

# **in vivo**

**International Journal of Experimental and  
Clinical Pathophysiology and Drug Research**

PRINT ISSN: 0258-851X – ONLINE ISSN: 1791-7549

**Volume 34  
2020**

**INDEX**

This volume is dedicated to the memory of  
ISABELLE LELONG-REBEL

## Editorial Board

- I. ABRAHAM**, *The HOPE Center, University of Arizona, Tucson, AZ, USA*
- N.J. AGNANTIS**, *Department of Pathology, University of Ioannina, Ioannina, Greece*
- D. ANDERSON**, *Department of Biomedical Sciences, University of Bradford, Bradford, West Yorkshire, UK*
- V. BARAK**, *Department of Oncology, Hadassah University Hospital, Jerusalem, Israel*
- M.H. BARCELLOS-HOFF**, *Department of Radiation Oncology, New York University School of Medicine, New York, NY, USA*
- K. BEIER**, *Department of Histology, University of Basel, Basel, Switzerland*
- M. BERGQVIST**, *Department of Oncology, Radiology and Clinical Immunology, University Hospital, Uppsala, Sweden*
- R. BJERKVIG**, *Norlux Neuro-Oncology, Department of Biomedicine, University of Bergen, Bergen, Norway*
- W. BOWNE**, *Department of Surgery, Drexel University College of Medicine, Philadelphia, PA, USA*
- M. CARAGLIA**, *Department of Experimental Oncology, National Institute of Tumours Fondazione G. Pascale, Naples, Italy*
- P. CHANDRA**, *Department of Molecular Biology, Frankfurt University, Frankfurt am Main, Germany*
- J.-G. CHUNG**, *Department of Medicine, China Medical College, Taichung, Taiwan, ROC*
- L.A. COHEN**, *Northampton, MA, USA*
- A.I. CONSTANTINOU**, *Department of Biological Sciences, University of Cyprus, Nicosia, Cyprus*
- T. DALIANIS**, *Department of Pathology-Oncology, Karolinska Institute, Stockholm, Sweden*
- D.T. DENHARDT**, *Division of Life Sciences, Rutgers University, Bridgewater, NJ, USA*
- W. DEN OTTER**, *VUMC - Department of Urology, Amsterdam, The Netherlands*
- K. DE MEIRLEIR**, *Department of Human Physiology and Medicine, Faculty of Physical Education and Physiotherapy, Vrije Universiteit Brussel, Brussels, Belgium*
- L. DE RIDDER**, *Department of Anatomy, Embryology and Histology, University of Ghent, Ghent, Belgium*
- E.P. DIAMANDIS**, *Department of Pathology and Laboratory Medicine, University of Toronto, Toronto, Ontario, Canada*
- J.M. DRAKE**, *Division of Medical Oncology, RBHS-Robert Wood Johnson Medical School, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ, USA*
- T. EFFERTH**, *Department of Pharmaceutical Biology, Institute of Pharmacy and Biochemistry, University of Mainz, Germany*
- W. ENGSTRÖM**, *Department of Molecular Biosciences, Swedish University of Agricultural Sciences, Uppsala, Sweden*
- M. ESKELINEN**, *Department of Surgery, University Hospital of Kuopio, Kuopio, Finland*
- J.A. FERNANDEZ-POL**, *Metalloproteomics, LLC, Chesterfield, MO, USA*
- G. FIORENTINI**, *UOC Oncologia, Azienda Ospedaliera Marche Nord, Pesaro, Italy*
- P.B. FISHER**, *Virginia Commonwealth University, School of Medicine, Richmond, VA, USA*
- I. FREITAS**, *Dipartimento di Biologia Animale, University of Pavia, Pavia, Italy*
- M. FRIEDRICH**, *Department of Obstetrics and Gynecology, Klinikum Krefeld, Krefeld, Germany*
- R.E. FRIEDRICH**, *Department of Oral and Maxillofacial Surgery, Eppendorf University Hospital, Hamburg, Germany*
- R. GANAPATHI**, *Levine Cancer Institute, Carolinas HealthCare System, Charlotte, NC, USA*
- G. GITSCHE**, *Department of Gynecology and Obstetrics, University of Freiburg Medical Center, Freiburg, Germany*
- V. GORGOULIS**, *Department of Histology-Embryology, Medical School, University of Athens, Greece*
- J.S. GREENBERGER**, *Department of Radiation Oncology, University of Pittsburgh, Pittsburgh, PA, USA*
- J.W. GREINER**, *National Cancer Institute, NIH, Bethesda, MD, USA*
- D.S. GRIDLEY**, *Department of Radiation Medicine, Radiation Research Laboratories, Loma Linda University and Medical Center, Loma Linda, CA, USA*
- C.J. GRUBBS**, *Department of Nutrition Sciences, University of Alabama, Birmingham, AL, USA*
- F. GUADAGNI**, *IRCCS San Raffaele, Rome, Italy*
- J. HAU**, *Department of Comparative Medicine, University of Copenhagen, Denmark*

- M. HAUER-JENSEN**, Arkansas Cancer Research Center, University of Arkansas Medical Sciences, Little Rock, AR, USA  
**K. HIBI**, Tokai Central Hospital, Kakamigahara, Gifu, Japan  
**S.A. IMAM**, Huntington Medical Research Institutes, Gene Therapy Program, Pasadena, CA, USA  
**K.S. JEONG**, Department of Pathology, College of Veterinary Medicine, Kyungpook National University, Daegu, S. Korea  
**M. JHANWAR-UNIYAL**, Department of Neurosurgery, New York Medical College, Valhalla, NY, USA  
**I. KISS**, Institute of Preventive Medicine, Medical School, University of Pécs, Pécs, Hungary  
**E. KONDO**, Division of Molecular and Cellular Pathology Niigata University Graduate School of Medical and Dental Sciences, Chuo-ku, Niigata, Japan  
**M. KOUTSILIERIS**, Department of Experimental Physiology, University of Athens Medical School, Athens, Greece  
**G.R.F. KRUEGER**, Department of Anatomy II, Center for Anatomy, The University of Cologne Medical School, Cologne, Germany  
**B. KRUSLIN**, Department of Pathology, Ljudevit Jurak University, Sestre milosrdnice University Hospital, Zagreb, Croatia  
**N. KYPRIANOU**, Department of Urology, University of Kentucky, Lexington, KY, USA  
**G. LANDBERG**, Department of Laboratory Medicine, Lund University, Lund, Sweden  
**I. LELONG-REBEL**, Lab. de Biophotonique et Pharmacologie, Université de Strasbourg, Illkirch, France  
**J. LEROY**, IRCAD, University of Strasbourg, France  
**W. LICHTENEGGER**, Charité Campus Virchow-Klinikum, Berlin, Germany  
**J. LYKKESFELDT**, Department of Veterinary Disease Biology, University of Copenhagen, Frederiksberg, Denmark  
**P. MADARNAS**, Department of Pathology, University of Sherbrooke, Québec, Canada  
**H. MAEDA**, BioDynamics Research Foundation, Kumamoto, Japan  
**M. MAREEL**, Laboratory of Experimental Cancerology, State University, Ghent, Belgium  
**L. MARGOLIS**, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Bethesda, MD, USA  
**G. MARTORANA**, Policlinico S. Orsola Malpighi, University of Bologna, Bologna, Italy  
**J. MOLNÁR**, Department of Medical Microbiology and Immunobiology, Faculty of Medicine, University of Szeged, Szeged, Hungary  
**S.L. MOOBERRY**, Cancer Therapy & Research Center, University of Texas Health Science Center at San Antonio, San Antonio, TX, USA  
**N. MOTOHASHI**, Department of Medicinal Chemistry, Meiji Pharmaceutical University, Tokyo, Japan  
**R.M. NAGLER**, Department of Oral and Maxillofacial Surgery, Rambam Medical Center, Haifa, Israel  
**S. NAKANO**, Graduate School of Health and Nutritional Sciences, Nakamura Gakuen University, Fukuoka, Japan  
**M. NAKASHIMA**, Department of Tumor and Diagnostic Pathology, Atomic Bomb Disease Institute, Nagasaki University, Nagasaki, Japan  
**R. NARAYANAN**, Department of Biological Sciences, Florida Atlantic University, Boca Raton, FL, USA  
**M.B. NICHOLL**, South Texas Veterans Health Care System, San Antonio, TX, USA  
**K. NILSSON**, Tumor Biology Laboratory, Department of Pathology, University Hospital, Uppsala, Sweden  
**K.R. NORUM**, Institute for Nutrition Research, University of Oslo, Oslo, Norway  
**K. OGAWA**, Department of Surgery, Tokyo Women's Medical University Medical Center East, Tokyo, Japan  
**M. PAGÉ**, Département de Biologie, Division de Biochimie, Université Laval, Québec, Canada  
**C. POLYCHRONAKOS**, Department of Paediatrics and Human Genetics, McGill University Health Centre Research Institute, Montreal, QC, Canada  
**M.-F. POUPON**, Institut Curie, Section de Recherche, Paris, France  
**D. RADES**, Department of Radiation Oncology, University of Lübeck, Lübeck, Germany  
**F.M. ROBERTSON**, Virginia Commonwealth University, Clinical Research Services, Center for Clinical and Translational Research, Richmond Academy of Medicine, Richmond, VA, USA  
**D. RUBELLO**, Department of Nuclear Medicine, PET Unit, S. Maria della Misericordia Hospital, IOV, Rovigo, Italy

- C.A. RUBIO, Karolinska Institute, Pathology Research Laboratory, Stockholm, Sweden  
G.R. RUTTEMAN, Department of Clinical Sciences of Companion Animals, University of Utrecht, Utrecht, The Netherlands  
H. SAKAGAMI, Department of Dental Pharmacology, Meikai University School of Dentistry, Saitama, Japan  
G. SAVA, Institutes of Biological Research, Fondazione Càllerio-Onlus, Trieste, Italy  
D. SCHIFFER, Neuro-bio-oncology Center, Policlinico di Monza Foundation, University of Turin, Vercelli, Italy  
L.D. SHULTZ, The Jackson Laboratory, Bar Harbor, ME, USA  
G. SICA, Istituto di Istologia ed Embriologia, Università Cattolica del Sacro Cuore, Roma, Italy  
J.M. SIEGFRIED, Department of Pharmacology, MNPI Center, University of Minnesota, Minneapolis, MN, USA  
J. SLANSKY, Integrated Department of Immunology, School of Medicine, University of Colorado Denver and National Jewish Health, Denver, CO, USA  
R.M. SNAPKA, Department of Radiology, The Ohio State University, Columbus, OH, USA  
G.-I. SOMA, Department of Integrated and Holistic Immunology, Faculty of Medicine, Kagawa University, Kagawa, Japan  
P.P. SORDILLO, Department of Medical Oncology and Hematology, Lenox Hill Hospital, New York, NY, USA  
T.A. SPRINGER, Department of Pathology, Harvard Medical School, Boston, MA, USA  
D.D. SPYROPOULOS, Department of Pathology and Laboratory Medicine, Medical University of South Carolina, Charleston, SC, USA  
K. SYRJÄNEN, Biohit Healthcare Oyj, Helsinki, Finland  
G.C. TORRE, Centro Ippocrate, Vico Cosmelli 4, Finale Ligure (SV), Italy  
B. TRIBUKAIT, Department of Medical Radiobiology, Karolinska Hospital, Stockholm, Sweden  
J. VADGAMA, Department of Internal Medicine, Charles E. Drew University of Medicine and Science, Los Angeles, CA, USA  
J.K. VISHWANATHA, Graduate School of Biomedical Sciences, University of North Texas Health Science Center, Fort Worth, TX, USA  
W. WANG, Research Institute of Healthcare Science, University of Wolverhampton, Wolverhampton, UK  
N. WATANABE, Department of Clinical Laboratory Medicine, Sapporo Medical University School of Medicine, Sapporo, Japan  
W. WEBER, Clinical Cancer Etiology Unit, Basel, Switzerland  
L.M. WEINER, Lombardi Comprehensive Cancer Center, Georgetown University Medical Center, Washington, DC, USA  
J.A. WERNER, Department of Otolaryngology, Head and Neck Surgery, Marburg, Germany  
S. YLÄ-HERTTUALA, Department of Molecular Medicine, A.I. Virtanen Institute, University of Kuopio, Finland  
H. YOSHIDA, Department of Pathology, Kagoshima University, Kagoshima, Japan

## Acknowledgements

The following Organisations supported many of the works published in IN VIVO, Volume 34, 2020.

Adaptable and Seamless Technology Transfer Program (A-Step), Ministry of Education, Culture, Sports, Science and Technology of Japan, Tokyo, Japan  
Akershus University Hospital, Nordbyhagen, Norway  
Asahi University, Mizuho, Japan  
Asan Institute for Life Sciences, Asan Medical Center, Seoul, Republic of Korea  
Asia University, Taichung, Taiwan, R.O.C.  
Asklepios Klinik Altona, Hamburg, Germany  
Association of Healthcare Corporation, Japan  
Athens Genesis Clinic, Athens, Greece  
Augustinus Foundation, Copenhagen, Denmark  
  
Baden-Württemberg Ministry of Science, Research and the Arts, Germany  
Basic Science Research Program, National Research Foundation of Korea (NRF), Ministry of Education, Science and Technology, Seoul, Republic of Korea  
Bio & Medical Technology Development Program, National Research Foundation of Korea (NRF), Ministry of Education, Science and Technology, Seoul, Republic of Korea  
Biobank of Korea University Guro Hospital, Seoul, Republic of Korea  
Bremer Cancer Society, Bremer, Germany  
  
Cancer Center, Chang Gung Memorial Hospital, Taipei, Taiwan, R.O.C.  
Cancer Society of Finland, Helsinki, Finland  
Cathay General Hospital, Taipei, Taiwan, R.O.C.  
Center for Drug Delivery Research, Tokyo University of Science, Tokyo, Japan  
Central Taiwan University of Science and Technology, Taichung, Taiwan, R.O.C.  
Chang Bing Show Chwan Memorial Hospital, Changhua, Taiwan, R.O.C.  
Chang Gung Memorial Hospital, Taipei, Taiwan, R.O.C.  
Changhua Christian Hospital, Changhua, Taiwan, R.O.C.  
Charles University Research Fund (PROGRES), Charles University in Prague, Prague, Czech Republic  
Cheng Hsin General Hospital, Taipei, Taiwan, R.O.C.  
China Medical University Hospital, Taichung, Taiwan, R.O.C.  
China Scholarship Council, Beijing, P.R. China  
Chonnam National University Hospital, Gwangju, Republic of Korea

Chosun University Hospital Clinical Medicine Research Institute, Gwangju, Republic of Korea  
Chosun University, Gwangju, Republic of Korea  
Chungnam National University Hospital Research Fund, National Research Foundation of Korea (NRF), Ministry of Education, Science and Technology, Seoul, Republic of Korea  
Chungnam National University, Daejeon, Republic of Korea  
Clinical Research Center, Dokkyo Medical University School of Medicine, Mibu, Japan  
Collaborative Genome Program for Fostering New Post-Genome Industry, National Research Foundation (NRF), Ministry of Education, Science and Technology, Seoul, Republic of Korea  
Comenius University, Bratislava, Slovak Republic  
Conceptual Development of Research Organization, Faculty Hospital in Pilsen - FNPI, Pilsen, Czech Republic  
Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), Brasilia, Brazil  
Cooperative Research Program for Agriculture Science and Technology Development, Rural Development Administration, Republic of Korea  
Cross Cancer Institute, University of Alberta, Edmonton, AB, Canada  
  
Dalin Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Chiayi, Taiwan, R.O.C.  
Dental Research Center, Nihon University School of Dentistry, Tokyo, Japan  
Department of General Surgical Science, Gunma University, Maebashi, Japan  
Department of Head and Neck Oncology, Cancer Institute Hospital, Japanese Foundation for Cancer Research, Japan  
Department of Histology and Embryology of Wroclaw Medical University, Wroclaw, Poland  
Department of Molecular Diagnostic Pathology, Dokkyo Medical University School of Medicine, Mibu, Japan  
Department of Oral and Maxillofacial Surgery, Ehime University Graduate School of Medicine, Matsuyama, Japan  
Department of Oral Molecular Pathology, Tokushima University Graduate School of Biomedical Sciences, Tokushima, Japan  
Department of Otorhinolaryngology, China Medical University Hospital, Taichung, Taiwan, R.O.C.  
Department of Otorhinolaryngology, Eppendorf University Hospital, Hamburg, Germany

- Department of Pathology, Faculty of Medicine,  
Prince of Songkla University (PSU), Hat Yai, Thailand
- Department of Pathology, Hanyang University Hospital,  
Seoul, Republic of Korea
- Department of Pathology, Wroclaw University of  
Environmental and Life Sciences, Wroclaw, Poland
- Department of the Human Anatomy Centre, University of  
Rome La Sapienza, Rome, Italy
- Department of Urology, Cancer Institute Hospital, Japanese  
Foundation for Cancer Research, Japan
- Department of Urology, Saiseikai Kurihashi Hospital, Kuki, Japan
- Department of Urology, Tokyo Women's Medical University,  
Tokyo, Japan
- Deutsche Forschungsgemeinschaft (DFG), Bonn, Germany
- Division of Clinical Laboratory and Clinical Application,  
Nanpu Hospital, Kagoshima, Japan
- Elena Venizelou Hospital, Athens, Greece
- ELPEN Pharma, Pikermi, Greece
- Eulji University, Daejeon, Republic of Korea
- EURAXESS, European Commission, Europe
- European Regional Development Fund (ERDF), Brussels,  
Belgium
- European Research Council
- European Social Fund (ESF), European Commission,  
Brussels, Belgium
- European Union
- Evangelismos Hospital, Athens, Greece
- Ewha Womans University Research Grant, Seoul,  
Republic of Korea
- Experimental, Educational and Research Center, ELPEN,  
Pikermi, Greece
- Faculty of Science of Tunisia, Tunisia
- Faxitron Bioptrics, LLC, Tucson, AZ, U.S.A.
- Featured Areas Research Center Program, Higher Education  
Sprout Project, Ministry of Education (MOE), Taiwan, R.O.C.
- Friedrich-Alexander University of Erlangen-Nürnberg,  
Erlangen, Germany
- Frontier Research Center, Taiwan, R.O.C.
- Fuji Micra Inc., Fujinomiya, Japan
- Fukuoka Wajiro Hospital, Fukuoka, Japan
- Fundaçao para a Ciéncia e a Tecnologia (FCT),  
Ministério da Ciéncia e Ensino Superior, Portugal
- Fundo Europeu de Desenvolvimento Regional (FEDER),  
Lisbon, Portugal
- Gachon University Gil Medical Center, Incheon, Republic of  
Korea
- General University Hospital in Prague, Prague, Czech  
Republic
- German Cancer Society, Germany
- Granada University, Granada, Spain
- Grant-in Aid from the Japanese Ministry of Education,  
Science, Sports and Culture of Japan, Tokyo, Japan
- Grants-in-Aid for Scientific Research (KAKENHI), Japan  
Society for the Promotion of Science, Tokyo, Japan
- Hallym University Research Fund, Chuncheon, Republic of  
Korea
- Head and Neck department of Surgery, Metaxa Anti-Cancer  
Hospital, Piraeus, Greece
- Health Labor Sciences Research Grant, Ministry of Health,  
Labor and Welfare of Japan, Japan
- Health Research Fund of Central Denmark Region, Denmark
- Higher Education Sprout Project, Ministry of Education,  
Taipei, Taiwan, R.O.C.
- Hillman Animal Research Core Facility, University of  
Pittsburgh Cancer Institute (UPCI), Pittsburgh, PA, U.S.A.
- Hiroshima Prefecture Government, Japan
- Hitachi, Ltd, Tokyo, Japan
- Hospital Ceske Budejovice, Ceske Budejovice, Czech  
Republic
- Hospital Chomutov, Chomutov, Czech Republic
- Hospital Jihlava, Jihlava, Czech Republic
- Hospital Na Bulovce, Prague, Czech Republic
- Hospital Na Homolce, Prague, Czech Republic
- Hospital Novy Jicin, Novy Jicin, Czech Republic
- Hospital Pardubice, Prague, Czech Republic
- Hyogo College of Medicine, Nishinomiya, Japan
- Hyogo Innovative Challenge, Hyogo College of Medicine,  
Nishinomiya, Japan
- Institut de la Santé et la Recherche Médicale (INSERM),  
Paris, France
- Institute for Medical Biometry and Epidemiology, University  
Hospital Hamburg-Eppendorf, Hamburg, Germany
- Institute of Cancer Research, London, U.K.
- Institute of Polish Mother's Memorial Hospital, Lodz, Poland
- Institute of Polish Mother's Health Center, Lodz, Poland
- Institute Salah Azaïz, Tunis, Tunisia
- Interreg Deutschland-Danmark, Kiel, Germany
- Italian Ministry of Health, Rome, Italy
- Iuliu Hatieganu University of Medicine and Pharmacy Cluj-  
Napoca, Cluj-Napoca, Romania
- János Bolyai Research Scholarship, Hungarian Academy of  
Sciences, Hungary

Japan Agency for Medical Research and Development (AMED), Tokyo, Japan	Ministry of Science and ICT (MSIT), Gwacheon, Republic of Korea
Japanese Center for AntiAging MedSciences, Japan	Ministry of Science and Technology (MOST), Taipei, Taiwan, R.O.C.
Japanese Ministry of Health, Japan	Ministry of Science, ICT and Future Planning (MSIP), Gwacheon, Republic of Korea
Japanese Society of Internal Medicine, Japan	Miyata Grant for Scientific Research, Japan
Japanese Society of Surgery, Japan	Miyata Research Fund, Japan
Joint Committee of University Cooperation PHC Utique, France/Tunisia	Multiscan Pardubice, Prague, Czech Republic
J-Pharma Co., Ltd., Yokohama, Japan	
Kawaguchi Institute of Periodontology and Implantology, Kawaguchi, Japan	National Biobank of Korea, Republic of Korea
Kawasaki Medical School, Kurashiki, Japan	National Cancer Institute of Naples, Italy
Knud and Edith Eriksens Memorial Foundation, Denmark	National Health Research Institutes, Taipei, Taiwan R.O.C.
Korea Research Institute of Bioscience and Biotechnology (KRIBB), Daejeon, Republic of Korea	National Institute for Health Research (NIHR), London, U.K.
Kyorin University Hospital, Tokyo, Japan	National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), Department of Health and Human Services, Bethesda, MD, U.S.A.
Kyushu Dental University, Fukuoka, Japan	National Institutes of Health (NIH), Department of Health and Human Services, Bethesda, MD, U.S.A.
Laboratory for Endocrinology, Metabolism and Kidney Diseases, RIKEN Center for Integrative Medical Sciences, Yokohama, Japan	National League Against Cancer, France
Laboratory of Molecular Medicine, Human Genome Center, Institute of Medical Science, University of Tokyo, Tokyo, Japan	National Research Council of Thailand (NRCT), Thailand
Lippmann Foundation, Denmark	National Research Foundation of Korea (NRF), Republic of Korea
Lithuanian Science Council, Lithuania	National Strategic Reference Framework (NSRF), European Commission, Brussels, Belgium
Masaryk Hospital, Usti nad Labem, Czech Republic	National University of Malaysia (UKM), Bangi, Malaysia
Masaryk Memorial Cancer Institute, Brno, Czech Republic	New National Excellence Program, Ministry of Human Capacities of Hungary, Hungary
Medical department, Royal Thai Army, Bangkok, Thailand	Nihon Institute of Medical Science, Moroyama, Japan
Medical Research Core Facilities Center, Office of Research & Development, China Medical University, Taichung, Taiwan, R.O.C.	Nihon University Multidisciplinary Research Grant, Tokyo, Japan
Meikai University Research Fund, Urayasu, Japan	Office of Higher Education Commission (OHEC), Thailand
Meikai University School of Dentistry, Urayasu, Japan	One Research One Grant (OROG) Scholarship, Thailand
Ministry of Education, Science and Culture of Mecklenburg-West Pomerania, Germany	Oral Neuroscience and Molecular Biology, Dental Pulp and Bone Cell Research Unit, Prince of Songkla University, Songkhla, Thailand
Damp Foundation, Germany	Oslo University Hospital, Oslo, Norway
Ministry of Education, Science, Research and Sport of Slovakia, Bratislava, Slovakia	Päivikki and Sakari Sohlberg Foundation, Finland
Ministry of Health and Welfare, Executive Yuan, Taipei, Taiwan, R.O.C.	Paoli-Calmettes Institute, Marseille, France
Ministry of Health of the Czech Republic, Prague, Czech Republic	Phramongkutklao College of Medicine, Bangkok, Thailand
Ministry of Higher Education for Scientific Research of Tunisia, Tunis, Tunisia	Phramongkutklao Hospital, Bangkok, Thailand
Ministry of National Defense-Medical Affairs Bureau, Taiwan, R.O.C.	Polish Ministry of Science & Higher Education, Poland
Ministry of National Education, Romania	PPP Grant, University of Malaya, Kuala Lumpur, Malaysia
	Programa Operacional Competitividade e Internacionalização (POCI), COMPETE2020, Lisboa, Portugal
	Project for Cancer Research and Therapeutic Evolution (P-CREATE), Japan Agency for Medical Research and Development (AMED), Tokyo, Japan

- Project for Cooperative Research Program for Agriculture Science and Technology, Republic of Korea
- Radiation Biology Core Laboratory and Particle Physics and Irradiation Core Laboratory, Institute for Radiological Research, Chang Gung Memorial Hospital, Chang Gung University, Taoyuan, Taiwan, R.O.C.
- RaySearch Japan K.K., Tokyo, Japan
- Regional Hospital Liberec, Liberec, Czech Republic
- Research Center for Radiation Oncology, Shonan Kamakura General Hospital Affiliated Clinical Research Center, Japan
- Research Center of the Faculty of Dentistry, Prince of Songkla University, Songkhla, Thailand
- Research Council of Lithuania, Lithuania
- Research Fund from the Chosun University, Gwangju, Republic of Korea
- Research Project of Heilongjiang Bayi Agricultural University, Daqing, P.R. China
- Royal Marsden NHS Foundation Trust, London, U.K.
- Ruprecht-Karls-Universität Heidelberg, Heidelberg, Germany
- Rural Development Administration, Republic of Korea
- Saiseikai Yokohamashi Nanbu Hospital, Yokohama, Japan
- Saitama Medical University International Medical Center, Saitama, Japan
- Samsung Medical Center, Seoul, Republic of Korea
- School of Medicine, National and Kapodistrian University of Athens, Athens, Greece
- Scientific Research Foundation of Heilongjiang Provincial Education Department of China, Heilongjiang Province, P.R. China
- Scientific Research Projects Coordination Unit of Istanbul, Turkey
- SENSHIN Medical Research Foundation, Japan
- Seoul National University Bundang Hospital Research Fund, Seongnam, Republic of Korea
- Shin Kong Wu Ho-Su Memorial Hospital, Taipei, Taiwan, R.O.C.
- Shizuoka Cancer Center, Shizuoka, Japan
- Show Chwan Memorial Hospital, Changhua, Taiwan, R.O.C.
- Showa University Grant-in-Aid for Innovative Collaborative Research Projects, Shinagawa City, Tokyo
- Sites de Recherche Intégrée sur le Cancer (SIRIC), Institut National du Cancer, France
- Slovak Research and Development Agency, Bratislava, Slovakia
- SNBL, Ltd., Japan
- Social Health Corporation Foundation Pond Friends Association, Fukuoka Wajiro Hospital, Fukuoka, Japan
- SofSera Corporation, Tokyo, Japan
- Søster and Verner Lipperts Foundation, Denmark
- Special Research Grant-in-Aid for Development of Characteristic Education, Japanese Ministry of Education, Culture, Sports, Science, and Technology, Japan
- St. Anne's University Hospital, Brno, Czech Republic
- Städtisches Klinikum, Dessau, Germany
- State Budget of the Czech Republic
- State of Hungary
- State Scholarships Foundation (IKY), Athens, Greece
- Stavros Niarchos Foundation (SNF), Athens, Greece
- Suranaree University of Technology (SUT), Nakhon Ratchasima, Thailand
- Suzukiken Memorial Foundation, Japan
- Sysmex Corporation, Kobe, Japan
- Taichung Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Taichung, Taiwan, R.O.C.
- Taichung Veterans General Hospital, Taichung, Taiwan, R.O.C.
- Taipei Medical University, Taipei, Taiwan, R.O.C.
- Taipei Veterans General Hospital, Yuan-Shan/Su-Ao Branch, Yilan, Taiwan, R.O.C.
- Taiwan Ministry of Health and Welfare (MOHW), Taipei, Taiwan, R.O.C.
- Taiwan Ministry of Science and Technology (MOST), Taipei, Taiwan, R.O.C.
- Társadalmi Megújulás Operatív Program (TÁMOP), Hungary
- Terry Fox Cancer Research Lab, Taipei, Taiwan, R.O.C.
- Thermo Fisher Scientific, Vilnius, Lithuania
- Thomayer Hospital, Prague, Czech Republic
- Tissue Bank, China Medical University, Taichung, Taiwan, R.O.C.
- Tokyo Medical University, Tokyo, Japan
- Tokyo Shinagawa Hospital, Minato, Japan
- Tomas Bata Regional Hospital, Zlin, Czech Republic
- Translational R&D Project, Institute for Bio-Medical Convergence, Incheon St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Incheon, Republic of Korea
- TULUNG Registry, Czech Republic
- Tumour and Angiogenesis Research Group, Athens, Greece
- Uemura Fund, Dental Research Center, Nihon University School of Dentistry, Chiyoda, Japan
- Unitatea Executiva Pentru Finantarea Invatamantului Superior a Cercetarii Dezvoltarii si Inovarii (UEFISCDI), Romania
- University Hospital Brno, Brno, Czech Republic

University Hospital Hradec Králove, Hradec Králove, Czech Republic  
University Hospital in Motol, Prague, Czech Republic  
University Hospital in Pilsen, Pilsen, Czech Republic  
University Hospital Kralovske Vinohrady, Prague, Czech Republic  
University Hospital Olomouc, Olomouc, Czech Republic  
University Hospital Ostrava, Ostrava, Czech Republic  
University Medical Center Groningen, Groningen, the Netherlands  
University of Alabama, Tuscaloosa, AL, U.S.A.  
University of Bremen, Bremen, Germany  
University of Tunis El Manar, Tunis, Tunisia

Veterans Administration Merit Review Grant, U.S.A.  
VGHKS Grant, Kaohsiung Veterans General Hospital, Kaohsiung, Taiwan, R.O.C.  
Victor Babes University of Medicine and Pharmacy, Timișoara, Romania  
  
Wilhelm Sander-Stiftung, Munich, Germany  
  
Yamaga City Medical Center, Yamaga, Japan  
Yamaguchi University, Yamaguchi, Japan  
Yokohama Surgical Research Group, Yokohama, Japan  
Yoshiki Dermatology Clinic Ginza, Tokyo, Japan

## Contents, Volume 34, 2020

### Number 1, January-February

#### Reviews

- Reasons to Reconsider Risk Associated With Power Morcellation of Uterine Fibroids. C. HOLZMANN, W. KUEPKER, B. ROMMEL, B. HELMKE, J. BULLERDIEK (*Rostock; Baden Baden-Buehl; Bremen; Stade, Germany*) ..... 1

- Three-dimensional Versus Two-dimensional Laparoscopic Surgery for Colorectal Cancer: Systematic Review and Meta-analysis. G. PANTALOS, D. PATSOURAS, E. SPARTALIS, D. DIMITROULIS, G. TSOUROUFLIS, N. NIKITEAS (*Athens, Greece*) ..... 11

- Intraoperative Indocyanine Green (ICG) Angiography for the Identification of the Parathyroid Glands: Current Evidence and Future Perspectives. E. SPARTALIS, G. NTOKOS, K. GEORGIOU, G. ZOGRAFOS, G. TSOUROUFLIS, D. DIMITROULIS, N.I. NIKITEAS (*Athens, Greece*) ..... 23

#### Experimental Studies

- Fanconi Anemia Mouse Genotype-specific Mitigation of Total Body Irradiation by GS-Nitroxide JP4-039. M.W. EPPERLY, R. FISHER, X. ZHANG, W. HOU, D. SHIELDS, P. WIPF, H. WANG, S. THERMOZIER, J.S. GREENBERGER (*Pittsburgh, PA, USA*) ..... 33

- Second-generation Probiotics Producing IL-22 Increase Survival of Mice After Total Body Irradiation. X. ZHANG, R. FISHER, W. HOU, D. SHIELDS, M.W. EPPERLY, H. WANG, L. WEI, B.J. LEIBOWITZ, J. YU, L.M. ALEXANDER, J.-P. VAN PIJKEREN, S. WATKINS, P. WIPF, J.S. GREENBERGER (*Pittsburgh, PA; Madison, WI, USA*) ..... 39

- The Association of MMP7 Genotype With Pterygium. P.-S. HU, Y.-C. WANG, C.-H. LIAO, N.-Y. HSIA, M.-F. WU, J.-S. YANG, C.-C. YU, W.-S. CHANG, D.-T. BAU, C.-W. TSAI (*Taichung; Changhua; Taipei, Taiwan, ROC*) ..... 51

- Hypermethylation of Corticotropin Releasing Hormone Receptor-2 Gene in Ulcerative Colitis Associated Colorectal Cancer. M. KOBAYASHI, N. MATSUBARA, Y. NAKACHI, Y. OKAZAKI, M. UCHINO, H. IKEUCHI, J. SONG, K. KIMURA, M. YASUHARA, A. BABAYA, T. YAMANO, M. IKEDA, H. NISHIKAWA, I. MATSUDA, S. HIROTA, N. TOMITA (*Nishinomiya; Hidaka, Japan*) ..... 57

- The Role of Efflux Pumps and Environmental pH in Bacterial Multidrug Resistance. M. NOVÉ, A. KINCSES, J. MOLNÁR, L. AMARAL, G. SPENGLER (*Szeged, Hungary; Lisbon, Portugal*) ..... 65

- Efficiency of Gastrointestinal Cancer Detection by Nematode-NOSE (N-NOSE). H. KUSUMOTO, K. TASHIRO, S. SHIMAOKA, K. TSUKASA, Y. BABA, S. FURUKAWA, J. FURUKAWA, T. NIIHARA, T. HIROTSU, T. UOZUMI (*Kagoshima; Tokyo; Fukuoka, Japan; Brisbane, Australia*) ..... 73

- Radical-scavenging and Pro-/anti-inflammatory Activity of Tetracycline and Related Phenolic Compounds With or Without Visible Light Irradiation. Y. MURAKAMI, A. KAWATA, S. SUZUKI, S. FUJISAWA (*Sakado, Japan*) ..... 81

---

Repeated Live Imaging in the Temporomandibular Joint of an Anterior Crossbite Mouse Model Using a 7T Magnetic Resonance Device. K. ITO, F. YAMAZAKI, S. NOGAMI, K. TAKAHASHI, T. KONDOH, A. GOSS ( <i>Matsudo; Mibu; Sendai, Japan; Adelaide, Australia</i> ) .....	95
Low Expression of Single-stranded DNA Binding Protein 2 (SSBP2) Predicts Unfavourable Postoperative Outcomes in Patients With Clear Cell Renal Cell Carcinoma. H. KIM, Y. KIM, S. BANG, S. PARK, S. JEE, J. SIM, S.-J. SHIN, S.S. PAIK, K. JANG ( <i>Seoul, Republic of Korea</i> ) .....	101
Clinical Significance of Ubiquitin-associated Protein 2-like in Patients With Uterine Cervical Cancer. K. YOSHIDA, H. KAJIYAMA, E. INAMI, S. TAMAUCHI, Y. IKEDA, N. YOSHIKAWA, K. NISHINO, F. UTSUMI, K. NIIMI, S. SUZUKI, K. SHIBATA, A. NAWA, F. KIKKAWA ( <i>Nagoya, Japan</i> ) .....	109
Detection of Serum miRNAs Affecting Liver Apoptosis in a Periodontitis Rat Model. Y. SUGIURA, T. YONEDA, K. FUJIMORI, T. MARUYAMA, H. MIYAI, T. KOBAYASHI, D. EKUNI, T. TOMOFUJI, M. MORITA ( <i>Okayama; Gifu, Japan</i> ) .....	117
Loss of MTUS1 Expression Is Associated With Poor Prognosis in Patients With Gallbladder Carcinoma. J. SIM, Y. KIM, H. KIM, S. BANG, S. JEE, S. PARK, S.-J. SHIN, K. JANG ( <i>Seoul, Republic of Korea</i> ) .....	125
Deletion of Peroxiredoxin II Inhibits the Growth of Mouse Primary Mesenchymal Stem Cells Through Induction of the G <sub>0</sub> /G <sub>1</sub> Cell-cycle Arrest and Activation of AKT/GSK3β/Catenin Signaling. Y.-H. HAN, M.-H. JIN, Y.-H. JIN, N.-N. YU, J. LIU, Y.-Q. ZHANG, Y.-D. CUI, A.-G. WANG, D.-S. LEE, S.-U. KIM, J.-S. KIM, T. KWON, H.-N. SUN ( <i>Heilongjiang; Dalian, PR China; Daegu; Cheongju-si; Jeonbuk, Republic of Korea</i> ) .....	133
Non-thermal Plasma-activated Medium Induces Apoptosis of Aspc1 Cells Through the ROS-dependent Autophagy Pathway. X. ZHEN, H.-N. SUN, R. LIU, H.S. CHOI, D.-S. LEE ( <i>Jeju, Republic of Korea; Daqing, PR China</i> ) .....	143
Presepsin Levels in Experimental Sepsis and Massive Bowel Resection Models in Rats. O. UNAY-DEMIREL, S. IGNAK, T. ORUG, M. YUKSEL ( <i>Istanbul, Turkey</i> ) .....	155
Serum Level of microRNA-375-3p Is Not a Reliable Biomarker of Teratoma. G. BELGE, F. GROBELNY, C. MATTHIES, A. RADTKE, K.-P. DIECKMANN ( <i>Bremen; Hamburg, Germany</i> ) .....	163
DNA Methylation in Human Breast Cancer Cell Lines Adapted to High Nitric Oxide. B. DEMIRCAN, B. YUCEL, J.A. RADOSEVICH ( <i>Istanbul, Turkey; Chicago, IL, USA</i> ) .....	169
Overexpression of Annexin A1 Is an Independent Predictor of Longer Overall Survival in Epithelial Ovarian Cancer. M. MANAI, R. DOGHRI, P. FINETTI, K. MRAD, R. BOUABSA, M. MANAI, D. BIRNBAUM, F. BERTUCCI, L. CHARFI, M. DRISS ( <i>Tunis, Tunisia; Marseille, France</i> ) .....	177
Sodium Selenite Enhanced the Anti-proliferative Effect of MEK-ERK Inhibitor in Thyroid Cancer Cells. J.B. KIM, E.Y. YANG, J. WOO, H. KWON, W. LIM, B.-I. MOON ( <i>Seoul, Republic of Korea</i> ) .....	185
Differential Expression of Vascular Endothelial Growth Factor in the Cortex and Hippocampus upon Cerebral Hypoperfusion. Y.H. JUN, G.S. JU, Y.Y. CHUNG, H.-K. SHIN, D.-J. KIM, M.S. CHOI, S.T. KIM, K.M. SON ( <i>Gwang-ju, Republic of Korea</i> ) .....	191
Transcriptomic Profiling of 3D Glioblastoma Tumoroids for the Identification of Mechanisms Involved in Anticancer Drug Resistance. N. CHAICHAROENAUDOMRUNG, P. KUNHORM, W. PROMJANTUEK, N. RUJANAPUN, N. HEEBKAEW, N. SORAKSA, P. NOISA ( <i>Nakhon Ratchasima, Thailand</i> ) .....	199

---

Expression of Podoplanin in Mammary Cancers in Female Dogs. P. BORECKA, R. CIAPUTA, I. JANUS, A. PIOTROWSKA, K. RATAJCZAK-WIELGOMAS, A. KMIECIK, M. PODHORSKA-OKOLEW, P. DZIĘGIEL, M. NOWAK ( <i>Wroclaw, Poland</i> ) .....	213
Testosterone Reduces Tight Junction Complexity and Downregulates Expression of Claudin-4 and Occludin in the Endometrium in Ovariectomized, Sex-steroid Replacement Rats. M.H. MOKHTAR, N. GIRIBABU, N. SALLEH ( <i>Kuala Lumpur, Malaysia</i> ) .....	225
<b>Clinical Studies</b>	
Wireless Breast Localization Using Radio-frequency Identification Tags: The First Reported European Experience in Breast Cancer. U. WAZIR, S. TAYEH, N. PERRY, M. MICHELL, A. MALHOTRA, K. MOKBEL ( <i>London, UK; Peshawar, Pakistan</i> ) .....	233
Low-grade Fibromyxoid Sarcoma: Treatment Outcomes and Efficacy of Chemotherapy. F. CHAMBERLAIN, B. ENGELMANN, O. AL-MUDERIS, C. MESSIOU, K. THWAY, A. MIAH, S. ZAIDI, A. CONSTANTINIDOU, C. BENSON, S. GENNATAS, R.L. JONES ( <i>London, UK; Strovolos, Cyprus</i> ) .....	239
Adverse Events of Concurrent Radiotherapy and ALK Inhibitors for Brain Metastases of ALK-Rearranged Lung Adenocarcinoma. T. NAKASHIMA, T. NONOSHITA, H. HIRATA, K. INOUE, A. NAGASHIMA, T. YOSHITAKE, K. ASAII, Y. SHIOYAMA ( <i>Fukuoka; Kitakyushu, Japan</i> ) .....	247
Laryngeal Diffuse Large B-Cell Lymphoma Presenting as Laryngeal Stenosis. Y. TANG, P. LI, D. CUA, J. LAI ( <i>Gainesville, FL; Salt Lake City, UT; Sacramento, CA, USA; Changsha, PR China</i> ) .....	255
Clinical Features of Head and Neck Solitary Extramedullary Plasmacytoma in Taiwan. C.-Y. LAI, H.-H. HSIEH, H.-K. CHEN, C.-Y. CHAO, C.-H. HUA, C.-J. TAI, D.-T. BAU, M.-H. TSAI, L.-C. SHIH ( <i>Taichung, Taiwan, ROC</i> ) .....	261
Matrix Metalloproteinases (MMP-2,-3,-9) Gene Polymorphisms in Cases of Benign Vocal Fold Lesions and Laryngeal Carcinoma. V. LIUTKEVICIUS, V. LESAUSKAITE, R. LIUTKEVICIENE, P. VAICIULIS, V. ULOZA ( <i>Kaunas, Lithuania</i> ) .....	267
Hepatic Arterial Infusion Chemotherapy for Metastatic Breast Cancer Patients With Resistance to Standard Systemic Chemotherapies. M. FURUTA, J. WATANABE, T. ARAMAKI, A. NOTSU, H. YASUI ( <i>Shizuoka, Japan</i> ) .....	275
Prognostic Significance of Neoadjuvant Rectal Score and Indication for Postoperative Adjuvant Therapy in Rectal Cancer Patients After Neoadjuvant Chemoradiotherapy. K. MAEDA, M. SHIBUTANI, A. TACHIMORI, T. NISHII, N. AOMATSU, T. FUKUOKA, H. NAGAHARA, H. OTANI, T. INOUE, M. OHIRA ( <i>Osaka, Japan</i> ) .....	283
Clostridial Infection After Open Fractures of the Lower Extremity – Report of Two Cases and Discussion of Pathomechanism and Treatment. M. TREMP, C.M. ORANGES, M. MAJEWSKI, D.J. SCHAEFER, D.F. KALBERMATTEN, C. BLOCH-INFANGER, P.E. OCHSNER ( <i>Basel, Switzerland</i> ) .....	291
Combination of C-reactive Protein and Monocyte Count Is a Useful Prognostic Indicator for Patients With Colorectal Cancer. M. YAMAMOTO, H. SAITO, K. HARA, K. SUGEZAWA, C. UEJIMA, A. TANIO, Y. TADA, K. KIHARA, T. SAKAMOTO, S. HONJO, Y. FUJIWARA ( <i>Yonago, Japan</i> ) .....	299
Outcome of Radiation Therapy for Locally Advanced Vulvar Carcinoma: Analysis of Inguinal Lymph Node. Y. MUKAI, I. KOIKE, T. MATSUNAGA, N.R. YOKOTA, H. KAIZU, S. TAKANO, M. SUGIURA, E. ITO, E. MIYAGI, M. HATA ( <i>Yokohama, Japan</i> ) .....	307

---

Osimertinib in Pulmonary Manifestations: Two Case Reports and Review of the Literature. H. LU, J. DOWELL ( <i>Dallas, TX, USA</i> ) .....	315
A Clinicopathological Analysis of S100A14 Expression in Colorectal Cancer. A. DIAMANTOPOULOU, D. MANTAS, I.D. KOSTAKIS, G. AGROGIANNIS, Z. GAROUFALIA, N. KAVANTZAS, G. KOURAKLIS ( <i>Athens, Greece</i> ) .....	321
Oesophageal Cancer: Conformal Radiotherapy vs. Hybrid-VMAT Technique With Two Different Treatment Planning Systems. M. MIYAZAKI, S. OHIRA, Y. UEDA, M. ISONO, M. FUJIWARA, M. TANOOKA, W. OKADA, R. NAKAHARA, M. SUEOKA, H. SUZUKI, T. TESHIMA, K. YAMAKADO ( <i>Hyogo; Osaka; Suita, Japan</i> ) .....	331
Advanced Age Is a Risk Factor for Recurrence After Resection in Stage II Colorectal Cancer. K. MIMA, J. KURASHIGE, N. MIYANARI, A. MORITO, S. YUMOTO, T. MATSUMOTO, K. KOSUMI, M. INOUE, T. MIZUMOTO, T. KUBOTA, H. BABA ( <i>Kumamoto, Japan</i> ) .....	339
Clinical Implication of Pre-operative C-reactive Protein-Albumin Ratio as a Prognostic Factor of Patients With Pancreatic Ductal Adenocarcinoma: A Single-institutional Retrospective Study. M. MURAKAWA, N. YAMAMOTO, Y. KAMIOKA, M. KAMIYA, S. KOBAYASHI, M. UENO, M. MORIMOTO, Y. ATSUMI, T. AOYAMA, H. TAMAGAWA, N. YUKAWA, Y. RINO, M. MASUDA, S. MORINAGA ( <i>Yokohama, Japan</i> ) .....	347
The Role of Sentinel Lymph Node Biopsy in Patients With B5c Breast Cancer Diagnosis. P. FREGATTI, M. GIPPONI, R. DIAZ, R. DE ROSA, F. MURELLI, F. DEPAOLI, F. PITTO, I. BALDELLI, G. ZOPPOLI, M. CEPPI, D. FRIEDMAN ( <i>Genoa, Italy</i> ) .....	355
Genome-wide DNA Methylation Profiling of Blood from Monozygotic Twins Discordant for Myocardial Infarction. A. KOSELER, F. MA, I.D. KILIC, M. MORSELLI, O. KILIC, M. PELLEGRINI ( <i>Denizli, Turkey; Los Angeles, CA, USA</i> ) .....	361
Non-small Cell Lung Cancer as a Chronic Disease – A Prospective Study from the Czech TULUNG Registry. M. BRATOVA, B. KARLINOVA, J. SKRICKOVA, M. PESEK, V. KOLEK, L. KOUBKOVA, M. HRNCIARIK, J. KREJCI, M. BARINOVA, L. HAVEL, I. GRYGARKOVA, K. BRAT ( <i>Brno; Pilsen; Olomouc; Prague; Prostejov, Czech Republic</i> ) .....	369
AVATAR: Analysis for Visual Acuity Prediction After Eye Interventional Radiotherapy. M.M. PAGLIARA, L. TAGLIAFERRI, J. LENKOWICZ, L. AZARIO, D. GIATTINI, B. FIONDA, M.G. SAMMARCO, V. LANCELLOTTA, M.A. GAMBACORTA, M.A. BLASI ( <i>Rome; Chieti, Italy</i> ) .....	381
Combined Atezolizumab and Chemotherapy for a Patient With Double Primary Cancers. S. OKAUCHI, Y. SASATANI, G. OHARA, K. KAGOHASHI, H. SATOH ( <i>Mito, Japan</i> ) .....	389
Multiparametric MRI Versus SelectMDx Accuracy in the Diagnosis of Clinically Significant PCa in Men Enrolled in Active Surveillance. P. PEPE, G. DIBENEDETTO, L. PEPE, M. PENNISI ( <i>Catania, Italy</i> ) .....	393
Extended Pelvic Resections as Part of Secondary Cytoreduction for Relapsed Ovarian Adenocarcinoma. N. BACALBASA, I. BALESCU, S. DIMA, M. VILCU, I. BREZEAN ( <i>Bucharest, Romania</i> ) .....	397
Pancreatoduodenectomy After Neoadjuvant Chemotherapy for Locally Advanced Pancreatic Cancer in the Presence of an Aberrant Right Hepatic Artery. N. BACALBASA, I. BALESCU, M. VILCU, A. CROITORU, S. DIMA, V. BRASOVEANU, I. BREZEAN, I. POPESCU ( <i>Bucharest, Romania</i> ) .....	401

---

Upper Abdominal Resections as Part of Tertiary Cytoreduction for Relapsed Ovarian Cancer. N. BACALBASA, I. BADESCU, M. VILCU, S. DIMA, I. BREZEAN ( <i>Bucharest, Romania</i> ) .....	407
Reducing Radiation Dermatitis Using a Film-forming Silicone Gel During Breast Radiotherapy: A Pilot Randomized-controlled Trial. S. AHN, K. SUNG, H.J. KIM, Y.E. CHOI, Y.K. LEE, J.S. KIM, S.K. LEE, J.-Y. ROH ( <i>Incheon, Republic of Korea</i> ).....	413
Total Dietary Fats, Fatty Acids, and Omega-3/Omega-6 Ratio as Risk Factors of Breast Cancer in the Polish Population – a Case-Control Study. D. DYDLOW-BENDEK, P. ZAGOŁDŻON ( <i>Gdansk, Poland</i> ).....	423
Lesion Revascularisation Subsequent to Femoropopliteal Spot Stenting Using the Multi-LOC Stent Delivery System. M. SIGL, K. AMENDT, M. WALISZEWSKI, N. RATHMANN ( <i>Mannheim; Berlin, Germany</i> ).....	433
Eruptive Melanocytic Nevi Secondary to Encorafenib for BRAF Mutant Metastatic Colorectal Cancer. A. MENEGUZZO, A. LAZZAROTTO, M. ALAIBAC ( <i>Padua, Italy</i> ).....	441
Risk Factors for Postoperative Complications After Vulvar Surgery. N. BACALBASA, I. BADESCU, M. VILCU, S. DIMA, I. BREZEAN ( <i>Bucharest, Romania</i> ).....	447
E-Cadherin and Syndecan-1 Expression in Patients With Advanced Non-small Cell Lung Cancer Treated With Chemoradiotherapy. P. GKOGKOU, E. PEAPONI, D. NTASKAGIANNIS, S. MURRAY, A. DEMOU, I. SAINIS, E. IOAKEIM, E. BRIASOULIS, P. TSEKERIS ( <i>Norwich, UK; Ioannina; Athens, Greece</i> ) .....	453
Impact of the ESM-1 Gene Expression on Outcomes in Stage II/III Gastric Cancer Patients Who Received Adjuvant S-1 Chemotherapy. K. KANO, K. SAKAMAKI, N. OUE, Y. KIMURA, I. HASHIMOTO, K. HARA, Y. MAEZAWA, T. AOYAMA, H. FUJIKAWA, Y. HIROSHIMA, T. YAMADA, H. TAMAGAWA, N. YAMAMOTO, T. OGATA, H. CHO, H. ITO, M. SHIOZAWA, N. YUKAWA, T. YOSHIKAWA, S. MORINAGA, Y. RINO, W. YASUI, M. MASUDA, Y. MIYAGI, T. OSHIMA ( <i>Yokohama; Tokyo; Hiroshima, Japan</i> ) .....	461
Comparison of FDG-PET/CT for Cancer Detection in Populations With Different Risks of Underlying Malignancy. H.-P. CHAN, W.-S. LIU, W.-S. LIOU, C. HU, Y.-L. CHIU, N.-J. PENG ( <i>Kaohsiung; Taipei, Taiwan, ROC</i> ).....	469

## Number 2, March-April

### Review

Anti-EGFR Monoclonal Antibodies in Advanced Biliary Tract Cancer: A Systematic Review and Meta-analysis. A. RIZZO, G. FREGA, A.D. RICCI, A. PALLONI, F. ABBATI, S. DE LORENZO, M. DESERTI, S. TAVOLARI, G. BRANDI ( <i>Bologna, Italy</i> ) .....	479
---	-----

### Experimental Studies

Oral Recombinant Methioninase Prevents Obesity in Mice on a High-fat Diet. Y. TASHIRO, Q. HAN, Y. TAN, N. SUGISAWA, J. YAMAMOTO, H. NISHINO, S. INUBUSHI, T. HIGUCHI, T. AOKI, M. MURAKAMI, R.M. HOFFMAN ( <i>San Diego, CA, USA; Tokyo, Japan</i> ) .....	489
--	-----

---

Effect of Physical Training on the Levels of Sex Hormones and the Expression of Their Receptors in Rats With Induced Mammary Cancer in Secondary Prevention Model – Preliminary Study. K. SIEWIERSKA, I. MALICKA, C. KOBIERZYCKI, J. GRZEGRZOLKA, A. PIOTROWSKA, U. PASLAWSKA, M. CEGIELSKI, M. PODHORSKA-OKOLOW, P. DZIEGIEL, M. WOZNIEWSKI ( <i>Wroclaw, Poland</i> ) .....	495
A Novel Multi-faceted Course Blueprint to Support Outcome-based Holistic Surgical Education: The Integrated Generation 4 Model (iG4). M. SIDERIS, V. PAPALOIS, T. ATHANASIOU, S. PAPAGRIGORIADIS, M. PIERIDES, G. VELMAHOS, A. PAPALOIS ( <i>London; Kettering, UK; Athens, Greece; Boston, MD, USA; Nicosia, Cyprus</i> ) .....	503
Targeting BCL-2 as a Therapeutic Strategy for Primary p210BCR-ABL1-positive B-ALL Cells. M. MASSIMINO, E. TIRRÒ, S. STELLA, M.S. PENNISI, S.R. VITALE, A. PUMA, C. ROMANO, S. DI GREGORIO, M.A. ROMEO, F. DI RAIMONDO, L. MANZELLA ( <i>Catania, Italy</i> ) .....	511
Quantitative Comparative Proteomics Reveals Candidate Biomarkers for the Early Prediction of Gestational Diabetes Mellitus: A Preliminary Study. D. MAVRELI, N. EVANGELINAKIS, N. PAPANTONIOU, A. KOLIALEXI ( <i>Athens, Greece</i> ) .....	517
Microdialysis for the Assessment of Intervertebral Disc and Vertebral Cancellous Bone Metabolism in a Large Porcine Model. M. BUE, P. HANBERG, M.B. THOMASSEN, M. TØTTRUP, T.M. THILLEMANN, K. SØBALLE, H. BIRKE-SØRENSEN ( <i>Horsens; Aarhus; Farsø, Denmark</i> ) .....	527
Is Ovarian Tissue Transport at Supra-zero Temperatures Compared to Body Temperature Optimal for Follicle Survival? N. RAFFEL, R. DITTRICH, P. ORLOWSKI, H. TISCHER, S. SÖDER, R. ERBER, I. HOFFMANN, M.W. BECKMANN, L. LOTZ ( <i>Erlangen; Coburg, Germany</i> ) .....	533
Drug Delivery Properties of Nanocomposite Particles for Inhalation: Comparison of Drug Concentrations in Lungs and Blood. I. TAKEUCHI, Y. KOSHI, K. MAKINO ( <i>Chiba, Japan</i> ) .....	543
18-kDa Translocator Protein Ligands Protect H9C2 Cardiomyocytes from Cigarette Smoke-induced Cell Death: <i>In Vitro</i> Study. R. NAGLER, N. ZEINEH, M. AZRAD, N. YASSIN, A. WEIZMAN, M. GAVISH ( <i>Haifa; Petah Tikva; Tel Aviv, Israel</i> ) .....	549
Implantation of an Injectable Bone Substitute Material Enables Integration Following the Principles of Guided Bone Regeneration. M. BARBECK, O. JUNG, R. SMEETS, M. GOSAU, R. SCHNETTLER, P. RIDER, A. HOUSHMAND, T. KORZINSKAS ( <i>Hamburg; Berlin; Rostock, Germany</i> ) .....	557
Effect of Liposomal Curcumin on Acetaminophen Hepatotoxicity by Down-regulation of Oxidative Stress and Matrix Metalloproteinases. G. DOGARU, A.E. BULBOACA, D. GHEBAN, P.M. BOARESCU, V. RUS, D. FESTILA, A.-V. SITAR-TAUT, I. STANESCU ( <i>Cluj-Napoca, Romania</i> ) .....	569
Successful Conversion Surgery Following Chylous Ascites After Nivolumab for Advanced Gastric Cancer. S. TOYOTA, H. ORITA, Y. FUKUYAMA, S. MOTOYOSHI, S. KAWANAMI, S. MAEDA, E. KURAMITSU, M. ICHIMANDA, S. NAGAMATSU, S. NAGATA, S. KAI, D. KORENAGA, M. MORI ( <i>Nakatsu; Fukuoka, Japan</i> ) .....	583
Butyric Acid in Saliva of Chronic Periodontitis Patients Induces Transcription of the EBV Lytic Switch Activator BZLF1: A Pilot Study. R. KOIKE, K. NODOMI, N. WATANABE, Y. OGATA, O. TAKEICHI, M. TAKEI, T. KANEKO, M. TONOJI, A. KOTANI, K. IMAI ( <i>Tokyo; Chiba; Kanagawa, Japan</i> ) .....	587

---

Effects of Cinnamaldehyde on the Viability and Expression of Chemokine Receptor Genes in Temozolomide-treated Glioma Cells. J.-C. CHEN, P.-S. HSIEH, S.-M. CHEN, J.-H. HWANG ( <i>Chiayi; Haulien; Taichung, Taiwan, ROC</i> ) .....	595
Regulation of NF- $\kappa$ B Signalling Through the PR558-RelA Interaction in Osteoblasts. A. SUZUKI, G. SUGIYAMA, Y. OHYAMA, W. KUMAMARU, T. YAMADA, Y. MORI ( <i>Fukuoka, Japan</i> ) .....	601
Evaluation of Goose-beak Bone Particles for Dentoalveolar Reconstruction in Dogs. S.J. JANG, S.H. CHOI ( <i>Cheongju, Republic of Korea</i> ) .....	609
Effects of Coffee Intake on Oxidative Stress During Aging-related Alterations in Periodontal Tissue. T. KOBAYASHI, T. MARUYAMA, T. YONEDA, H. MIYAI, T. AZUMA, T. TOMOFUJI, D. EKUNI, M. MORITA ( <i>Okayama; Mizuho, Japan</i> ) .....	615
Xerostomia and Clinical Outcomes in Definitive Intensity Modulated Radiotherapy (IMRT) Versus Three-dimensional Conformal Radiotherapy (3D-CRT) for Head and Neck Squamous Cell Carcinoma: A Meta-analysis. F. DE FELICE, N. PRANNO, P. PAPI, O. BRUGNOLETTI, V. TOMBOLINI, A. POLIMENTI ( <i>Rome, Italy</i> ) .....	623
Astragaloside IV Induces Apoptosis, G1-Phase Arrest and Inhibits Anti-apoptotic Signaling in Hepatocellular Carcinoma. C.-M. SU, H.-C. WANG, F.-T. HSU, C.-H. LU, C.-K. LAI, J.-G. CHUNG, Y.-C. KUO ( <i>Changhua; Taipei; New Taipei City; Taichung; Kaohsiung, Taiwan, ROC</i> ) .....	631
PD-L1 Expression and Tumor-infiltrating Lymphocytes in Breast Cancer: Clinicopathological Analysis in Women Younger than 40 Years Old. Z. EVANGELOU, A. PAPOUDOU-BAI, G. KARPATHIOU, H. KOURÉA, S. KAMINA, A. GOUSSIA, H. HARİSSIS, D. PESCHOS, A. BATISTATOU ( <i>Ioannina; Patras, Greece; Saint-Etienne, France</i> ) .....	639
Immunoreactivity of MAPK Signaling in a Rat Model of Intrauterine Growth Retardation Induced by Uterine Artery Ligation. M.S. CHOI, Y.Y. CHUNG, D.-J. KIM, S.T. KIM, Y.H. JUN ( <i>Gwang-ju, Republic of Korea</i> ) .....	649
The Effect of TISSEEL® on Colorectal Anastomosis Healing Process in a Diabetic Animal Experimental Model. K. STERGIOS, M. FROUNTZAS, V. PERGIALIOTIS, L.M. KOROU, K. KONTZOGLOU, K. STEFANIDIS, N. NIKITEAS, D.N. PERREA, G. VAOS ( <i>Athens, Greece</i> ) .....	659
<b>Clinical Studies</b>	
Health-related Quality of Life of Breast Cancer Survivors Attending an Exercise Intervention Study: A Five-year Follow-up. E. ROINE, H. SINTONEN, P.-L. KELLOKUMPU-LEHTINEN, H. PENTTINEN, M. UTRIAINEN, L. VEHMANEN, R. HUOVINEN, H. KAUTIAINEN, R. NIKANDER, C. BLOMQVIST, T. SAARTO ( <i>Helsinki; Tampere; Turku; Kuopio; Jyväskylä, Finland</i> ) .....	667
Management of Patients With Metastatic Renal Cell Cancer and Bone Metastases. C. NIEDER, A. DALHAUG, A.R. PAWINSKI ( <i>Bodø; Tromsø, Norway</i> ) .....	675
Eastern Cooperative Oncology Group Performance Score Is Associated With Survival After Radiotherapy of Bone Metastases from Prostate Cancer. R. HAUS, S. JANSSEN, S.E. SCHILD, D. RADES ( <i>Lübeck; Hannover, Germany; Scottsdale, AZ, USA</i> ) .....	679

---

Chemoembolization Alone or Associated With Bevacizumab for Therapy of Colorectal Cancer Metastases: Preliminary Results of a Randomized Study. G. FIORENTINI, D. SARTI, M. NARDELLA, R. INCHINGOLO, M. NESTOLA, A. REBONATO, S. GUADAGNI ( <i>Pesaro; Matera; L'Aquila, Italy</i> ).....	683
The Anthropometric Assessment With the Bioimpedance Method Is Associated With the Prognosis of Cirrhotic Patients. E.-I. MORIWAKI, H. ENOMOTO, M. SAITO, N. HARA, H. NISHIKAWA, T. NISHIMURA, Y. IWATA, H. IIJIMA, S. NISHIGUCHI ( <i>Hyogo; Osaka, Japan</i> ) .....	687
Surgical Intervention for Uterine Fibroids. Our 4-Year Experience and Literature Review: Is It Time to Centralise Care Provision Via Specialist Fibroid Centres? S.M. STRONG, M. SIDERIS, Z. MAGAMA, S. ROUABHI, F. ODEJINMI ( <i>London, UK</i> ) .....	695
Differences in Risk Factors for Melanoma in Young and Middle-aged Higher-risk Patients. J.S. PALVE, N.J. KORHONEN, T.H. LUUKKAALA, M.T. KÄÄRIÄINEN ( <i>Tampere, Finland</i> ) .....	703
Sequential Analysis of Neutrophil-to-lymphocyte Ratio for Differentiated Thyroid Cancer Patients Treated With Lenvatinib. N. FUKUDA, X. WANG, A. OHMOTO, T. URASAKI, Y. SATO, K. NAKANO, M. NISHIZAWA, M. YUNOKAWA, M. ONO, J. TOMOMATSU, S. TAKAHASHI ( <i>Tokyo, Japan</i> ) .....	709
Comparative Assessment of Two Strategies for Interpreting Tumor Markers in Ascitic Effusions. J. TRAPÉ, F. SANT, J. MONTESINOS, A. ARNAU, M. SALA, C. FIGOLS, J. FRANQUESA, E. ESTEVE-VALVERDE, R. PÉREZ, J. ALIGUÉ, S. CATOT, E. CASADO, M. DOMENECH, J. TRAPÉ-UBEDA, C. BERGÓS, F. VIDA, P. SORT, M. BONET, D. RUIZ, C. GONZÁLEZ-FERNÁNDEZ, J. ORDEIG, R. MOLINA ( <i>Manresa; Vic; Barcelona, Spain</i> ) .....	715
Uselessness of Serum p53 Antibody for Detecting Colitis-associated Cancer in the Era of Immunosuppressive Therapy. K. TORITANI, H. KIMURA, R. KUNISAKI, J. WATANABE, C. KUNISAKI, A. ISHIBE, S. CHIBA, Y. INAYAMA, I. ENDO ( <i>Yokohama, Japan</i> ) .....	723
Axillary Nodal Burden in Breast Cancer Patients With Pre-operative Fine Needle Aspiration-proven Positive Lymph Nodes Compared to Those With Positive Sentinel Nodes. C. CIPOLLA, M.R. VALERIO, N. GRASSI, S. CALAMIA, S. LATTERI, M. LATTERI, G. GRACEFFA, S. VIENI ( <i>Palermo, Italy</i> ) .....	729
Symptom Burden in Patients With Reduced Performance Status at the Start of Palliative Radiotherapy. C. NIEDER, T.A. KÄMPE ( <i>Bodø; Tromsø, Norway</i> ) .....	735
Protective Effects of Cold Ringer's Solution Perfusion in Abdominal Aortic Surgery Requiring Renal Artery Clamp. T. HIROSE, N. SAWABATA, T. ABE, Y. HAYATA, S. HIRAGA, H. NISHIKAWA, S. TANIGUCHI ( <i>Kashihara, Japan</i> ) .....	739
Optical Coherence Tomography for <i>In Vivo</i> Identification, Characterization and Optimal Treatment of Spontaneous Recanalization of Coronary Thrombus. M. SPINU, C. HOMORODEAN, M.C. OBER, M. OLINIC, P.A. MIRCEA, D.M. OLINIC ( <i>Cluj-Napoca, Romania</i> ) .....	745
Clinical Outcomes of Dose-escalated Radiotherapy for Localised Prostate Cancer: A Single-institution Experience. K. MENG, K. LIM, C.C. LEE, D. CHIA, K.H. OOI, Y.Y. SOON, J. TEY ( <i>Singapore, Singapore</i> ) .....	757
Interval Between Cancer Diagnosis and Radiotherapy – An Independent Prognostic Factor of Survival in Patients Irradiated for Bone Metastases from Kidney Cancer. D. RADES, R. HAUS, S. JANSSEN, S.E. SCHILD ( <i>Lübeck; Hannover, Germany; Scottsdale, AZ, USA</i> ).....	767

---

Importance of Monitoring Physical Function for Quality of Life Assessments in Hematopoietic Stem Cell Transplantation Patients: A Prospective Cohort Study. I. KIM, Y. KOH, D. SHIN, J. HONG, H.J. DO, S.-H. KWON, K.S. SEO ( <i>Seoul, Republic of Korea</i> ) .....	771
Wedge Resection of Tumor Before Lobectomy for Lung Cancer Could Be a No-touch Isolation Technique. M. YASUKAWA, N. SAWABATA, T. KAWAGUCHI, S. TANIGUCHI ( <i>Nara, Japan</i> ) .....	779
Superior Mesenteric and Portal Vein Reconstruction With Cadaveric Allograft During Pancreatoduodenectomy – A Case Report and Literature Review. N. BACALBASA, I. BALESCU, M. VILCU, S. DIMA, L. ILIESCU, I. BREZEAN, V. BRASOVEANU, I. POPESCU ( <i>Bucharest, Romania</i> ).....	787
Urinary Tract Resections as Part of Debulking Surgery for Locally Advanced Endometrial Stromal Sarcomas. N. BACALBASA, I. BALESCU, L. ILIESCU, C. DIACONU, S. DIMA, M. VILCU, I. BREZEAN ( <i>Bucharest, Romania</i> ) .....	793
Survival Analysis of Pathological T3a Upstaging in Clinical T1 Renal Cell Carcinoma. G.-S. LAI, J.-R. LI, S.-S. WANG, C.-S. CHEN, C.-K. YANG, S.-C. HUNG, C.-L. CHENG, Y.-C. OU, K.-Y. CHIU ( <i>Chiayi; Taichung; Nantou, Taiwan, ROC</i> ) .....	799
Persistent Descending Mesocolon as a Key Risk Factor in Laparoscopic Colorectal Cancer Surgery. L. WANG, H. KONDO, Y. HIRANO, T. ISHII, K. HARA, N. OBARA, M. ASARI, T. KATO, G. HENG, S. YAMAGUCHI ( <i>Hidaka, Japan</i> ).....	807
Surgical Ectrodactyly Repair Using Limb-lengthening and Bone Tissue Engineering Techniques in a Toy Dog Breed. M.-I. LEE, H.-H. KWAK, J.-H. KIM, H.-S. SHIN, H.-M. WOO, B.-J. KANG ( <i>Chuncheon; Seoul, Republic of Korea</i> ).....	815
Metastatic Cutaneous Squamous Cell Carcinoma in Liver Successfully Treated With Partial Hepatectomy and Adjuvant Irinotecan Chemotherapy. Y. ASAHIWA, Y. NAKAMURA, K. TANESE, I. HIRAI, K. FUKUDA, M. AMAGAI, T. FUNAKOSHI ( <i>Tokyo, Japan</i> ).....	825
Rivaroxaban Versus Low-molecular-weight Heparin for Venous Thromboembolism in Advanced Upper Gastrointestinal Tract and Hepatopancreatobiliary Cancer. J.H. KIM, S. SEO, K.-P. KIM, H.-M. CHANG, B.-Y. RYOO, C. YOO, J.H. JEONG, J.-L. LEE, H.-S. IM, H. JEONG, Y. BANG, S.R. PARK ( <i>Seoul, Republic of Korea</i> ).....	829
The Influence of the Preoperative Status on the Risk of Postoperative Complications After Cytoreductive Surgery for Advanced-stage Ovarian Cancer. N. BACALBASA, I. BALESCU, M. DIMITRIU, L. ILIESCU, C. DIACONU, S. DIMA, M. VILCU, I. BREZEAN ( <i>Bucharest, Romania</i> ).....	839
Comparison of Saccharin Time in Nursing Home Residents With and Without Pneumonia: A Preliminary Study. Y. UCHIDA, K. NOHARA, N. TANAKA, N. FUJII, H. FUKATSU, N. KANEKO, M. MITSUYAMA, T. SAKAI ( <i>Suita; Okayama; Osaka, Japan</i> ).....	845
Distribution of Regulatory T-Cells and Other Phenotypes of T-Cells in Tumors and Regional Lymph Nodes of Colorectal Cancer Patients. K. KAZAMA, T. AOYAMA, J. OTAKE, M. SHIOZAWA, N. SUGANO, S. SATO, Y. ATSUMI, K. KANO, M. MURAKAWA, Y. MAEZAWA, I. HASHIMOTO, M. NUMATA, H. TAMAGAWA, T. OSHIMA, N. YUKAWA, Y. RINO, M. MASUDA, T. SASADA ( <i>Yokohama, Japan</i> ).....	849
Risk Factors for Postoperative Anastomosis Leak After Esophagectomy for Esophageal Cancer. T. AOYAMA, Y. ATSUMI, K. HARA, H. TAMAGAWA, A. TAMAGAWA, K. KOMORI, I. HASHIMOTO, Y. MAEZAWA, K. KAZAMA, K. KANO, M. MURAKAWA, M. NUMATA, T. OSHIMA, N. YUKAWA, M. MASUDA, Y. RINO ( <i>Yokohama, Japan</i> ) .....	857

---

The Role of Neutrophil-to-lymphocyte Ratio on the Effect of CRT for Patients With Rectal Cancer. D. ISHIKAWA, M. NISHI, C. TAKASU, H. KASHIHARA, T. TOKUNAGA, J. HIGASHIJIMA, K. YOSHIKAWA, M. SHIMADA ( <i>Tokushima, Japan</i> ) .....	863
CO <sub>2</sub> Laser De-epithelization Technique for Subepithelial Connective Tissue Graft: A Study of 21 Recessions. H. YOSHINO, A. HASUIKE, N. SANJO, D. SATO, T. KUBOTA, H. NAGASHIMA, S. SATO ( <i>Kawaguchi; Tokyo, Japan</i> ) .....	869
Severe Thrombocytopenia Associated With Pembrolizumab in Patients With Non-small Cell Lung Cancer (NSCLC): A Case Report and Literature Review. A. MOURI, K. KAIRA, A. SHIONO, Y. MIURA, H. KAGAMU ( <i>Saitama, Japan</i> ) .....	877
Comparative Analysis of Immunoinflammatory and Nutritional Measures in Surgically Resected Esophageal Cancer: A Single-center Retrospective Study. M. SAKAI, M. SOHDA, H. SAITO, Y. ASUNARI, N. NAKAZAWA, K. KURIYAMA, K. HARA, A. SANO, K. OGATA, T. YOKOBORI, K. SHIRABE, H. SAEKI ( <i>Gunma, Japan</i> ) .....	881
Recurrence of Atrial Fibrillation in Dependence of Left Atrial Volume Index. M. KRANERT, T. SHCHETYNSKA-MARINOVA, V. LIEBE, C. DOESCH, T. PAPAVASSILIU, I. AKIN, M. BORGGREFE, A. HOHNECK ( <i>Mannheim, Germany</i> ) .....	889
Phase II Study of Consolidation Amrubicin After Concurrent Chemoradiotherapy in Patients With Limited-stage Small-cell Lung Cancer. H. YOSHIDA, H. NAGAI, Y. SAKAMORI, H. OZASA, T. NISHIMURA, K. TOMII, T. HIRAI, Y. MATSUO, Y. IIZUKA, T. MIZOWAKI, K. YOSHIMURA, Y.H. KIM ( <i>Kyoto; Kobe; Hiroshima, Japan</i> ) .....	897
Efficacy of Irinotecan as Third-line Chemotherapy for Unresectable or Recurrent Gastric Cancer. M. FUKUCHI, K. KUWABARA, T. ISHIGURO, Y. KUMAGAI, K. ISHIBASHI, E. MOCHIKI, H. ISHIDA ( <i>Kawagoe, Japan</i> ) .....	903
Role of Magnetic Resonance Imaging in the Evaluation of Breast Cancer Response to Neoadjuvant Chemotherapy. G. PASQUERO, A. SURACE, A. PONTI, M. BORTOLINI, D. TOTA, M.P. MANO, R. ARISIO, C. BENEDETTO, M.G. BAÙ ( <i>Turin, Italy</i> ) .....	909
Eribulin Suppresses New Metastases in Patients With Metastatic Breast Cancer. T. FUJII, S. TOKUDA, Y. NAKAZAWA, S. KUROZUMI, S. OBAYASHI, R. YAJIMA, K. SHIRABE ( <i>Gunma, Japan</i> ) .....	917
The Onset of Urinary Incontinence in Different Subgroups and its Relation to Menopausal Status: A Hospital-based Study. F. THANGARAJAH, J. HARTMANN-WOBBE, D. RATIU, C. PAHMEYER, J. C. RADOSA, P. MALLMANN, S. LUDWIG ( <i>Cologne; Homburg, Germany</i> ) .....	923
Incidence of Influenza Among Childhood Cancer Survivors in South Korea: A Population-based Retrospective Analysis. J. HEO, H.J. JUNG, O.K. NOH, L. KIM, J.E. PARK ( <i>Suwon; Seoul, Republic of Korea</i> ) .....	929
Persistent Left Superior Vena Cava – Accidental Finding. C. SAVU, C. PETREANU, A. MELINTE, R. POSEA, I. BALESCU, L. ILIESCU, C. DIACONU, N. GALIE, N. BACALBASA ( <i>Bucharest, Romania</i> ) .....	935
Association of SNPs in CDKN2A (P14ARF) Tumour Suppressor Gene With Endometrial Cancer in Postmenopausal Women. W. WUJCICKA, A. ZAJAC, K. SZYLLO, B. SMOLARZ, H. ROMANOWICZ, G. STACHOWIAK ( <i>Lodz, Poland</i> ) .....	943

**Number 3, May-June***Reviews*

- Pathophysiological Changes During Ischemia-reperfusion Injury in Rodent Hepatic Steatosis. A.-A. NERI, I.A. DONTAS, D.C. ILIOPOULOS, T. KARATZAS (*Kifissia; Athens, Greece*) ..... 953

- Laparoscopic and Robotic Management of Ureteral Stricture in Adults. F. KAPOGIANNIS, E. SPARTALIS, K. FASOULAKIS, G. TSOUROUFLIS, D. DIMITROULIS, N.I. NIKITEAS (*Athens, Greece*) ..... 965

*Experimental Studies*

- Oral Recombinant Methioninase Inhibits Diabetes Onset in Mice on a High-fat Diet. Y. TASHIRO, Q. HAN, Y. TAN, N. SUGISAWA, J. YAMAMOTO, H. NISHINO, S. INUBUSHI, Y. SUN, G. ZHU, H. LIM, T. AOKI, M. MURAKAMI, M. BOUVET, R.M. HOFFMAN (*San Diego, CA, USA; Tokyo, Japan*) ..... 973

- Oral Recombinant Methioninase Prevents Nonalcoholic Fatty Liver Disease in Mice on a High Fat Diet. Y. TASHIRO, Q. HAN, Y. TAN, N. SUGISAWA, J. YAMAMOTO, H. NISHINO, S. INUBUSHI, Y. SUN, H. LIM, T. AOKI, M. MURAKAMI, Y. TAKAHASHI, M. BOUVET, R.M. HOFFMAN (*San Diego, CA, USA; Tokyo; Narita, Japan*) ..... 979

- The Condensation of Collagen Leads to an Extended Standing Time and a Decreased Pro-inflammatory Tissue Response to a Newly Developed Pericardium-based Barrier Membrane for Guided Bone Regeneration. T. GUELDENPFENNIG, A. HOUSHMAND, S. NAJMAN, S. STOJANOVIC, T. KORZINSKAS, R. SMEETS, M. GOSAU, J. PISSAREK, S. EMMERT, O. JUNG, M. BARBECK (*Hamburg; Eberswalde; Berlin; Rostock, Germany; Niš, Serbia*) ..... 985

- Enhanced Sensitivity to NVP-BEZ235 by Inhibition of p62/SQSTM1 in Human Bladder Cancer KoTCC-1 Cells Both *In Vitro* and *In Vivo*. K. TAMURA, K. WATANABE, Y. MATSUSHITA, H. WATANABE, D. MOTOYAMA, T. ITO, T. SUGIYAMA, A. OTSUKA, H. MIYAKE (*Hamamatsu, Japan*) ..... 1001

- Augmentation of Neurotoxicity of Anticancer Drugs by X-Ray Irradiation. G. NAKAYA, H. SAKAGAMI, Y. KOGA-OGAWA, A. SHIROTO, T. NOBESAWA, D. UEDA, S. NAKATANI, K. KOBATA, Y. IIJIMA, S. TONE, A. DAVID-GONZALEZ, R. GARCIA-CONTRERAS, M. TOMOMURA, S. KITO, N. TAMURA, H. TAKESHIMA (*Saitama, Japan; Mexico City, Mexico*) ..... 1009

- Expression of Periostin in Cancer-associated Fibroblasts in Mammary Cancer in Female Dogs. P. BORECKA, K. RATAJCZAK-WIELGOMAS, R. CIAPUTA, M. KANDEFER-GOLA, I. JANUS, A. PIOTROWSKA, A. KMIECIK, M. PODHORSKA-OKOLÓW, P. DZIĘGIEL, M. NOWAK (*Wrocław, Poland*) ..... 1017

- Comparison of the Efficacy of EGFR Tyrosine Kinase Inhibitors Erlotinib and Low-dose Osimertinib on a PC-9-GFP EGFR Mutant Non-small-cell Lung Cancer Growing in the Brain of Nude Mice. Y. KATSUYA, K. MIYAKE, T. HIGUCHI, H. OSHIRO, N. SUGISAWA, S.R. SINGH, Y. GOTO, M. ZHAO, R.M. HOFFMAN (*San Diego, CA; Frederick, MD, USA; Tokyo, Japan*) ..... 1027

- Propranolol Specifically Suppresses the Viability of Tumorous Schwann Cells Derived from Plexiform Neurofibromas *In Vitro*. Z. ZOU, L. GUO, V. MAUTNER, R. SMEETS, L. KIUWE, R.E. FRIEDRICH (*Hamburg, Germany*) ..... 1031

Prophylactic Effect of Recombinant Human Soluble Thrombomodulin for Hepatic Sinusoidal Obstruction Syndrome Model Mice. S. KANOU, T. MIYASHITA, Y. YAMAMOTO, S. TAKADA, M. NAKURA, M. OKAZAKI, Y. OHBATAKE, S. NAKANUMA, I. MAKINO, H. TAJIMA, H. TAKAMURA, S. FUSHIDA, T. OHTA ( <i>Kanazawa, Japan</i> ).....	1037
Association of Murine Double Minute 2 Genotypes and Lung Cancer Risk. Y.-C. LIN, W.-S. CHANG, T.-C. SHEN, H.-T. LI, C.-H. LI, Y.-C. HSIAU, Y.-C. WANG, C.-N. WU, C.-L. GONG, Z.-H. WANG, C.-W. TSAI, T.-C. HSIA, D.-T. BAU ( <i>Taichung, Taiwan, ROC</i> ).....	1047
Hydroxyapatite Nanoparticles as Injectable Bone Substitute Material in a Vertical Bone Augmentation Model. A. KANEKO, E. MARUKAWA, H. HARADA ( <i>Tokyo, Japan</i> ).....	1053
Student Views on a Novel Holistic Surgical Education Curriculum (iG4): A Multi-national Survey in a Changing Landscape. M. SIDERIS, M. NICOLAIDES, I. THEODOULOU, E.I. EMIN, J.G. HANRAHAN, A. DEDEILIA, E. THEODOROU, G. PAPAROIDAMIS, Z. ABDULLAH, C. PAPOUTSOS, T. PITTRAS, F. ODEJINMI, A. PAPALOIS ( <i>London; Cambridge, UK; Athens; Thessaloniki, Greece; Nicosia, Cyprus</i> ) .....	1063
Effect of Small-molecule GSK3 Antagonist on Differentiation of Rat Dental Pulp Cells into Odontoblasts. Y. MASUDA, H. SAKAGAMI, S. YOKOSE, N. UDAGAWA ( <i>Nagano; Saitama, Japan</i> ) .....	1071
Wogonin Influences Osteosarcoma Stem Cell Stemness Through ROS-dependent Signaling. H. KOH, H.-N. SUN, Z. XING, R. LIU, N. CHANDIMALI, T. KWON, D.-S. LEE ( <i>Jeju; Jeonbuk, Republic of Korea; Daqing, PR China</i> ).....	1077
BRM270 Suppresses Cervical Cancer Stem Cell Characteristics and Progression by Inhibiting SOX2. N. CHANDIMALI, H.-N. SUN, Y.H. PARK, T. KWON ( <i>Daejeon; Seoul; Jeonbuk, Republic of Korea; Daqing, PR China</i> ) .....	1085
Dose-volume Histogram Analysis of Knowledge-based Volumetric-modulated Arc Therapy Planning in Postoperative Breast Cancer Irradiation. E. INOUE, H. DOI, H. MONZEN, M. TAMURA, M. INADA, K. ISHIKAWA, K. NAKAMATSU, Y. NISHIMURA ( <i>Osaka, Japan</i> ) .....	1095
Effect of Bone Powder/Mesenchymal Stem Cell/BMP2/Fibrin Glue on Osteogenesis in a Mastoid Obliteration Model. C.H. JANG, G.W. CHO, A.-J. SONG ( <i>Gwangju, Republic of Korea</i> ).....	1103
Association of <i>Interleukin-4</i> Polymorphisms With Breast Cancer in Taiwan. C.-N. CHU, Y.-C. WANG, W.-S. CHANG, Z.-H. WANG, L.-C. LIU, S.-C. WANG, C.-C. LIN, T.-Y. LIU, J.-G. CHANG, C.-W. TSAI, C.-C. YU, D.-T. BAU ( <i>Taichung, Taiwan, ROC</i> ) .....	1111
Significant Association of <i>Interleukin-16</i> Genetic Variations to Taiwanese Lung Cancer. M.-F. WU, Y.-C. WANG, T.-C. SHEN, W.-S. CHANG, H.-T. LI, C.-H. LIAO, C.-L. GONG, Z.-H. WANG, C.-W. TSAI, T.-C. HSIA, D.-T. BAU ( <i>Taichung; Taoyuan, Taiwan, ROC</i> ).....	1117
Does Age Matter? Estimating Risks of Locoregional Recurrence After Breast-conservative Surgery. G. VANNI, M. MATERAZZO, M. PELLICCIARO, L. MORANDO, I. PORTARENA, L. ANEMONA, M.R. D'ANGELO, R. BARBARINO, A. CHIARAVALLOTTI, R. MEUCCI, T. PERRETTA, C. DEIANA, P. ORSARIA, J. CASPI, C.A. PISTOLESE, O.C. BUONOMO ( <i>Rome; Pozzilli, Italy</i> ) .....	1125
Changes in Tracheal Respiratory Mucosa After Thyroidectomy: A Rat Model. Y.-S. LIM, Y.J. CHOI, B.H. KIM, H.-B. KIM, C.G. CHO, S.-W. PARK, J.H. PARK ( <i>Goyang, Republic of Korea</i> ).....	1133

---

Sunitinib Treatment-elicited Distinct Tumor Microenvironment Dramatically Compensated the Reduction of Myeloid-derived Suppressor Cells. S.-Y. FU, C.-C. WANG, F.-H. CHEN, C.-F. YU, J.-H. HONG, C.-S. CHIANG ( <i>Hsinchu; Taoyuan, Taiwan, ROC</i> ) .....	1141
<i>Clinical Studies</i>	
Reduction of Patella-baja and Pseudo-patella-baja Does Not Improve Range of Motion in Patients After Mega-TKA. T. GRAULICH, C. KRANZ, D. ZHANG, M. OERGEL, T.O. PACHA, M. HAERTLE, M. OMAR, C. KRETTEK, M. PANZICA ( <i>Hannover, Germany; Boston, MA, USA</i> ) .....	1153
A German Study Comparing Standard Wire Localization With Magnetic Seed Localization of Non-palpable Breast Lesions. F. KÜHN, C.E.E. SIMON, I. ALIYEVA, J. KUBMAUL, J. GROß, O. SCHWEIZERHOF, J.-U. BLOHMER, M.M. KARSTEN ( <i>Berlin; Munich, Germany</i> ) .....	1159
Arm Skeletal Muscle Mass Is Associated With the Prognosis of Patients With Cirrhosis. Y. SHIMONO, H. ENOMOTO, K. KISHINO, E.-I. MORIWAKI, H. NISHIKAWA, T. NISHIMURA, Y. IWATA, H. IIJIMA, S. NISHIGUCHI ( <i>Hyogo; Osaka, Japan</i> ).....	1165
Oral Azelaic Acid Ester Decreases Markers of Insulin Resistance in Overweight Human Male Subjects. R.T. STREEPER, C. LOUDEN, E. IZBICKA ( <i>San Antonio; Bandera, TX, USA</i> ).....	1173
A Novel Noninvasive Method for Predicting Liver Fibrosis by Quantifying the Estrangement of Indocyanine Green Retention Rate and Tc-99m-diethylenetriamine-penta-acetic Acid-galactosyl Human Serum Albumin Scintigraphy. T. HANAKI, E. UCHINAKA, T. YAGYU, M. MORIMOTO, J. WATANABE, K. MIYATANI, K. KIHARA, T. MATSUNAGA, M. YAMAMOTO, Y. FUKUMOTO, N. TOKUYASU, S. TAKANO, T. SAKAMOTO, S. HONJO, T. HASEGAWA, Y. FUJIWARA ( <i>Yonago, Japan</i> ) .....	1187
Influence of Preeclampsia on Induction of Labor at Term: A Cohort Study. J. PRETSCHER, C. WEISS, U. DAMMER, F. STUMPFE, F. FASCHINGBAUER, M.W. BECKMANN, S. KEHL ( <i>Erlangen; Heidelberg, Germany</i> ) .....	1195
Significance of Primary Malignant Tumors on the Outcome of Patients With Resected Gastrointestinal Stromal Tumors. S. KOHNO, H. AOKI, M. OGAWA, K. YOSHIDA, K. YANAGI ( <i>Tokyo, Japan</i> ).....	1201
First Reported Use of Radiofrequency Identification (RFID) Technique for Targeted Excision of Suspicious Axillary Lymph Nodes in Early Stage Breast Cancer – Evaluation of Feasibility and Review of Current Recommendations. W. MALTER, C. EICHLER, B. HANSTEIN, P. MALLMANN, J. HOLTSCHMIDT ( <i>Cologne, Germany</i> ) .....	1207
Minimally Invasive Surgery for Congenital Abdominal Cystic Lesions in Newborns and Infants. P. GAŁAZKA, K. REDLOCH, K. KROCZEK, J. STYCZYŃSKI ( <i>Bydgoszcz, Poland</i> ) .....	1215
Treatment Intensification for Locally Advanced Rectal Cancer: Impact on Pathological Complete Response and Outcomes. M. DI TOMMASO, C. ROSA, L. CARAVATTA, A. AUGURIO, V. BORZILLO, S. DI SANTO, F. PERROTTI, M. TARABORRELLI, R. CIACCI, P. INNOCENTI, P. DI SEBASTIANO, A. COLASANTE, D. ANGELUCCI, M. BASTI, G. SINDICI, L. MAZZOLA, G. PIZZICANNELLA, N. DI BARTOLOMEO, M. MARCHIONI, M. DI NICOLA, D. GENOVESI ( <i>Chieti; Naples; Città S. Angelo; Pescara; Lanciano, Italy</i> )....	1223
Preauricular Swelling Mimicking a Tumour: Dissolution of Mandibular Capitulum Following Trauma in a 15-Year Old Child. R.E. FRIEDRICH, F.K. KOHLRUSCH ( <i>Hamburg, Germany</i> ) .....	1235

---

Prognostic Impact of Lymph Node Ratio in Patients Undergoing Preoperative Chemoradiotherapy Followed by Curative Resection for Locally Advanced Rectal Cancer. W. JUNG, K. KIM, J. KIM, S.J. SHIM ( <i>Seoul, Republic of Korea</i> ) .....	1247
Predictive Ability of Preoperative PT-INR and Postoperative MCP1 for Post-hepatectomy Liver Failure. S. ARISAKA, R. MATSUYAMA, K. GOTO, Y. SUWA, R. MORI, D. MORIOKA, M. TAGURI, I. ENDO ( <i>Yokohama, Japan</i> ) .....	1255
Prognostic Significance of Treatment Strategies for the Recurrent Hepatocellular Carcinomas After Radical Resection. R. SAITO, H. AMEMIYA, N. HOSOMURA, H. KAWAIDA, S. MARUYAMA, H. SHIMIZU, S. FURUYA, H. AKAIKE, Y. KAWAGUCHI, M. SUDO, S. INOUE, H. KONO, D. ICHIKAWA ( <i>Yamanashi, Japan</i> ) .....	1265
Peritumoral Clefting and Expression of MMP-2 and MMP-9 in Basal Cell Carcinoma of the Skin. I. MANOLA, A. MATAIC, D.L. DRVAR, I. PEZELJ, T.R. DZOMBETA, B. KRUSLIN ( <i>Zagreb, Croatia</i> ) .....	1271
Neoadjuvant Chemotherapy for Patients With Diaphragmatic Lesions: A Prognostic Postoperative Analysis. M. SAITO, S. ODAJIMA, M. EZAWA, Y. IIDA, K. UEDA, N. YANAIHARA, H. TANABE, H. TAKANO, K. YAMADA, A. OKAMOTO ( <i>Tokyo, Japan</i> ) .....	1277
Salvage Re-irradiation Options in Adult Medulloblastoma: A Case Report and Review of the Literature. F. CUCCIA, G. MORTELLARO, L. OGNIBENE, G. CRAPARO, A. LO CASTO, G. FERRERA ( <i>Palermo; Verona, Italy</i> ) .....	1283
Dose-volume Histogram-based Predictors for Hematuria and Rectal Hemorrhage in Patients Receiving Radiotherapy After Radical Prostatectomy. K. SHIRAI, M. SUZUKI, K. AKAHANE, Y. TAKAHASHI, M. KAWAHARA, E. YAMADA, M. WAKATSUKI, K. OGAWA, S. TAKAHASHI, K. MINATO, K. HAMAMOTO, K. SAITO, M. OSHIMA, T. KONISHI, Y. NAKAMURA, S. WASHINO, T. MIYAGAWA ( <i>Saitama; Saku; Shimotsuke, Japan</i> ) .....	1289
BIT-ART: Multicentric Comparison of HDR-brachytherapy, Intensity-modulated Radiotherapy and Tomotherapy for Advanced Radiotherapy in Prostate Cancer. A.R. ALITTO, L. TAGLIAFERRI, V. LANCELLOTTA, A. D'AVIERO, A. PIRAS, V. FRASCINO, F. CATUCCI, B. FIONDA, C. STAACKMANN, S. SALDI, V. VALENTINI, G. KOVACS, C. ARISTEI, G. MANTINI ( <i>Rome; Perugia, Italy; Lübeck, Germany</i> ) .....	1297
Comparison of HPV Testing and Colposcopy in Detecting Cervical Dysplasia in Patients With Cytological Abnormalities. J. ŚWIDERSKA-KIEC, K. CZAJKOWSKI, J. ZAREBA-SZCZUDLIK, J. KACPERCZYK-BARTNIK, P. BARTNIK, E. ROMEJKO-WOLNIEWICZ ( <i>Warsaw, Poland</i> ) .....	1307
The Results of Whole-brain Radiotherapy for Elderly Patients With Brain Metastases from Urinary Bladder Cancer. D. RADES, T. NGUYEN, S.E. SCHILD ( <i>Lübeck, Germany; Scottsdale, AZ, USA</i> ) ...	1317
Estimating the Lifespan of Elderly Patients With Cerebral Metastases from Kidney Cancer. D. RADES, T. NGUYEN, S.E. SCHILD ( <i>Lübeck, Germany; Scottsdale, AZ, USA</i> ) .....	1321
Self-expandable Metal Stent as a Bridge to Surgery for Colorectal Cancer: Safety and Oncological Outcomes. M. HANAOKA, T. OGO, Y. KAWAMURA, T. MIURA, T. ABURATANI, H. SUGIMOTO, N. HOSHINO, T. YAUCHI, Y. NISHIOKA, T. KAWANO ( <i>Soka, Japan</i> ) .....	1325
Biomarkers of Kidney Injury in Very-low-birth-weight Preterm Infants: Influence of Maternal and Neonatal Factors. I. CAPELLI, F. VITALI, F. ZAPPULO, S. MARTINI, C. DONADEI, M. CAPPUCCILLI, L. LEONARDI, A. GIRARDI, V. AIELLO, S. GALLETTI, G. FALDELLA, E. POLUZZI, F. DE PONTI, L.M. GAETANO ( <i>Bologna, Italy</i> ) .....	1333

Ovarian Seromucinous Borderline Tumors Are Histologically Different from Mucinous Borderline Tumors. T. HADA, M. MIYAMOTO, H. ISHIBASHI, H. KAWAUCHI, H. SOYAMA, H. MATSUURA, T. SAKAMOTO, S. KAKIMOTO, T. AOYAMA, H. IWAHASHI, R. SUZUKI, H. TSUDA, M. TAKANO ( <i>Tokorozawa, Japan</i> ) .....	1341
Association of an Overhydrated State With the Liver Fibrosis and Prognosis of Cirrhotic Patients. K. KISHINO, H. ENOMOTO, Y. SHIMONO, E.-I. MORIWAKI, H. NISHIKAWA, T. NISHIMURA, Y. IWATA, H. IIJIMA, S. NISHIGUCHI ( <i>Hyogo; Osaka, Japan</i> ) .....	1347
Diagnostic Algorithm in Hirschsprung's Disease: Focus on Immunohistochemistry Markers. P. GALAZKA, L. SZYLBERG, M. BODNAR, J. STYCZYNSKI, A. MARSZALEK ( <i>Bydgoszcz; Poznan, Poland</i> ) .....	1355
A Simple Implement for Assessing the Survival of Elderly Patients With Melanoma Irradiated for Cerebral Metastases. T. NGUYEN, S. JANSSEN, S.E. SCHILD, D. RADES ( <i>Lübeck; Hannover, Germany; Scottsdale, AZ, USA</i> ) .....	1361
Relationship Between FDG Uptake and the Platelet/lymphocyte Ratio in Patients With Breast Invasive Ductal Cancer. T. FUJII, S. TOKUDA, Y. NAKAZAWA, S. KUROZUMI, S. OBAYASHI, R. YAJIMA, K. SHIRABE ( <i>Gunma, Japan</i> ) .....	1365
Evaluation of Different 'Tensioning' of Apical Suspension in Women Undergoing Surgery for Prolapse and Urinary Incontinence. S. LUDWIG, S. GÖKTEPE, P. MALLMANN, W. JÄGER ( <i>Cologne, Germany</i> ) .....	1371
Bevacizumab as First-line Treatment for HER2-negative Advanced Breast Cancer: Paclitaxel Plus Bevacizumab Versus Other Chemotherapy. S. NAKAMOTO, J. WATANABE, S. OHTANI, S. MORITA, M. IKEDA ( <i>Shizuoka; Hiroshima; Kyoto; Fukuyama, Japan</i> ) .....	1377
Expression and Prognostic Significance of CDK8 and β-Catenin in Hepatocellular Carcinoma. S.I. HAN, S.-C. LIM ( <i>Gwangju, Republic of Korea</i> ) .....	1387
Hearing Results Following Type 1 Tympanoplasty in Elderly Patients. T.-H. EOM, H.-R. LIM, S.-H. JEONG, K.-S. PARK, C.H. JANG ( <i>Gwangju, Republic of Korea</i> ) .....	1395
Characteristics and Clinical Outcomes of Non-small Cell Lung Cancer Patients in Korea With MET Exon 14 Skipping. J.Y. HUR, B.M. KU, J.H. SHIM, H.A. JUNG, J.-M. SUN, S.-H. LEE, J.S. AHN, K. PARK, M.-J. AHN ( <i>Seoul, Republic of Korea</i> ) .....	1399
Residual Site Radiotherapy After Immunochemotherapy in Primary Mediastinal B-Cell Lymphoma: A Monoinstitutional Retrospective Study. V. DE SANCTIS, A. DI ROCCO, M.C. COX, M. VALERIANI, F.P. CONGEDI, D. ANZELLINI, M. MASSARO, G. VULLO, G. FACONDO, F. DE GIACOMO, M. ALFÒ, D. PROSPERI, P. PIZZICHINI, S. PELLICCIA, A. TAFURI, M. MARTELLI, M. FALCHETTO OSTI ( <i>Rome, Italy</i> ) .....	1407
Association of Genetic Polymorphisms With Afatinib-induced Diarrhoea. R. SOGAWA, C. NAKASHIMA, T. NAKAMURA, K. TAKEUCHI, S. KIMURA, K. KOMIYA, Y. NARISAWA, S. KIMURA, N. SUEOKA-ARAGANE ( <i>Saga, Japan</i> ) .....	1415
Elderly Patients With Single Brain Metastasis – Overall Survival After Surgery Plus Whole-Brain Irradiation and a Radiation Boost. D. RADES, T. NGUYEN, S.E. SCHILD ( <i>Lübeck, Germany; Scottsdale, AZ, USA</i> ) .....	1421
Vestiges of Ossified Spheno-occipital Suture in an Elderly Patient With Down Syndrome and Lateral Skull Base Fracture. R.E. FRIEDRICH, F.K. KOHLRUSCH, U. GRZYSKA ( <i>Hamburg, Germany</i> ) .....	1427

Low-level X Chromosome Mosaicism: A Common Finding in Women Undergoing IVF. S. ZACHAKI, E. KOUVIDI, A. PANTOU, H. TSAROUHA, A. MITRAKOS, G. TOUNTA, I. CHARALAMPOUS, K.N. MANOLA, E. KANAVAKIS, A. MAVROU ( <i>Athens, Greece</i> ) .....	1433
Combination of Pembrolizumab With Platinum-containing Chemotherapy for Pleomorphic Carcinoma of the Lung. S. OKAUCHI, Y. SASATANI, T. SHIOZAWA, H. YAMADA, K. MIYAZAKI, N. TAKAYASHIKI, H. SATOH ( <i>Mito; Tsukuba; Hitachinaka; Ryugasaki, Japan</i> ) .....	1439
Cervical Pathology Following HPV Vaccination in Greece: A 10-year HeCPA Observational Cohort Study. E. PARASKEVAIDIS, A. ATHANASIOU, M. PARASKEVAIDI, E. BILIRAKIS, G. GALAZIOS, E. KONTOMANOLIS, K. DINAS, A. LOUFOPOULOS, M. NASIOUTZIKI, I. KALOGIANNIDIS, A. ATHANASIADIS, A. PAPANIKOLAOU, A. VATOPOULOU, G. GRIMBIZIS, D. TSOLAKIDIS, A. DAPONTE, G. VALASOULIS, S. GRITZELI, G. MICHAİL, G. ADONAKIS, M. PASCHOPoulos, O. TSONIS, M.-E. ANAFORIDOU, A. BATISTATOU, M. KYRGIOU ( <i>Ioannina; Athens; Alexandroupolis; Thessaloniki; Larissa; Patras, Greece; London, UK</i> ) .....	1445
Tolerability and Efficacy of Bevacizumab Monotherapy in Older Patients With Recurrent Ovarian Cancer. D. SHINTANI, H. YOSHIDA, A. YABUNO, K. FUJIWARA ( <i>Saitama, Japan</i> ) .....	1451
Long-term Survival With Afatinib in a Patient With Lung Adenocarcinoma Harboring Double Uncommon EGFR L861Q and G719X Mutations. G. OHARA, S. OKAUCHI, Y. SASATANI, T. SHIOZAWA, H. YAMADA, K. MIYAZAKI, H. SATOH ( <i>Mito; Tsukuba; Hitachinaka; Ryugasaki, Japan</i> ) .....	1459
Hepatic Angiosarcoma: Clinicopathologic Study With an Investigation of ROS1 Gene Rearrangements. H. JUNG, H.-N. KIM, Y. JANG, C.-K. PARK, S.-H. SHIN, S.Y. HA ( <i>Seoul, Republic of Korea</i> ) .....	1463
The Impact of Intraoperative Blood Loss on the Survival of Patients With Stage II/III Pancreatic Cancer. H. TAMAGAWA, T. AOYAMA, N. YAMAMOTO, M. KAMIYA, M. MURAKAWA, Y. ATSUMI, M. NUMATA, K. KAZAMA, K. HARA, N. YUKAWA, Y. RINO, M. MASUDA, S. MORINAGA ( <i>Yokohama, Japan</i> ) .....	1469
Efficacy of Nivolumab Plus Ipilimumab in a Patient With Renal Cell Carcinoma Concomitant With Cardiac Metastasis: A Case Report. S. SHIROTAKE, Y. UMEZAWA, T. OKABE, G. KANEKO, K. KANAO, K. NISHIMOTO, M. OYAMA ( <i>Hidaka, Japan</i> ) .....	1475
Optimal Response in a Patient With CML Expressing <i>BCR-ABL1</i> E6A2 Fusion Transcript With Nilotinib Therapy: A Case Report. L. MANZELLA, E. TIRRÒ, S.R. VITALE, A. PUMA, M.L. CONSOLI, L. TAMBÈ, M.S. PENNISI, S. DI GREGORIO, C. ROMANO, C. TOMARCHIO, F. DI RAIMONDO, F. STAGNO ( <i>Catania, Italy</i> ) .....	1481
Right Upper Abdominal Resections in Advanced Stage Ovarian Cancer. N. BACALBASA, I. BADESCU, C. DIACONU, L. ILIESCU, A. FILIPESCU, C. POP, S. DIMA, M. VILCU, I. BREZEAN ( <i>Bucharest, Romania</i> ) .....	1487
A Randomized Control Trial of Oral Sucrose Solution for Prevention of Hypoglycemia in High Risk Infants. S. SURACHAIDUNGTAVAL, P. CHANVORACHOTE, N. SUKSUMEK ( <i>Bangkok, Thailand</i> ) .....	1493
Treatment of Fournier's Gangrene With Vacuum-assisted Closure Therapy as Enhanced Recovery Treatment Modality. A. SYLLAIOS, S. DAVAKIS, L. KARYDAKIS, M. VAILAS, N. GARMPIS, E. MPAILI, E. KYROS, E. FELEKOURAS, A. PAPALAMPROS ( <i>Athens, Greece</i> ) .....	1499

---

Evaluation of the Differences Between Measurements in Multiple Institutions and Calculation Modeled by Representative Beam Data in Prostate VMAT Plan. H. GOTO, H. MIZUNO, Y. AKINO, M. ISONO, Y. TANAKA, N. MASAI, T. YAMAMOTO, M. KOIZUMI ( <i>Osaka; Kyoto, Japan</i> ).....	1503
Occurrence of Hematological Malignancy in Long-term Survivors With Advanced Thymic Cancer. K. KAIRA, I. NARUSE, S. SHINOMIYA, H. KAGAMU ( <i>Saitama; Gunma, Japan</i> ) .....	1511
Retrospective Analysis of Mortality Cases in Advanced and Metastatic Solid Tumors With Concurrent Prerenal Azotemia. T.-Y. LIAO, C.-C. LIAW ( <i>Taoyuan, Taiwan, ROC</i> ).....	1515
Distal Pancreatectomy <i>En Bloc</i> With Splenectomy, Celiac Axis and Portal Vein Resection Followed by Arterial Reconstruction Using a Cadaveric Graft – A Case Report and Literature Review. V. BRASOVEANU, I. BARBU, F. ICHIM, I. BALESCU, N. BACALBASA ( <i>Bucharest, Romania</i> ).....	1521
Debulking Surgery for Moderately Differentiated Neuroendocrine Gastric Carcinoma – A Case Report and Literature Review. N. BACALBASA, I. HALMACIU, C. BOLCA, A. NEACSU, D. CRETOIU, C. BALALAU, C. DIACONU, L. ILIESCU, A. FILIPESCU, C. POP, I. BALESCU ( <i>Bucharest; Târgu Mureş, Romania</i> ).....	1527
The Clinical Significance of Lymphovascular Invasion in Gastric Cancer. H. FUJIKAWA, K. KOUMORI, H. WATANABE, K. KANO, Y. SHIMODA, T. AOYAMA, T. YAMADA, T. HIROSHI, N. YAMAMOTO, H. CHO, M. SHIOZAWA, T. YOSHIKAWA, S. MORINAGA, Y. RINO, M. MASUDA, T. OGATA, T. OSHIMA ( <i>Yokohama; Tokyo, Japan</i> ) .....	1533
Efficacy of Axitinib After Nivolumab Failure in Metastatic Renal Cell Carcinoma. H. ISHIHARA, T. TAKAGI, T. KONDO, H. FUKUDA, H. TACHIBANA, K. YOSHIDA, J. IIZUKA, M. OKUMI, H. ISHIDA, K. TANABE ( <i>Tokyo, Japan</i> ).....	1541
Re-irradiation With Carbon Ion Radiotherapy for Pelvic Rectal Cancer Recurrences in Patients Previously Irradiated to the Pelvis. A. BARCELLINI, V. VITOLO, L. COBIANCHI, A. PELOSO, A. VANOLI, A. MIRANDOLA, A. FACOETTI, M.R. FIORE, A. IANNALFI, B. VISCHIONI, F. CUCCIA, S. RONCHI, M. BONORA, G. RIVA, R. PETRUCCI, E. D'IPPOLITO, F. DAL MAS, L. PREDA, F. VALVO ( <i>Pavia; Palermo; Rome, Italy; Geneva, Switzerland; Lincoln, UK</i> ).....	1547
Lack of Relevant Haemogram Changes During Percutaneous Radiotherapy of Localised Prostate Cancer. F. ZWICKER, B. SWARTMAN, P.E. HUBER, K. HERFARTH, J. DEBUS, H. HAUSWALD ( <i>Heidelberg, Germany</i> ).....	1555
Errata .....	1565

### **Number 3 Supplement, June 2020 Special Issue on COVID-19**

#### *Reviews*

COVID-19: The Potential Role of Copper and N-acetylcysteine (NAC) in a Combination of Candidate Antiviral Treatments Against SARS-CoV-2. A. ANDREOU, S. TRANTZA, D. FILIPPOU, N. SIPSAS, S. TSIODRAS ( <i>Nicosia, Cyprus; Athens, Greece</i> ).....	1567
Role of Interleukin-6 in Lung Complications in Patients With COVID-19: Therapeutic Implications. K. SMETANA, JR., J. BRABEK ( <i>Prague; Vestec, Czech Republic</i> ) .....	1589

---

Oral Methioninase for Covid-19 Methionine-restriction Therapy. R.M. HOFFMAN, Q. HAN ( <i>San Diego, CA, USA</i> ) .....	1593
Potential Antiviral Drugs for SARS-CoV-2 Treatment: Preclinical Findings and Ongoing Clinical Research. S. BIMONTE, A. CRISPO, A. AMORE, E. CELENTANO, A. CUOMO, M. CASCELLA ( <i>Naples, Italy</i> ) .....	1597
Medical and Surgical Education Challenges and Innovations in the COVID-19 Era: A Systematic Review. A. DEDEILIA, M.G. SOTIROPOULOS, J.G. HANRAHAN, D. JANGA, P. DEDEILIAS, M. SIDERIS ( <i>Athens, Greece; Boston, MA, USA; Cambridge; London, UK</i> ) .....	1603
Coronavirus Disease (COVID-19): A Machine Learning Bibliometric Analysis. F. DE FELICE, A. POLIMENTI ( <i>Rome, Italy</i> ) .....	1613
Ocular Manifestations of COVID-19 (SARS-CoV-2): A Critical Review of Current Literature. K.A.A. DOUGLAS, V.P. DOUGLAS, M.M. MOSCHOS ( <i>Boston, MA, USA; Athens, Greece</i> ) .....	1619
<b>Experimental Studies</b>	
SARS-CoV-2 <i>orf1b</i> Gene Sequence in the <i>NTNG1</i> Gene on Human Chromosome 1. S. LEHRER, P.H. RHEINSTEIN ( <i>New York, NY; Severna Park, MD, USA</i> ) .....	1629
Human Gene Sequences in SARS-CoV-2 and Other Viruses. S. LEHRER, P.H. RHEINSTEIN ( <i>New York, NY; Severna Park, MD, USA</i> ) .....	1633
A New Method for Testing Filtration Efficiency of Mask Materials Under Sneeze-like Pressure. L. XIAO, H. SAKAGAMI, N. MIWA ( <i>Tokyo; Saitama; Hiroshima, Japan</i> ) .....	1637
<b>Clinical Studies</b>	
Endoplasmic Reticulum Stress Markers in SARS-CoV-2 Infection and Pneumonia: Case-Control Study. A. KÖSELER, R. SABIRLI, T. GÖREN, İ. TÜRKÇÜER, Ö. KURT ( <i>Denizli; Kars; Istanbul, Turkey</i> ) .....	1645
Breast Cancer and COVID-19: The Effect of Fear on Patients' Decision-making Process. G. VANNI, M. MATERAZZO, M. PELLICCIARO, S. INGALLINELLA, M. RHO, F. SANTORI, M. COTESTA, J. CASPI, A. MAKAROVA, C.A. PISTOLESE, O.C. BUONOMO ( <i>Rome, Italy</i> ) .....	1651
Tor Vergata University-Hospital in the Beginning of COVID-19-Era: Experience and Recommendation for Breast Cancer Patients. O.C. BUONOMO, M. MATERAZZO, M. PELLICCIARO, J. CASPI, E. PICCIONE, G. VANNI ( <i>Rome, Italy</i> ) .....	1661
Breast Cancer Surgery During the COVID-19 Pandemic: An Observational Clinical Study of the Breast Surgery Clinic at Ospedale Policlinico San Martino – Genoa, Italy. P. FREGATTI, M. GIPPONI, M. GIACCHINO, M. SPARAVIGNA, F. MURELLI, M.L. TONI, M.T. CALABRÒ, L. ORSINO, D. FRIEDMAN ( <i>Genoa, Italy</i> ) .....	1667
Radiation Therapy During the COVID-19 Pandemic: Experience from Beijing, China. W. WANG, X. LIU, F. ZHANG, J. QIU, K. HU ( <i>Beijing, PR China</i> ) .....	1675
COVID-19 Incidentally Detected on PET/CT During Work-up for Locally Advanced Head and Neck Cancer. A. MO, N.P. BRODIN, W.A. TOMI, M.K. GARG, R. KABARRITI ( <i>New York, NY, USA</i> ) .....	1681

---

The Effect of Coronavirus (COVID-19) on Breast Cancer Teamwork: A Multicentric Survey. G. VANNI, M. MATERAZZO, F. SANTORI, M. PELLICCIARO, M. COSTESTA, P. ORSARIA, F. CATTADORI, C.A. PISTOLESE, T. PERRETTA, M. CHIOCCHI, R. MEUCCI, F. LAMACCHIA, M. ASSOGNA, J. CASPI, A.V. GRANAI, A. DE MAJO, A. CHIARAVALLOTTI, M.R. D'ANGELILLO, R. BARBARINO, S. INGALLINELLA, L. MORANDO, S. DALLI, I. PORTARENA, V. ALTOMARE, G. TAZZIOLI, O.C. BUONOMO ( <i>Rome; Piacenza; Pozzilli; Modena, Italy</i> ) .....	1685
Lockdown During COVID-19: The Greek Success. D. MORIS, D. SCHIZAS ( <i>Athens, Greece</i> ) .....	1695

**Number 4, July-August***Reviews*

How to Choose Between Percutaneous Transhepatic and Endoscopic Biliary Drainage in Malignant Obstructive Jaundice: An Updated Systematic Review and Meta-analysis. A. RIZZO, A.D. RICCI, G. FREGA, A. PALLONI, S. DE LORENZO, F. ABBATI, V. MOLLICA, S. TAVOLARI, M. DI MARCO, G. BRANDI ( <i>Bologna, Italy</i> ) .....	1701
Molecular Classification and Future Therapeutic Challenges of Triple-negative Breast Cancer. N. GARMPIS, C. DAMASKOS, A. GARMPI, K. NIKOLETTOS, D. DIMITROULIS, E. DIAMANTIS, P. FARMAKI, A. PATSOURAS, E. VOUTYRITSA, A. SYLLAIOS, C.G. ZOGRAFOS, E.A. ANTONIOU, N. NIKOLETTOS, A. KOSTAKIS, K. KONTZOGLOU, D. SCHIZAS, A. NONNI ( <i>Athens; Piraeus; Alexandroupolis, Greece</i> ) ...	1715

*Experimental Studies*

Biological Properties of the Aggregated Form of Chitosan Magnetic Nanoparticle. A.D. PAULINO-GONZALEZ, H. SAKAGAMI, K. BANDOW, Y. KANDA, Y. NAGASAWA, Y. HIBINO, H. NAKAJIMA, S. YOKOSE, O. AMANO, G. NAKAYA, Y. KOGA-OGAWA, A. SHIROTO, T. NOBESAWA, D. UEDA, S. NAKATANI, K. KOBATA, Y. IIJIMA, S. IFUKU, M. YAMAMOTO, R. GARCIA-CONTRERAS ( <i>León; Mexico City, Mexico; Saitama; Tottori; Tokyo, Japan</i> ) .....	1729
Association of Leukocyte Telomere Length and Genes Involved in its Regulation With Oral Carcinoma. Z. JUMATOVAITE, A. KRIAUCIUNAS, A. VILKEVICIUTE, G. GEDVILAITE, V. LIUTKEVICIUS, V. ULOZA, A. SMALINSKIE, R. LIUTKEVICIENE ( <i>Kaunas, Lithuania</i> ).....	1739
A Feasibility Study for 3D-printed Poly(methyl methacrylate)-resin Tracheostomy Tube Using a Hamster Cheek Pouch Model. H. JUNG, J.S. LEE, J.H. LEE, K.J. PARK, J.J. LEE, H.S. PARK ( <i>Chuncheon, Republic of Korea</i> ) .....	1749
Interaction of Interleukin-16 Genotypes With Betel Quid Chewing Behavior on Oral Cancer in Taiwan. L.-C. SHIH, W.-S. CHANG, H.-T. LEE, Y.-C. WANG, Z.-H. WANG, C.-Y. CHAO, C.-C. YU, H.-Y. LIN, T.-C. SHEN, C.-C. KUO, C.-W. TSAI, D.-T. BAU ( <i>Taichung, Taiwan, ROC</i> ) .....	1759
An Analysis of <i>ESR2</i> and <i>CYP19A1</i> Gene Expression Levels in Women With Endometriosis. T. SZAFLIK, B. SMOLARZ, B. MROCZKOWSKA, B. KULIG, M. SOJA, H. ROMANOWICZ, M. BRYŚ, E. FORMA, K. SZYŁŁO ( <i>Lodz, Poland</i> ) .....	1765
Germline Mutations in DNA Repair Genes in Patients With Metastatic Castration-resistant Prostate Cancer. K. HOLECKOVA, K. BALUCHOVA, M. HIVES, L. MUSAK, J. KLIMENT SR., M. SKERENOVA ( <i>Martin, Slovak Republic; Vienna, Austria</i> ) .....	1773

Characterization of Optimal Strain, Frequency and Duration of Mechanical Loading on Skeletal Myotubes' Biological Responses. A. MOUSTOGLIANI, A. PHILIPPOU, E. ZEVOLIS, O. TASO, A. CHATZIGEORGIOU, M. KOUTSILIERIS ( <i>Athens, Greece</i> ) .....	1779
The <i>In Vivo</i> Radiosensitizing Effect of Magnolol on Tumor Growth of Hepatocellular Carcinoma. Y.-S. CHEN, R. SUN, W.-L. CHEN, Y.-C. YAU, F.-T. HSU, J.-G. CHUNG, C. TSAI, C.-L. HSIEH, Y.-M. CHIU, J.-H. CHEN ( <i>Changhua; Taipei; Lukang; Taichung; Kaohsiung; New Taipei City, Taiwan, ROC</i> ) .....	1789
Ultrasonographic Follow-up of the Multistep Protocol for Prostate Cancer Induction in Wistar Rats. A.I. FAUSTINO-ROCHA, F. SEIXAS, R. FERREIRA, J. SILVA, M.J. PIRES, M. FARDILHA, M. GINJA, P.A. OLIVEIRA ( <i>Lisbon; Vila Real; Aveiro, Portugal</i> ) .....	1797
Increased Expression of p-GSK3 $\beta$ Predicts Poor Survival in T -III/IV Stage OSCC Patients. B. KUMAR VELMURUGAN, C.-W. CHIU, Y.-M. LIN, M. BHARATH, C.-M. YEH, Y.-E. CHEN, C.-M. CHUNG, S.-H. LIN ( <i>Taichung; Changhua; Miaoli, Taiwan, ROC; Da Nang, Vietnam</i> ) .....	1805
Biofunctional Feed Supplemented With By-products of Olive Oil Production Improves Tissue Antioxidant Profile of Lambs. S. MAKRI, S. RAFTOPOULOU, I. KAFANTARIS, B. KOTSAMPASI, V. CHRISTODOULOU, C. NEPKA, A.S. VESKOUKIS, D. KOURETAS ( <i>Larissa; Giannitsa, Greece</i> ) .....	1811
<i>Picrasma quassoides</i> Extract Elevates the Cervical Cancer Cell Apoptosis Through ROS-Mitochondrial Axis Activated p38 MAPK Signaling Pathway. Y.-X. GONG, Y. LIU, Y.-H. JIN, M.-H. JIN, Y.-H. HAN, J. LI, G.-N. SHEN, D.-P. XIE, C.-X. REN, L.-Y. YU, D.-S. LEE, J.-S. KIM, Y.-J. JO, J. KWON, J. LEE, Y.H. PARK, T. KWON, Y.-D. CUI, H.-N. SUN ( <i>Daqing, PR China; Daegu; Jeonbuk; Cheongju; Gyeonggi; Seoul, Republic of Korea</i> ) .....	1823
Protective Effects of <i>Pinus halepensis</i> Bark Extract and Nicotine on Cigarette Smoke-induced Oxidative Stress in Keratinocytes. P. PAVLOU, I. ANTONIADOU, A. PERAKI, A. VITSOS, P. DALLAS, D. MOSTRATOS, G. DELICONSTANTINOS, G. PAPAIOANNOU, S.A. GRANDO, M. RALLIS ( <i>Athens, Greece; Irvine, CA, USA</i> ) .....	1835
Synergistic Anti-cancer Activity of MH-30 in a Murine Melanoma Model Treated With Cisplatin and its Alleviated Effects Against Cisplatin-induced Toxicity in Mice. H.-R. PARK, S.-K. JO, H.-H. CHO, U. JUNG ( <i>Jeongeup, Republic of Korea</i> ) .....	1845
Osteogenic Evaluation of Hydroxyapatite Scaffold Loaded With Dexamethasone in Femoral Drill Holes. M.-H. PARK, S.J. JANG, S.H. CHOI ( <i>Cheongju, Republic of Korea</i> ) .....	1857
Effects of Testosterone on the Expression of Connexin 26 and Connexin 43 in the Uterus of Rats During Early Pregnancy. D.A.M. KAMAL, S.F. IBRAHIM, M.H. MOKHTAR ( <i>Kuala Lumpur; Kota Kinabalu, Malaysia</i> ) .....	1863
Association Between HMGB1 and Thrombogenesis in a Hyperlipaemia-induced Microminipig Model of Atherosclerosis. S. KAKE, H. KAWAGUCHI, T. NAGASATO, T. YAMADA, T. ITO, I. MARUYAMA, N. MIURA, A. TANIMOTO ( <i>Yamaguchi; Okayama; Kagoshima; Kanagawa, Japan</i> ) .....	1871
<b>Clinical Studies</b>	
Radiological and Histopathological Features of Internal Tooth Resorption. T. KOEHNE, J. ZUSTIN, M. AMLING, R.E. FRIEDRICH ( <i>Hamburg, Germany</i> ) .....	1875

Salvage Photon or Proton Radiotherapy for Oligo-recurrence in Regional Lymph Nodes After Surgery for Non-small Cell Lung Cancer. M. NAKAMURA, K. OHNISHI, H. ISHIKAWA, K. NAKAZAWA, T. SHIOZAWA, T. OKUMURA, I. SEKINE, Y. SATO, N. HIZAWA, H. SAKURAI ( <i>Ibaraki, Japan</i> ) .....	1883
The ABO Blood Group Impacts the Survival of Patients Undergoing Pancreatoduodenectomy for Biliary Tract Cancer. S. MORI, T. AOKI, K. TAGO, T. SHIMIZU, N. HARADA, K.-H. PARK, Y. SAKURAOKA, T. SHIRAKI, Y. ISO, K. KUBOTA ( <i>Tochigi, Japan</i> ) .....	1893
Preoperative C-Reactive Protein/Albumin Ratio as a Predictive Factor for Gallbladder Carcinoma. M. UTSUMI, H. AOKI, S. NAGAHISA, S. NISHIMURA, Y. UNE, Y. KIMURA, M. WATANABE, F. TANIGUCHI, T. ARATA, K. KATSUDA, K. TANAKAYA ( <i>Yamaguchi, Japan</i> ) .....	1901
Survival After Stereotactic Radiosurgery (SRS) or Fractionated Stereotactic Radiotherapy (FSRT) for Cerebral Metastases in the Elderly. D. RADES, T. NGUYEN, O. BLANCK, S.E. SCHILD ( <i>Lübeck; Güstrow, Germany; Scottsdale, AZ, USA</i> ) .....	1909
Treatment Outcome of Resection of Disseminated Peritoneal Metastases from Colorectal Cancer. G. OHIRA, H. MIYAUCHI, K. HAYANO, M. MARUYAMA, S. IMANISHI, T. TOCHIGI, T. MARUYAMA, T. HANAOKA, K. OKADA, H. MATSUBARA ( <i>Chiba, Japan</i> ) .....	1915
Glasgow Prognostic Score (GPS) and Tumor Response as Biomarkers of Nivolumab Monotherapy in Thirdor Later-line Setting for Advanced Gastric Cancer. T. KUROSAKI, H. KAWAKAMI, S. MITANI, R. KAWABATA, T. TAKAHAMA, Y. NONAGASE, S. FUMITA, T. OZAKI, Y. CHIBA, T. TAMURA, K. NAKAGAWA ( <i>Osaka-Sayama; Sakai; Ikoma; Kishiwada, Japan</i> ) .....	1921
Preoperative Nutritional Assessment Using the Controlling Nutritional Status Score to Predict Pancreatic Fistula After Pancreaticoduodenectomy. M. UTSUMI, H. AOKI, S. NAGAHISA, S. NISHIMURA, Y. UNE, Y. KIMURA, F. TANIGUCHI, T. ARATA, K. KATSUDA, K. TANAKAYA ( <i>Yamaguchi, Japan</i> ) .....	1931
Impact of Antiplatelet and Anticoagulant Therapies on Platelet-related Prognostic Markers in Patients With Esophageal Cancer. Y. ISHIBASHI, H. TSUJIMOTO, K. KOUZU, Y. ITAZAKI, S. TSUCHIYA, S. FUJISHIMA, Y. YAGUCHI, H. SUGASAWA, S. NOMURA, N. ITO, M. HARADA, H. NAGATA, E. SHINTO, Y. KISHI, H. UENO ( <i>Saitama, Japan</i> ) .....	1941
Endometrial Dating Method Detects Individual Maturation Sequences During the Secretory Phase. J. ALFER, A. FATTAAHI, N. BLEISINGER, J. KRIEG, R. BEHRENS, R. DITTRICH, M.W. BECKMANN, A. HARTMANN, I. CLASSEN-LINKE, R.M. POPOVICI ( <i>Erlangen; Ravensburg; Amberg; Aachen; Munich, Germany; Tabriz, Iran</i> ) .....	1951
Histopathological Features and Ann Arbor Stage in Periocular Lymphoma. M. ZSCHOCHÉ, A. ZIMPFER, B.O. SCHEEF, A.M. JÜNEMANN, R.F. GUTHOFF, C. JUNGHANSS, G. HILDEBRANDT, S. EMMERT, A. ERBERSDOBLER, G. KUNDT, V. KAKKASSERY ( <i>Rostock; Luebeck, Germany</i> ) .....	1965
Prognostic Significance of Histological Subtype in Soft Tissue Sarcoma With Distant Metastasis. H. TSUCHIE, M. EMORI, N. MIYAKOSHI, H. NAGASAWA, K. OKADA, Y. MURAHASHI, E. MIZUSHIMA, J. SHIMIZU, T. YAMASHITA, Y. SHIMADA ( <i>Akita; Sapporo, Japan</i> ) .....	1975
Volume Delineation in Cervical Cancer With T2 and Diffusion-weighted MRI: Agreement on Volumes Between Observers. C. ROSA, A. DELLI PIZZI, A. AUGURIO, L. CARAVATTA, M. DI TOMMASO, E. MINCUZZI, S. CINALI, R. BASILICO, A. PORRECA, M. DI NICOLA, D. GENOVESI ( <i>Chieti, Italy</i> ) .....	1981

Laparoscopic Total Gastrectomy for Remnant Gastric Cancer: A Single-institution Experience and Systematic Literature Review. M. OTA, M. IKEBE, Y. SHIN, M. KAGAWA, Y. MANO, T. NAKANOKO, Y. NAKASHIMA, H. UEHARA, M. SUGIYAMA, T. IGUCHI, K. SUGIMACHI, M. YAMAMOTO, M. MORITA, Y. TOH ( <i>Fukuoka, Japan</i> ) .....	1987
Prognostic Impact of the Neoadjuvant Rectal Score as Compared With the Tumor Regression Grade and Yield Pathologic TNM Stage in Patients With Locally Advanced Rectal Cancer After Neoadjuvant Chemoradiotherapy. J.H. BAEK, D.W. BAEK, B.W. KANG, H.J. KIM, S.Y. PARK, J.S. PARK, G.S. CHOI, J.G. KIM ( <i>Daegu, Republic of Korea</i> ) .....	1993
Clinicopathological Features in Elderly ALK-rearranged Non-small Cell Lung Cancer Patients. K. MIYAZAKI, S. SATO, T. KODAMA, T. NUMATA, T. ENDO, Y. YAMAMOTO, K. SHIMIZU, H. YAMADA, K. HAYASHIHARA, S. OKAUCHI, H. SATOH, Y. YAMADA, T. TAMURA, K. SAITO, N. KIKUCHI, K. KURISHIMA, H. ISHIKAWA, H. WATANABE, T. SHIOZAWA, N. HIZAWA, Y. FUNAYAMA, S. HAYASHI, H. NAKAMURA, T. YAMASHITA ( <i>Ryugasaki; Mito; Hitachi; Hitachinaka; Tokai; Kasama; Tsuchiura; Tsukuba; Sakai; Ami-machi; Toride, Japan</i> ) .....	2001
High-dose Radiotherapy for Oligo-progressive NSCLC Receiving EGFR Tyrosine Kinase Inhibitors: Real World Data. M. SANTARPIA, G. ALTAVILLA, N. BORSELLINO, A. GIRLANDO, G. MANCUSO, S. PERGOLIZZI, D. PIAZZA, A. PONTORIERO, M.R. VALERIO, V. GEBBIA ( <i>Messina; Palermo; Catania, Italy</i> ) .....	2009
Occurrence of Residual Cancer Within Re-excisions After Subcutaneous Mastectomy of Invasive Breast Cancer and Ductal Carcinoma <i>In Situ</i> – A Retrospective Analysis. C. PAHMEYER, A. SCHABLACK, D. RATIU, F. THANGARAJAH, S. LUDWIG, B. GRUETTNER, P. MALLMANN, W. MALTER, M. WARM, C. EICHLER ( <i>Cologne, Germany</i> ) .....	2015
The Number of Harvested LNs Is an Independent Prognostic Factor in Lymph Node Metastasis-negative Patients Who Received Curative Esophagectomy. T. AOYAMA, Y. ATSUMI, S. KAWAHARA, H. TAMAGAWA, A. TAMAGAWA, Y. MAEZAWA, K. KANO, M. MURAKAWA, K. KAZAMA, M. NUMATA, T. OSHIMA, N. YUKAWA, M. MASUDA, Y. RINO ( <i>Yokohama; Tokyo, Japan</i> ) .....	2021
A Comparison of <sup>18</sup> F-FDG-PET/MRI and <sup>18</sup> F-FDG-PET/CT in the Cancer Staging of Locoregional Lymph Nodes. D. SLOUKA, J. KRCAL, T. KOSTLIVY, P. HRABACKA, A. SKALOVA, H. MIRKA, O. TOPOLCAN, R. KUCERA ( <i>Pilsen, Czech Republic</i> ) .....	2029
Implications of Low Serum Albumin as a Prognostic Factor of Long-term Outcomes in Patients With Breast Cancer. T. FUJII, S. TOKUDA, Y. NAKAZAWA, S. KUROZUMI, S. OBAYASHI, R. YAJIMA, K. SHIRABE ( <i>Gunma, Japan</i> ) .....	2033
Laparoscopic Treatment of a Hepatoduodenal Ligament Schwannoma With Infrared Indocyanine Green Fluorescence. K. TOMIOKA, T. AOKI, T. KOIZUMI, A. ELEWA, T. KUSANO, K. MATSUDA, K. NOGAKI, Y. TASHIRO, Y. WADA, T. HAKOZAKI, H. SHIBATA, T. HIRAI, T. YAMAZAKI, K. SAITO, Y. ENAMI, I. SUGIURA, Y. NAKAJIMA, J. ARAI, A. KAJIWARA, S. UOZUMI, Y. SHIMOZUMA, M. UCHIKOSHI, M. SAKAKI, H. YOSHIDA, S. MIURA, M. MURAKAMI ( <i>Tokyo, Japan; Cairo, Egypt</i> ) .....	2037
A Rare Case of Inflammatory Myofibroblastic Tumor of the Prostate and Review of the Literature. M.S. KIM, S.-C. LIM ( <i>Gwangju, Republic of Korea</i> ) .....	2043
Epidemiological Analysis of Zygomatic Bone Fractures in North-Western Romanian Population: A 10-Year Retrospective Study. P.A. ȚENT, R.-I. JUNCAR, M. JUNCAR ( <i>Oradea, Romania</i> ) .....	2049

Synchronous Bilateral Carcinoma of the Ureters. Report of a Case and a Short Discussion of the Literature. D. SIDIROPOULOS, F. KAPOGIANNIS, P. KRIPOURI, D. FILIPPOU, K. VLASSIS ( <i>Katerini; Athens, Greece</i> ).....	2057
Management of Peritoneal Carcinomatosis With Cytoreductive Surgery Combined With Intraperitoneal Chemohyperthermia at a Novel Italian Center. P. FAVIANA, L. BOLDRINI, B. MUSCO, M. FERRARI, A. GRECO, L. FORNARO, G. MASI, F. FORFORI, S. RICCI, A. BROGI, F. BASOLO, A. FALCONE, A. GADDUCCI, P.V. LIPPOLIS ( <i>Pisa, Italy</i> ) .....	2061
Hepatic Xanthogranuloma that Originated from a Liver Cyst and Mimicked a Malignant Tumor. E. ODA, T. BEPPU, K. KINOSHITA, K. YAMAMURA, N. SATO, H. YUKI, S. CHIYONAGA, T. MOTOHARA, Y. KOMOHARA, S. AKAHOSHI ( <i>Kumamoto, Japan</i> ) .....	2067
Radical Hysterectomy for Cervical Cancer in Patients With Uterine Prolapse. N. BACALBASA, I. HALMACIU, D. CRETOIU, C. BALALAU, C. DIACONU, L. ILIESCU, G. GORECKI, C. BOLCA, A. NEACSU, I. BALESCU ( <i>Bucharest; Târgu Mureş, Romania</i> ) .....	2073
Laparoscopic vs. Open Surgery for Stage II/III Colon Cancer Patients With Body Mass Index >25 kg/m <sup>2</sup> . K. KAZAMA, M. NUMATA, T. AOYAMA, A. ONODEARA, K. HARA, Y. ATSUMI, H. TAMAGAWA, T. GODAI, H. SAEKI, Y. SAUGUSA, H. OKAMOTO, M. SHIOZAWA, T. OSHIMA, N. YUKAWA, M. MASUDA, Y. RINO ( <i>Yokohama; Fujisawa, Japan</i> ) .....	2079
The Lymph Node Ratio Is an Independent Prognostic Factor in Esophageal Cancer Patients Who Receive Curative Surgery. N. YUKAWA, T. AOYAMA, H. TAMAGAWA, A. TAMAGAWA, Y. ATSUMI, S. KAWAHARA, Y. MAEZAWA, K. KANO, M. MURAKAWA, K. KAZAMA, M. NUMATA, T. OSHIMA, M. MASUDA, Y. RINO ( <i>Yokohama; Tokyo, Japan</i> ) .....	2087
Serum CEA and CYFRA Levels in ALK-rearranged NSCLC Patients: Correlation With Distant Metastasis. T. NUMATA, T. ENDO, H. YANAI, K. OTA, Y. YAMAMOTO, K. SHIMIZU, H. YAMADA, K. HAYASHIHARA, S. OKAUCHI, H. SATOH, Y. YAMADA, T. TAMURA, K. SAITO, N. KIKUCHI, K. KURISHIMA, H. ISHIKAWA, H. WATANABE, T. SHIOZAWA, N. HIZAWA, Y. FUNAYAMA, S. HAYASHI, H. NAKAMURA, T. YAMASHITA ( <i>Ibaraki-machi; Hitachi; Hitachinaka; Tokai; Mito; Kasama; Tsuchiura, Tsukuba; Sakai-machi; Ami-machi; Toride, Japan</i> ) .....	2095
Taller-than-wide Thyroid Nodules With Microcalcifications Are at High Risk of Malignancy. K.D. PAPAPOSTOLOU, C.C. EVANGELOPOULOU, I.A. IOANNIDIS, G.N. KASSI, K.S. MORFAS, N.I. KARAMINAS, H.J. KARGA ( <i>Athens, Greece</i> ) .....	2101
Correlation Between Demographic and Tumor Characteristics in Non-melanoma Skin Cancers Submitted to Mohs Micrographic Surgery. E.T.S. WEIMANN, C.M. BRANDÃO, L.R. TERZIAN, F.M. PASCHOAL, C.D.S. MACHADO FILHO, P.R. CRIADO ( <i>Boa Vista; Rio de Janeiro; Santo André, Brazil</i> ).....	2107
A Monocentric Retrospective Observational Study of Comorbidities in Patients Affected by Autoimmune Bullous Diseases. M. FERRANTI, G. GOBBO, G.T. CICOGNA, M. ALAIBAC ( <i>Padua, Italy</i> ) .....	2113
Microsatellite Instability Correlated Inflammatory Markers and their Prognostic Value in the Rectal Cancer Following Neoadjuvant Chemoradiotherapy: A Hypothesis-generating Study. J.H. LEE, B.-H. KANG, C. SONG, S.-B. KANG, H.S. LEE, K.-W. LEE, E.K. CHIE, J.-S. KIM ( <i>Seongnam; Seoul, Republic of Korea</i> ) .....	2119

Quantitative Assessment of Interim PET/CT Could Have More Prognostic Relevance than Visual Assessment for Predicting Clinical Outcome of Extranodal Diffuse Large B Cell Lymphoma. D.W. BAEK, H.J. CHO, J.-H. KIM, S.K. SOHN, G.-Y. SONG, S.-Y. AHN, S.-H. JUNG, J.S. AHN, J.-J. LEE, H.-J. KIM, S.-Y. JEONG, C.M. HONG, J.-J. MIN, J.-H. MOON, D.-H. YANG ( <i>Daegu; Hwasun, Republic of Korea</i> ) .....	2127
Azygos Vein Aneurysm Mimicking a Mediastinal Mass. C. SAVU, A. MELINTE, I. BADESCU, N. BACALBASA ( <i>Bucharest, Romania</i> ).....	2135
Squamous Cell Carcinoma from Abscessed, Mature Cystic Ovarian Teratoma – A Case Report and Literature Review. N. BACALBASA, D. CRETOIU, I. HALMACIU, C. DIACONU, L. ILIESCU, S. DIMA, A. NEACSU, C. BALALAU, O.G. BRATU, I. BADESCU ( <i>Bucharest; Târgu Mureş, Romania</i> ).....	2141
Endometriosis-associated Clear Cell Carcinoma of the Abdominal Wall After Caesarean Section: A Case Report and Review of the Literature. L. GIANNELLA, M. SERRI, E. MACCARONI, J. DI GIUSEPPE, G. DELLI CARPINI, R. BERARDI, F. SOPRACORDEVOLE, A. CIAVATTINI ( <i>Ancona; Aviano, Italy</i> ) .....	2147
Vietnamese Case Series of Hirayama Disease. N.D. HUNG, N.M. DUC, N.T. VAN, L.T. DUNG, H.D. HA, N.D. HUE ( <i>Hanoi; Ho Chi Minh City; Hai Phong City, Vietnam</i> ) .....	2153
A Case of Metastatic Iris Tumor Observed With Anterior Segment Optical Coherence Tomography Before and After Radiation Therapy. M. MITAMURA, S. KASE, Y. SUIMON, T. ITO, S. ISHIDA ( <i>Sapporo, Japan</i> ).....	2159
Laparoscopic-assisted Esophageal Bypass for T4b Esophageal Tumor as a Bridge to Definitive Therapy. S. DAVAKIS, A. SYLLAIOS, E. MPAILI, T. LIAKAKOS, A. CHARALABOPOULOS ( <i>Athens, Greece; Chelmsford, UK</i> ) .....	2163
Successful Management of Esophageal Cancer With Perforation Using Bypass Surgery Followed by Definitive Chemoradiotherapy. M. OHSAWA, Y. HAMAI, Y. IBUKI, M. EMI, M. OKADA ( <i>Hiroshima, Japan</i> ).....	2169
Hysterectomy for Recurrent/Residual Cervical Cancer Following Definitive Radiotherapy. T. NAKASONE, Y. TAIRA, Y. SHIMOJI, Y. ARAKAKI, T. NAKAMOTO, T. Ooyama, W. KUDAKA, I. KANESHIMA, K. NISHIHARA, K. MEKARU, Y. AOKI ( <i>Okinawa, Japan</i> ).....	2173
Pleural Neutrophil-to-Lymphocyte Ratio May Be Associated With Early Disease Progression in Stage IV Non-small Cell Lung Cancer. J.U. LIM, C.D. YEO, H.W. KIM, H.S. KANG, C.K. PARK, J.S. KIM, J.W. KIM, S.J. KIM, S.H. LEE ( <i>Seoul, Republic of Korea</i> ).....	2179
The Influence of “Omental Cake” Presence on the Completeness of Cytoreduction in Advanced-stage Ovarian Cancer. N. BACALBASA, C. DIACONU, L. ILIESCU, C. SAVU, O.G. BRATU, C. BOLCA, D. CRETOIU, A. FILIPESCU, S. DIMA, C. BALALAU, I. BADESCU ( <i>Bucharest, Romania</i> ).....	2187

## Number 5, September-October

### Reviews

Cutaneous Stomal Recurrence of Colorectal Cancer After Curative Rectal Cancer Surgery – A Case Report and Systematic Review. S. DAVEY, K. MCCARTHY ( <i>Bristol, UK</i> ).....	2193
--	------

Postoperative Admission in Critical Care Units Following Gynecologic Oncology Surgery: Outcomes Based on a Systematic Review and Authors' Recommendations. N. THOMAKOS, A. PRODROMIDOU, D. HAIDOPOULOS, N. MACHAIRAS, A. RODOLAKIS ( <i>Athens, Greece</i> ).....	2201
Prognostic Value of CD63 Expression in Solid Tumors: A Meta-analysis of the Literature. H.M. KOH, B.G. JANG, D.C. KIM ( <i>Changwon; Jeju; Jinju, Republic of Korea</i> ).....	2209
Nuchal-type Fibroma: Single-Center Experience and Systematic Literature Review. I.D. KOSTAKIS, T. FERETIS, C. DAMASKOS, N. GARMPIS, G. LIAPIS, I. PATERAS, A. GARMPI, V.E. GEORGAKOPOULOU, E.A. ANTONIOU ( <i>London, UK; Athens, Greece</i> ).....	2217
Malignant Priapism – What Do We Know About It? D. MARCU, L. IORGA, D. MISCHIANU, N. BACALBASA, I. BADESCU, O. BRATU ( <i>Bucharest, Romania</i> ) .....	2225
Review of the Literature on Leiomyoma and Leiomyosarcoma of the Adrenal Gland: A Systematic Analysis of Case Reports. M. SAKELLARIOU, D. DELLAPORTAS, M. PEPPA, D. SCHIZAS, E. PIKOULIS, K. NASTOS ( <i>Athens, Greece</i> ).....	2233
Maxillary Ameloblastoma: A Review With Clinical, Histological and Prognostic Data of a Rare Tumor. Z. EVANGELOU, A. ZARACHI, J.M. DUMOLLARD, M. PEOC'H, I. KOMNOS, I. KASTANIOUDAKIS, G. KARPATHIOU ( <i>Ioannina, Greece; Saint-Etienne, France</i> ) .....	2249
<i>Experimental Studies</i>	
Knockout of TRPV1 Exacerbates Ischemia-reperfusion-induced Renal Inflammation and Injury in Obese Mice. B. ZHONG, S. MA, D.H. WANG ( <i>East Lansing, MI, USA</i> ) .....	2259
Reverse Transcriptase Affects Gametogenesis and Preimplantation Development in Mouse. C. KITSOU, L. LAZAROS, A. PAPOUDOU-BAI, P. SAKALOGLOU, E. MASTORA, T. LYKOVARDAKIS, K. GIAKA, G. VARTHOLOMATOS, I. BOUBA, S. MARKOULA, A. BATISTATOU, I. GEORGIOU ( <i>Ioannina; Athens, Greece</i> ).....	2269
Indocyanine Green Labels an Orthotopic Nude-Mouse Model of Very-Early Colon-Cancer Liver Metastases. Y. TASHIRO, H.M. HOLLANDSWORTH, H. NISHINO, J. YAMAMOTO, S. AMIRFAKHRI, F. FILEMONI, N. SUGISAWA, T. AOKI, M. MURAKAMI, R.M. HOFFMAN, M. BOUVET ( <i>San Diego, CA, USA; Tokyo, Japan</i> ).....	2277
Oral Methioninase Inhibits Recurrence in a PDOX Mouse Model of Aggressive Triple-negative Breast Cancer. H.I. LIM, K. HAMADA, J. YAMAMOTO, Q. HAN, Y. TAN, H.J. CHOI, S.J. NAM, M. BOUVET, R.M. HOFFMAN ( <i>San Diego, CA, USA; Changwon; Seoul, Republic of Korea</i> ) .....	2281
<i>In Vitro</i> and <i>In Vivo</i> Biocompatibility Analysis of a New Transparent Collagen-based Wound Membrane for Tissue Regeneration in Different Clinical Indications. O. JUNG, M. RADENKOVIC, S. STOJANOVIĆ, C. LINDNER, M. BATINIC, O. GÖRKE, J. PISSAREK, A. PRÖHL, S. NAJMAN, M. BARBECK ( <i>Rostock; Berlin, Germany; Niš, Serbia</i> ) .....	2287
Hepatocellular Carcinoma-associated microRNAs Induced by Hepatoma-derived Growth Factor Stimulation. H. ENOMOTO, H. NAKAMURA, H. NISHIKAWA, T. NISHIMURA, Y. IWATA, S. NISHIGUCHI, H. IIJIMA ( <i>Hyogo; Osaka, Japan</i> ) .....	2297
Humanized Fluorescent Tumor-associated Glycoprotein-72 Antibody Selectively Labels Colon-Cancer Liver Metastases in Orthotopic Mouse Models. H.M. HOLLANDSWORTH, H. NISHINO, M. TURNER, S. AMIRFAKHRI, F. FILEMONI, R.M. HOFFMAN, P.J. YAZAKI, M. BOUVET ( <i>San Diego; Duarte, CA, USA</i> ) .....	2303

---

An Improved Encapsulation Method for Cryopreserving Hepatocytes for Functional Transplantation Using a Thermo-reversible Gelation Polymer. K. YAMADA, T. AOKI, Y. ENAMI, Y. TASHIRO, Z. ZEHAOU, T. KOIZUMI, T. KUSANO, K. MATSUDA, Y. WADA, H. SHIBATA, K. TOMIOKA, K. SIRIRATSIVAWONG, R.M. HOFFMAN, M. MURAKAMI ( <i>Tokyo, Japan; San Diego, CA, USA</i> ).....	2309
Deep Sequencing Identified Dysregulated Circulating MicroRNAs in Late Onset Preeclampsia. D. MAVRELI, A. LYKOUDI, G. LAMBOU, G. PAPAIOANNOU, N. VRACHNIS, S. KALANTARIDOU, N. PAPANTONIOU, A. KOLIALEXI ( <i>Athens, Greece</i> ).....	2317
Ablation Precision and Thermal Effects of a Picosecond Infrared Laser (PIRL) on Roots of Human Teeth: A Pilot Study <i>Ex Vivo</i> . R.E. FRIEDRICH, M. QUADE, N. JOWETT, P. KROETZ, M. AMLING, F.K. KOHLRUSCH, J. ZUSTIN, M. GOSAU, H. SCHLÜTER, R.J.D. MILLER ( <i>Hamburg; Regensburg, Germany; Boston, MA, USA; Toronto, Canada</i> ) .....	2325
Effect of 7,12-Dimethylbenz(a)anthracene on the Expression of miR-330, miR-29a, miR-9-1, miR-9-3 and the mTORC1 Gene in CBA/Ca Mice. A. TOMESZ, L. SZABO, R. MOLNAR, A. DEUTSCH, R. DARAGO, D. MATHE, F. BUDAN, N. GHODRATOLLAH, T. VARJAS, B. NEMETH, I. KISS ( <i>Pécs; Budapest; Veszprém, Hungary</i> ) .....	2337
Oral Administration of Geranylgeraniol Rescues Denervation-induced Muscle Atrophy via Suppression of Atrogin-1. A. MIYAWAKI, T. ROJASAWASTHIEN, S. HITOMI, Y. AOKI, M. URATA, A. INOUE, T. MATSUBARA, K. MORIKAWA, M. HABU, K. TOMINAGA, S. KOKABU ( <i>Kitakyushu; Tokyo; Morioka, Japan</i> ).....	2345
Salivary <i>NUS1</i> and <i>RCN1</i> Levels as Biomarkers for Oral Squamous Cell Carcinoma Diagnosis. S. UEDA, K. HASHIMOTO, S. MIYABE, S. HASEGAWA, M. GOTO, D. SHIMIZU, I. OH-IWA, K. SHIMOZATO, T. NAGAO, S. NOMOTO ( <i>Nagoya, Japan</i> ) .....	2353
Expansion of Human Dental Pulp Cells <i>In Vitro</i> Under Different Cryopreservation Conditions. M. YAN, O.A. NADA, L. KLUWE, M. GOSAU, R. SMEETS, R.E. FRIEDRICH ( <i>Hamburg, Germany</i> )....	2363
Monte Carlo Modeling of the Agility MLC for IMRT and VMAT Calculations. S. OHIRA, H. TAKEGAWA, M. MIYAZAKI, M. KOIZUMI, T. TESHIMA ( <i>Osaka, Japan</i> ) .....	2371
Huaier Extract Induces Apoptosis in Hepatoblastoma Cells Via the MEK/ERK Signaling Pathway. D.-Q. XU, X.-J. YUAN, M. HIRAYAMA, H. TOYODA ( <i>Shanghai, PR China; Mie, Japan</i> ).....	2381
Interval Vibration Reduces Orthodontic Pain Via a Mechanism Involving Down-regulation of TRPV1 and CGRP. P. THAMMANICHANON, A. KAEWPITAK, T. BINLATEH, C. LEETHANAKUL ( <i>Hat Yai, Thailand</i> ) .....	2389
A Relationship Between Cervical Vertebrae Twisting and Cranial Angle in Head and Neck Radiotherapy. T. AOYAMA, H. SHIMIZU, K. SASAKI, M. ANDO, N. KANEDA, H. TACHIBANA, K. SUZUKI, T. KODAIRA ( <i>Nagoya; Nagakute; Maebashi; Aichi, Japan</i> ) .....	2401
ERK/AKT Inactivation and Apoptosis Induction Associate With Quetiapine-inhibited Cell Survival and Invasion in Hepatocellular Carcinoma Cells. Y.-J. LEE, J.-G. CHUNG, Z.-L. TAN, F.-T. HSU, Y.-C. LIU, S.-S. LIN ( <i>Kaohsiung; Taichung; Changhua, Taiwan, ROC</i> ) .....	2407
Extended Stability of Reconstituted Lyophilized <i>Erwinia</i> L-asparaginase in Vials. M.M. VIÑA-ROMERO, R. RAMOS-DIAZ, I. MOURANI-PADRON, H. GONZALEZ-MENDEZ, M. GONZALEZ-CRUZ, G.J. NAZCO-CASARIEGO, J.F. MERINO-ALONSO, J. DIAZ-VERA, F. GUTIÉRREZ-NICOLÁS ( <i>Santa Cruz de Tenerife; La Laguna, Tenerife, Spain</i> ).....	2419

Impact of Deserosalization on Small Bowel Anastomosis Healing in Swine: A Pilot Study. G.-Z. VRAKOPPOULOU, K.G. TOUTOUZAS, P. GIANNIOS, S.-G. PANOUSOPOULOS, C. THEODOROPOULOS, E. DANAS, A. LIAKEA, A.E. PAPALOIS, G. ZOGRAFOS, A. LARENTZAKIS ( <i>Athens; Pikermi, Greece; Barcelona, Spain; Nicosia, Cyprus</i> ).....	2423
Evaluation of Renal Function in Obstructed Ureter Model Using $^{99m}$ Tc-DMSA. S.J. JANG, B.S. CHOI, S.H. CHOI ( <i>Cheongju, Republic of Korea</i> ).....	2431
Expression of Ascorbate Peroxidase Derived from <i>Cyanidioschyzon merolae</i> in Mammalian Cells. S. HITOMI, S. KOKABU, K.-I. MATSUMOTO, Y. SHOJI, I. UJIHARA, K. ONO ( <i>Fukuoka; Kitakyushu; Chiba, Japan</i> ) .....	2437
The Role of SNPs in <i>IL1RL1</i> and <i>IL1RAP</i> Genes in Age-related Macular Degeneration Development and Treatment Efficacy. A. VILKEVICIUTE, N. BASTIKAITYTE, R. MOCKUTE, D. CEBATORIENE, L. KRIAUCIUNIENE, J. BALCIUNIENE, R. ZEMAITIENE, R. LIUTKEVICIENE ( <i>Kaunas, Lithuania</i> ) .....	2443
The Effect of Rutin on Experimental Traumatic Brain Injury and Edema in Rats. S. YUCELI, G.N. YAZICI, R. MAMMADOV, H. SULEYMAN, M. KAYA, S. OZDOGAN ( <i>Erzincan; Sakarya; Istanbul, Turkey</i> ) .....	2453
Casticin Inhibits <i>In Vivo</i> Growth of Xenograft Tumors of Human Oral Cancer SCC-4 Cells. H.-S. SHANG, K.-W. CHEN, J.-S. CHOU, S.-F. PENG, Y.-L. CHEN, P.-Y. CHEN, H.-C. HUANG, H.-F. LU, H.-Y. CHANG, Y.-L. SHIH, W.-W. HUANG ( <i>Taipei; Taichung; Hsinchu; New Taipei, Taiwan, ROC</i> ) .....	2461
Demethoxycurcumin Inhibits <i>In Vivo</i> Growth of Xenograft Tumors of Human Cervical Cancer Cells. F.-S. CHUEH, J.-C. LIEN, Y.-C. CHOU, W.-W. HUANG, Y.-P. HUANG, J.-Y. HUANG, J.-Y. KUO, W.-N. HUANG, S.-Y. SHENG, H.-Y. TUNG, H.-Y. CHEN, S.-F. PENG ( <i>Taichung; Taipei; Yunlin, Taiwan, ROC</i> ) .....	2469
The Effects of Ascorbic Acid and U-74389G on Renal Ischemia-Reperfusion Injury in a Rat Model. C.G. ZOGRAFOS, D. CHRYSIKOS, T. PITTRAS, V. KARAMPELIAS, A. CHAIRAKAKIS, A. GALANOS, I. SFINIADAKIS, E. FELEKOURAS, G.C. ZOGRAFOS, M. SIDERIS, K. PAPADOPPOULOU, A.E. PAPALOIS ( <i>Athens; Patras, Greece; London, UK; Nicosia, Cyprus</i> ).....	2475
Role of Leptin in Neoplastic and Biliary Tree Disease. P. IZZO, S. IZZO, P. DI CELLO, G. D'AMATA, M. CARDI, A. POLISTENA, D. MESSINEO, L. IZZO ( <i>Rome; Naples; Frosinone, Italy</i> ) .....	2485
High Paip1 Expression as a Potential Prognostic Marker in Hepatocellular Carcinoma. H. KIM, W. JUNG, A. KIM, H.K. KIM, B.-H. KIM ( <i>Seoul; Yongin, Republic of Korea</i> ).....	2491
Do <i>TRIB1</i> and <i>IL-9</i> Gene Polymorphisms Impact the Development and Manifestation of Pituitary Adenoma? T. MICKEVICIUS, A. VILKEVICIUTE, B. GLEBAUSKIENE, L. KRIAUCIUNIENE, R. LIUTKEVICIENE ( <i>Kaunas, Lithuania</i> ) .....	2499
Hydrogen Sulphide and Nitric Oxide Cooperate in Cardioprotection Against Ischemia/Reperfusion Injury in Isolated Rat Heart. S. USTUNOVA, S. TAKIR, N. YILMAZER, H. BULUT, D. ALTINDIREK, O. HATIRNAZ NG, C. DEMIRCI TANSEL, B.S. UYDES DOGAN, U. OZBEK, E.I. ARMUTAK, E.G. GUREVIN ( <i>Istanbul; Giresun; Tekirdag, Turkey</i> ) .....	2507

*Clinical Studies*

Hip Arthroplasty Following Subtotal Sacrectomy for Chordoma. M.R. CLAXTON, M.B. SHIRLEY, J.D. JOHNSON, K.I. PERRY, P.S. ROSE, M.T. HOUDEK ( <i>Rochester, MN, USA</i> ) .....	2517
Fluoroscopic Intraoperative Images Produce Higher Image Quality and Decrease Total Radiation Exposure Compared to Radiographic X-ray Images in Patients After Primary Total Knee Arthroplasty. T. GRAULICH, J. GERHARDY, M. ÖRGEL, T. OMAR-PACHA, M. OMAR, C. KRETTEK, D. GUENTHER ( <i>Hannover; Cologne, Germany</i> ) .....	2521
Lingual Mandibular Bone Depression. R.E. FRIEDRICH, E. BARSUKOV, F.K. KOHLRUSCH, J. ZUSTIN, C. HAGEL, U. SPETH, T. VOLLKOMMER, M. GOSAU ( <i>Hamburg; Regensburg, Germany</i> ) .....	2527
Arteriovenous Loops Enable Free Tissue Transfer With Otherwise Inadequate Local Donor and Recipient Vessels. M. TREMP, C.M. ORANGES, T. WOLFF, M. BARANDUN, I. FULCO, H. ECKARDT, D.J. SCHAEFER, D.F. KALBERMATTEN ( <i>Basel, Switzerland</i> ) .....	2543
Sarcopenia and Frailty in Chronic Liver Damage: Common and Different Points. H. NISHIKAWA, K. YOH, H. ENOMOTO, Y. IWATA, Y. SAKAI, K. KISHINO, Y. SHIMONO, N. IKEDA, T. TAKASHIMA, N. AIZAWA, R. TAKATA, K. HASEGAWA, T. KORIYAMA, Y. YURI, T. NISHIMURA, S. NISHIGUCHI, H. IIJIMA ( <i>Nishinomiya; Osaka, Japan</i> ) .....	2549
Calf Circumference as a Useful Predictor of Sarcopenia in Patients With Liver Diseases. H. NISHIKAWA, K. YOH, H. ENOMOTO, Y. IWATA, Y. SAKAI, K. KISHINO, Y. SHIMONO, N. IKEDA, T. TAKASHIMA, N. AIZAWA, R. TAKATA, K. HASEGAWA, T. KORIYAMA, Y. YURI, T. NISHIMURA, S. NISHIGUCHI, H. IIJIMA ( <i>Nishinomiya; Osaka, Japan</i> ) .....	2561
Older Age Is Associated With Better Compliance With Follow-up in Taiwan After Functional Endoscopic Sinus Surgery. T. TSAI, L.-C. SHIH, I.T. LEE, T.-Y. NG, J.-Y. WANG, C.-L. HSU, D.-T. BAU, C.-J. TAI ( <i>Taichung, Taiwan, ROC; Stanford, CA, USA</i> ) .....	2571
Tau, S100B and NSE as Blood Biomarkers in Acute Cerebrovascular Events. J. ONATSU, R. VANNINEN, P. JÄKÄLÄ, P. MUSTONEN, K. PULKKI, M. KORHONEN, M. HEDMAN, K. HÖGLUND, K. BLENNOW, H. ZETTERBERG, S.-K. HERUKKA, M. TAINA ( <i>Kuopio; Jyväskylä, Finland; Mölndal, Sweden; London, UK</i> ) .....	2577
Intensity-modulated Radiation Therapy for Lymph Node Oligo-recurrence. A. SATO, M. OMURA, Y. MINAGAWA, K. MATSUI, R. SHIRATA, H. HONGO, H. HASHIMOTO, T. MISUMI, T. INOUE, M. HATA ( <i>Kamakura; Yokohama; Fujisawa, Japan</i> ) .....	2587
Biomarker Analyses in Patients With Advanced Solid Tumors Treated With the LAT1 Inhibitor JPH203. N. OKANO, K. HANA, D. NARUGE, K. KAWAI, T. KOBAYASHI, F. NAGASHIMA, H. ENDOU, J. FURUSE ( <i>Tokyo; Kanagawa, Japan</i> ) .....	2595
Anatomical Versus Non-anatomical Resection for Hepatocellular Carcinoma, a Propensity-matched Analysis Between Taiwanese and Japanese Patients. S.-W. HUANG, P.-Y. CHU, S. ARIIZUMI, C.C.-W. LIN, H.P. WONG, D.-A. CHOU, M.-T. LEE, H.-J. WU, M. YAMAMOTO ( <i>Changhua; New Taipei City; Taipei; Taichung, Taiwan, ROC; Tokyo, Japan</i> ) .....	2607
Clinicopathological Characteristics of Squamous Cell Carcinoma and High-grade Squamous Intraepithelial Lesions Involving Endocervical Polyps. C.K. PARK, Y.-W. KIM, H.H. KOH, N. YOON, G.E. BAE, H.-S. KIM ( <i>Seoul; Incheon; Daejeon, Republic of Korea</i> ) .....	2613

---

Effects of Alkalization Therapy on Chemotherapy Outcomes in Advanced Pancreatic Cancer: A Retrospective Case-Control Study. R. HAMAGUCHI, T. ITO, R. NARUI, H. MORIKAWA, S. UEMOTO, H. WADA ( <i>Kyoto, Japan</i> ).....	2623
Prognostic and Clinical Implications of WNK Lysine Deficient Protein Kinase 1 Expression in Patients With Hepatocellular Carcinoma. Y.-J. HO, J. CHANG, K.-T. YEH, Z. GONG, Y.-M. LIN, J.-W. LU ( <i>Taipei; Changhua; Taichung, Taiwan, ROC; Singapore, Singapore</i> ).....	2631
VEGF-A Is Associated With the Degree of TILs and PD-L1 Expression in Primary Breast Cancer. T. FUJII, T. HIRAKATA, S. KUROZUMI, S. TOKUDA, Y. NAKAZAWA, S. OBAYASHI, R. YAJIMA, T. OYAMA, K. SHIRABE ( <i>Gunma, Japan</i> ).....	2641
Association Between Immune-related Adverse Events and Clinical Outcome Following Nivolumab Treatment in Patients With Metastatic Renal Cell Carcinoma. K. KOBAYASHI, Y. IIKURA, M. HIRAIKE, T. YOKOKAWA, T. AOYAMA, S. SHIKIBU, K. HASHIMOTO, K. SUZUKI, H. SATO, E. SUGIYAMA, M. TAJIMA, T. HAMA ( <i>Tokyo, Japan</i> ) .....	2647
Weekly Cetuximab and Paclitaxel for Recurrent or Metastatic Head and Neck Squamous Cell Carcinoma. C. FUSHIMI, D. BABA, T. MASUBUCHI, M. YAMAZAKI, Y. KITANI, T. KITAJIMA, J. TANAKA, K. HANYU, N. TANAKA, K. MIURA, Y. TADA ( <i>Tokyo, Japan</i> ) .....	2653
Functional and Radiological Assessment After Preservation Rhinoplasty – A Clinical Study. G. STERGIOU, M. TREMP, V. FINOCCHI, Y. SABAN ( <i>Zurich; Basel, Switzerland; Rome, Italy; Nice, France</i> ) .....	2659
Prognostic Role of the Platelet-to-Lymphocyte Ratio for Patients With Metastatic Colorectal Cancer Treated With Aflibercept. A. MATSUDA, T. YAMADA, S. MATSUMOTO, S. SHINJI, R. OHTA, H. SONODA, E. SHINOZUKA, K. SEKIGUCHI, H. SUZUKI, H. YOSHIDA ( <i>Inzai; Tokyo, Japan</i> ) .....	2667
Long-term Results of Surgery for Colorectal Liver Metastases in Terms of Primary Tumour Location and Clinical Risk Factors. V. TRESKA, M. SKALA, K. PROCHAZKOVA, A. SVEJDHOVA, T. PETRAKOVA, J. SEBEK, I. RIHA, J. ROSENDORF, R. POLAK, T. SKALICKY, V. LISKA ( <i>Pilsen, Czech Republic</i> ) .....	2675
Metronomic Oral Vinorelbine: An Alternative Schedule in Elderly and Patients PS2 With Local/Advanced and Metastatic NSCLC Not Oncogene-addicted. D. ROSSI, P. LIPPE, M.B.L. ROCCHI, D. SARTI, V. CATALANO, F. GRAZIANO, P. GIORDANI, A. BALDELLI, S.L. FEDELI, L. IMPERATORI, G. LAICI, C. CAPPELLETTI, T. TAMBURRANO, R. BRACCI, P. ALESSANDRONI ( <i>Pesaro; Urbino, Italy</i> ) .....	2687
Preliminary Report: Asymmetric Crypt Fission in Biopsies from Patients With Ulcerative Colitis. C.A. RUBIO, P.T. SCHMIDT ( <i>Stockholm, Sweden</i> ) .....	2693
The Short- and Long-term Outcomes of Gastrectomy in Elderly Patients With Gastric Cancer. K. KOMORI, K. KANO, T. AOYAMA, I. HASHIMOTO, K. HARA, M. MURAKAWA, Y. ATSUMI, Y. MAEZAWA, K. KAZAMA, M. NUMATA, H. TAMAGAWA, N. YUKAWA, T. OSHIMA, M. MASUDA, Y. RINO ( <i>Yokohama, Japan</i> ) .....	2697
Pre-operative Seizures in Patients With Single Brain Metastasis Treated With Resection Plus Whole-Brain Irradiation and a Boost. D. RADES, J. WITTELER, T.W. KJAER, S. TVILSTED, S.E. SCHILD ( <i>Löbeck, Germany; Roskilde; Koege, Denmark; Scottsdale, AZ, USA</i> ) .....	2705
Lung Cancer: A Nationwide Study to Characterize Sex Differences, Incidence, and Spatial Patterns in Portugal. T. GUERREIRO, L. ANTUNES, J. BASTOS, A. MAYER, G. FORJAZ, A. ARAUJO, C. NUNES ( <i>Lisbon; Porto; Coimbra; Azores, Portugal; Rockville, MD, USA</i> ) .....	2711

---

Computed Tomography of Lymph Node Metastasis Before and After Radiation Therapy: Correlations With Residual Tumour. N. ISHIBASHI, T. MAEBAYASHI, H. NISHIMAKI, M. OKADA ( <i>Tokyo, Japan</i> ).....	2721
Pre-Treatment Seizures in Patients With 1-3 Cerebral Metastases Receiving Local Therapies Plus Whole-brain Radiotherapy. J. WITTELER, T.W. KJAER, S. TVILSTED, S.E. SCHILD, D. RADES ( <i>Lübeck, Germany; Roskilde; Koege, Denmark; Scottsdale, AZ, USA</i> ) .....	2727
Scalp Lesions Referred For Surgical Procedures: Single-Center 5-year Experience in Southwestern Poland. I. CHLEBICKA, A.A. STEFANIAK, A. GAWDZIK, A. RYGAŁ, Ł. MATUSIAK, J.C. SZEPIETOWSKI ( <i>Wrocław, Poland</i> ) .....	2733
Long-term Outcomes of Cervical Adenocarcinoma Treated With Concurrent Chemoradiotherapy Using Paclitaxel and Cisplatin. Y. ARAKAKI, T. ARIGA, J. HEIANNA, Y. SHIMOJI, T. NAKASONE, Y. TAIRA, T. NAKAMOTO, T. Ooyama, W. KUDAKA, I. KANESHIMA, K. NISHIHIRA, K. MEKARU, Y. AOKI ( <i>Okinawa, Japan</i> ).....	2739
Impact of Acridine Orange in Patients With Local Recurrent Soft Tissue Sarcoma. H. TSUCHIE, M. EMORI, N. MIYAKOSHI, K. OKADA, H. NAGASAWA, Y. MURAHASHI, E. MIZUSHIMA, J. SHIMIZU, T. YAMASHITA, Y. SHIMADA ( <i>Akita; Sapporo, Japan</i> ) .....	2745
Rare Case of Renal-type Clear Cell Carcinoma of the Prostate and Review of the Literature. S.I. HAN, S.-C. LIM ( <i>Gwangju, Republic of Korea</i> ) .....	2751
Subtotal Colectomy as Part of Debulking Surgery for Advanced-stage Ovarian Cancer. N. BACALBASA, C. DIACONU, L. ILIESCU, S. DIMA, O.G. BRATU, D. CRETOIU, A. NEACSU, A. FILIPESCU, C. SAVU, I. BALESCU ( <i>Bucharest, Romania</i> ) .....	2757
Combination of 1 <sup>st</sup> and 2 <sup>nd</sup> Week Dosing of Glass Yttrium-90 Microspheres for Superselective Radioembolization. H.-C. KIM, M. LEE, J.-H. LEE, J.C. PAENG, Y.J. KIM, J.W. CHUNG ( <i>Seoul, Republic of Korea</i> ) .....	2763
Comparison of Three Fractionation Schedules in Radiotherapy for Early Glottic Squamous Cell Carcinoma. G. SUZUKI, H. YAMAZAKI, N. AIBE, K. MASUI, D. SHIMIZU, T. KIMOTO, T. NISHIMURA, K. KAWABATA, S. NAGASAWA, K. MACHIDA, Y. YOSHINO, S. WATANABE, Y. SUGIYAMA, A. ARAI, S. HIRANO, K. YAMADA ( <i>Kyoto, Japan</i> ) .....	2769
Patterns of Expression of H2S-Producing Enzyme in Human Renal Cell Carcinoma Specimens: Potential Avenue for Future Therapeutics. E. SOGUTDELEN, K. PACOLI, S. JURIASINGANI, M. AKBARI, M. GABRIL, A. SENER ( <i>Bolu, Turkey; London, ON, Canada</i> ) .....	2775
The Clinical Impact of the Age-adjusted Charlson Comorbidity Index on Esophageal Cancer Patients Who Receive Curative Treatment. T. AOYAMA, Y. ATSUMI, S. KAWAHARA, H. TAMAGAWA, A. TAMAGAWA, Y. OZAWA, Y. MAEZAWA, K. KANO, M. MURAKAWA, K. KAZAMA, K. SEGAMI, K. HARA, M. NUMATA, T. OSHIMA, N. YUKAWA, M. MASUDA, Y. RINO ( <i>Yokohama; Miura, Japan</i> )....	2783
Pancreatectomy With Arterial and Portal Vein Reconstruction for Locally Advanced Pancreatic Cancer – A Case Report and Literature Review. V. BRASOVEANU, D. ROMANESCU, I. BARBU, I. BALESCU, N. BACALBASA ( <i>Bucharest, Romania</i> ) .....	2791
A Comparison of Open and Laparoscopic-assisted Colectomy for Obstructive Colon Cancer. H. TAMAGAWA, T. AOYAMA, M. NUMATA, K. KAZAMA, Y. MAEZAWA, Y. ATSUMI, K. HARA, S. KAWAHARA, K. KANO, N. YUKAWA, H. SAEKI, T. GODAI, Y. RINO, M. MASUDA ( <i>Yokohama; Fujisawa, Japan</i> ).....	2797

Predicting Postoperative Events in Patients With Gastric Cancer: A Comparison of Five Nutrition Assessment Tools. S.-W. HSUEH, K.-H. LIU, C.-Y. HUNG, C.-Y. TSAI, J.-T. HSU, N.-M. TSANG, W.H. HSUEH, C. YANG, W.-C. CHOU ( <i>Keelung; Taoyuan; Taipei; New Taipei City, Taiwan, ROC</i> ) .....	2803
Association Between <i>M235T-AGT</i> and <i>I/D-ACE</i> Polymorphisms and Carotid Atheromatosis in Hypertensive Patients: A Cross-sectional Study. O. MOCAN, D. RADULESCU, E. BUZDUGAN, A. COZMA, D.C. LEUCUTA, L.M. PROCOPCIUC ( <i>Cluj-Napoca, Romania</i> ) .....	2811
Safety and Effectiveness of Ixazomib Dose-escalating Strategy in Ixazomib-Lenalidomide-Dexamethasone Treatment for Relapsed/Refractory Multiple Myeloma. Y. OHASHI, M. YATABE, D. NIJIMA, K. TANI, C. OGAWA, Y. YACHI, T. KAGO, S. BOKU, H. UENO, T. YANO, K. HIGAI, A. YOKOYAMA ( <i>Tokyo; Chiba, Japan</i> ) .....	2821
Serum High-Sensitive C-reactive Protein May Reflect Periodontitis in Patients With Stroke. H. TUOMINEN, M. TAINA, M. PURANEN, J. ONATSU, S. HUUMONEN, R. VANNINEN ( <i>Kuopio, Finland</i> ) .....	2829
Surgical Outcomes Following Early Drain Removal After Distal Pancreatectomy in Elderly Patients. T. SAKAMOTO, Y. YAGYU, E. UCHINAKA, T. HANAKI, K. MIYATANI, K. KIHARA, M. YAMAMOTO, T. MATSUNAGA, N. TOKUYASU, S. HONJO, Y. FUJIWARA ( <i>Yonago, Japan</i> ) .....	2837
Prognostic Impact of Coagulation Activity in Patients Undergoing Curative Resection for Pancreatic Ductal Adenocarcinoma. K. MATSUMURA, H. HAYASHI, N. UEMURA, L. ZHAO, T. HIGASHI, T. YAMAO, F. KITAMURA, Y. NAKAO, T. YUSA, R. ITOYAMA, K. IMAI, Y.-I. YAMASHITA, H. BABA ( <i>Kumamoto, Japan</i> ) .....	2845
Assessment of Systemic Inflammatory Response and Nutritional Markers in Patients With Trastuzumab-treated Unresectable Advanced Gastric Cancer. T. NAMIKAWA, M. MAEDA, K. YOKOTA, N. TANIOKA, I. FUKUDOME, J. IWABU, M. MUNEKAGE, S. UEMURA, H. MAEDA, H. KITAGAWA, M. KOBAYASHI, K. HANAZAKI ( <i>Kochi, Japan</i> ) .....	2851
Neutrophil-to-Lymphocyte Ratio as a Prognostic Marker for Anaplastic Thyroid Cancer Treated With Lenvatinib. N. FUKUDA, K. TODA, Y. FUJIWARA, X. WANG, A. OHMOTO, T. URASAKI, N. HAYASHI, Y. SATO, K. NAKANO, M. YUNOKAWA, M. ONO, J. TOMOMATSU, H. MITANI, S. TAKAHASHI ( <i>Tokyo, Japan</i> ) .....	2859
Prediction of Results of Radiotherapy With Ku70 Expression and an Artificial Neural Network. T. HASEGAWA, M. SOMEYA, M. HORI, T. TSUCHIYA, Y. FUKUSHIMA, Y. MATSUMOTO, K.-I. SAKATA ( <i>Sapporo; Tokyo, Japan</i> ) .....	2865
Impact of Body Composition in Overweight and Obese Patients With Localised Renal Cell Carcinoma. T. DARBAS, G. FORESTIER, S. LEOBON, J. PESTRE, P. JESUS, D. LACHATRE, N. TUBIANA-MATHIEU, A. DESCAZEAUD, E. DELUCHE ( <i>Limoges, France</i> ) .....	2873
Proton Therapy for Primary Renal Cell Carcinoma: The First Nationwide Retrospective Study in Japan. N. FUKUMITSU, H. ISHIKAWA, T. ARIMURA, H. WADA, T. OKIMOTO, Y. SATO, H. IWATA, S. SHIMIZU, H. SAKURAI ( <i>Hyogo; Ibaraki; Chiba; Kagoshima; Fukushima; Fukui; Aichi, Japan</i> ) .....	2883
Prediction of Therapeutic Effects from One Course of TPF Chemotherapy for Advanced Hypopharyngeal Laryngeal Cancer. R. MARUYAMA, I. OKAMOTO, H. SATO, Y. KATSUBE, T. KONDO, K. TSUKAHARA ( <i>Tokyo, Japan</i> ) .....	2891

---

Improvement in Left Cardiac Function Following Mitral Valve Repair: Analyses Based on Cardiac Magnetic Resonance Imaging. Y. HAYATA, N. SAWABATA, T. ABE, T. HIROSE, K. YAMASHITA, S. HIRAGA, R. FUKUBA, J. TAKEMURA, T. NAKANO, Y. SAITO, S. TANIGUCHI ( <i>Kashihara, Japan</i> ) .....	2897
Cytoplasmic CK1 $\epsilon$ Protein Expression Is Correlated With Distant Metastasis and Survival in Patients With Melanoma. J.-W. LU, S.-H. LIN, C.-M. YEH, K.-T. YEH, L.-R. HUANG, C.-Y. CHEN, Y.-M. LIN ( <i>Singapore, Singapore; Changhua; Taichung; Miaoli, Taiwan, ROC</i> ) .....	2905
The Influence of the Metabolic Syndrome on Early Postoperative Outcomes of Patients With Advanced-stage Endometrial Cancer. N. BACALBASA, C. DIACONU, L. ILIESCU, C. SAVU, C. SAVU, C. BALALAU, M. DIMITRIU, A. FILIPESCU, O.G. BRATU, A. NEACSU, D. CRETOIU, I. HALMACIU, I. BALESCU ( <i>Bucharest; Târgu Mureş, Romania</i> ) .....	2913
Pros and Cons of Portal Vein Embolization With Hematopoietic Stem Cells Application in Colorectal Liver Metastases Surgery. V. TRESKA, J. BRUHA, V. LISKA, J. FICHTL, K. PROCHAZKOVA, T. PETRAKOVA, P. HOSEK ( <i>Pilsen, Czech Republic</i> ) .....	2919
Evidence of Common Pathophysiology Between Stress and Urgency Urinary Incontinence in Women. W. JÄGER, S. LUDWIG, E. NEUMANN, P. MALLMANN ( <i>Cologne, Germany</i> ) .....	2927
Laparoscopic Total Gastrectomy for Gastric Cancer in Elderly Patients. H. SUEMATSU, C. KUNISAKI, H. MIYAMATO, K. SATO, S. SATO, Y. TANAKA, N. YUKAWA, Y. RINO, T. KOSAKA, H. AKIYAMA, I. ENDO, M. MASUDA ( <i>Yokohama, Japan</i> ) .....	2933
Serum Exosomal miRNA-1915-3p Is Correlated With Disease Activity of Korean Rheumatoid Arthritis. M.-K. LIM, J. YOO, D.-H. SHEEN, C. IHM, S.K. LEE, S.A. KIM ( <i>Daejeon, Republic of Korea</i> ) .....	2941
A Case Series of BCOR Sarcomas With a New Splice Variant of BCOR/CCNB3 Fusion Gene. A. KYRIAZOGLOU, N. TOURKANTONI, M. LIONTOS, F. ZAGOURI, L. MAHAIRA, A. PAPAKOSTA, D. MICHALI, A. PATERELI, K. STEFANAKI, V. TZOTZOLA, E. SKOURA, M. BAKA, S. POLYCHRONOPOULOU, A. KATTAMIS, E. DIMITRIADIS ( <i>Athens, Greece</i> ) .....	2947
Combining Radiomics and Blood Test Biomarkers to Predict the Response of Locally Advanced Rectal Cancer to Chemoradiation. S.H. JEON, C. SONG, E.K. CHIE, B. KIM, Y.H. KIM, W. CHANG, Y.J. LEE, J.-H. CHUNG, J.B. CHUNG, K.-W. LEE, S.-B. KANG, J.-S. KIM ( <i>Daejeon; Seongnam; Seoul; Yongin, Republic of Korea</i> ) .....	2955
Investigation of the Efficacy and Safety of Nivolumab in Recurrent and Metastatic Nasopharyngeal Carcinoma. H. SATO, C. FUSHIMI, T. OKADA, T. MATSUKI, T. KONDO, G. OMURA, K. MIURA, T. YAMASHITA, I. OKAMOTO, K. TSUKAHARA ( <i>Tokyo; Kanagawa, Japan</i> ) .....	2967
Identification of Patients at High Risk for Postsurgical Hypoparathyroidism. K. KAKAVA, S. TOURNIS, K. MAKRIS, G. PAPADAKIS, E. KASSI, I. DONTAS, T. KARATZAS ( <i>Pireaus; Athens, Greece; Biel/Bienne, Switzerland</i> ) .....	2973
Prognostic Utility of Apical Lymph Node Metastasis in Patients With Left-sided Colorectal Cancer. L. WANG, Y. HIRANO, G. HENG, T. ISHII, H. KONDO, K. HARA, N. OBARA, M. ASARI, S. YAMAGUCHI ( <i>Hidaka, Japan</i> ) .....	2981
Stereotactic Body Radiotherapy for Pulmonary Oligometastasis from Colorectal Cancer. N. KOBAYASHI, T. ABE, S.-E. NODA, Y. KUMAZAKI, R. HIRAI, M. IGARI, T. AOSHIKA, S. SAITO, Y. RYUNO, S. KATO ( <i>Saitama; Gunma, Japan</i> ) .....	2991

---

Association Between the Efficacy of Pembrolizumab and Low STK11/LKB1 Expression in High-PD-L1-expressing Non-small-cell Lung Cancer. T. HASEGAWA, N. YANAGITANI, H. NINOMIYA, H. SAKAMOTO, T. TOZUKA, H. YOSHIDA, Y. AMINO, S. UEMATSU, T. YOSHIZAWA, R. ARIYASU, K. UCHIBORI, S. KITAZONO, A. HORIIKE, M. NISHIO ( <i>Tokyo, Japan</i> ).....	2997
TGFBI Expression Predicts the Survival of Patients With Oropharyngeal Squamous Cell Carcinoma. H.-J. KIM, D. AHN, T.-I. PARK, J.Y. JEONG ( <i>Daegu, Republic of Korea</i> ).....	3005
Tomato Juice Consumption Could Improve Breast Skin Adverse Effects of Radiotherapy in Breast Cancer Patients. Y. FUKUSHI, Y. MARIYA, K. YAMADA, K. YOSHIDA, A. SASA, H. SAITO, A. HIRAI, S. SUZUKI, K. AIZAWA, H. SUGANUMA, C. ITAKI ( <i>Hirosaki; Mutsu; Hachinohe; Nasushiobara, Japan</i> ).....	3013
<b>Articles on Covid-19</b>	
Ivermectin Docks to the SARS-CoV-2 Spike Receptor-binding Domain Attached to ACE2. S. LEHRER, P.H. RHEINSTEIN ( <i>New York City, NY; Severna Park, MD, USA</i> ).....	3023
Raloxifene and Bazedoxifene Could Be Promising Candidates for Preventing the COVID-19 Related Cytokine Storm, ARDS and Mortality. K. SMETANA, JR, D. ROSEL, J. BRABEK ( <i>Prague; Vestec, Czech Republic</i> ).....	3027
Clinical Study of Hyperglycemia and SARS-CoV-2 Infection in Intensive Care Unit Patients. I. ILIAS, E. JAHAJ, S. KOKKORIS, D. ZERVAKIS, P. TEMPERIKIDIS, E. MAGIRA, M. PRATIKAKI, A.G. VASSILIOU, C. ROUTSI, A. KOTANIDOU, I. DIMOPOULOU ( <i>Athens, Greece</i> ) .....	3029
Effect of Lockdown in Surgical Emergency Accesses: Experience of a COVID-19 Hospital. G. VANNI, J.M. LEGRAMANTE, M. PELLICCIARO, G. DE CAROLIS, M. COTESTA, M. MATERAZZO, C. BUONOMO, A. FARINACCIO, F. SANTORI, F. SARACENO, B. IELPO, F. AIELLO, C. PAGANELLI, M. GRANDE, G. DE ANDREIS, M. CHIOCCHI, L. PALOMBI, O.C. BUONOMO ( <i>Rome, Italy; Barcelona, Spain</i> ) .....	3033
Preliminary Data of a Quantitative Point of Care Test for SARS-CoV-2 Antibodies From Greece. P.C. FRAGKOU, V. PAPAEVANGELOU, A. ANTONIADOU, D. KAVVATHA, A. PLOUSSI, N. PANTAZIS, T. SIRMPILANTZE, C. PSARRAKIS, S.A. POURNARAS, S. TSIODRAS, A. KELEKIS ( <i>Athens, Greece</i> ) .....	3039
Lockdown of Breast Cancer Screening for COVID-19: Possible Scenario. G. VANNI, M. PELLICCIARO, M. MATERAZZO, V. BRUNO, C. OLDANI, C.A. PISTOLESE, C. BUONOMO, J. CASPI, P. GUALTIERI, A. CHIARAVALLOTTI, L. PALOMBI, E. PICCIONE, O.C. BUONOMO ( <i>Rome; Viterbo; Pozzilli, Italy</i> ) .....	3047
Erratum .....	3055

**Number 6, November-December***Reviews*

Follow-up Strategies for Primary Extremity Soft-tissue Sarcoma in Adults: A Systematic Review of the Published Literature. D. DAMMERER, A. VAN BEECK, V. SCHNEEWEISS, A. SCHWABEGGER ( <i>Innsbruck, Austria; Edegem, Belgium</i> ) .....	3057
IGF Bioregulation System in Benign and Malignant Thyroid Nodular Disease: A Systematic Review. A. KARAGIANNIS, E. KASSI, A. CHATZIGEORGIOU, M. KOUTSILIERIS ( <i>Athens, Greece</i> ).....	3069
Telomere Length and Hematological Disorders: A Review. B.M. DIAS NOGUEIRA, C. BEZERRA MACHADO, R. CARVALHO MONTENEGRO, M.E. AMARAL DE MORAES, C.A. MOREIRA-NUNES ( <i>Fortaleza, CE, Brazil</i> ).....	3093
Review of Innovative Physical Therapy Methods: Introduction to the Principles of Cold Physical Plasma. K. KLETSCHKUS, L. HARALAMBIEV, A. MUSTEA, S. BEKESCHUS, M.B. STOPE ( <i>Greifswald; Berlin; Bonn, Germany</i> ) .....	3103
Lipid-lowering Drugs and Neurocognitive Function: A Systematic Review. G. KYRIAKOS, L.V. QUILES-SÁNCHEZ, E. DIAMANTIS, P. FARMAKI, N. GARMPIS, C. DAMASKOS, S. SAVVANIS, A. PATSOURAS, A. STELIANIDI, E. VOUTYRITSA, V.E. GEORGAKOPOULOU, A. GARMPI ( <i>Cartagena; Murcia, Spain; Athens; Piraeus, Greece</i> ) .....	3109
Systemic Review and Meta-analysis of Impact of Splenectomy for Advanced Gastric Cancer. C. KUNISAKI, S. SATO, N. TSUCHIYA, J. WATANABE, T. SATO, K. TAKEDA, K. KASAHARA, T. KOSAKA, H. AKIYAMA, I. ENDO, T. MISUMI ( <i>Yokohama, Japan</i> ) .....	3115
Thyroid Dysfunction and Atherosclerosis: A Systematic Review. A.-M. PAPADOPOLOU, N. BAKOGIANNIS, I. SKRAPARI, D. MORIS, C. BAKOYANNIS ( <i>Athens, Greece; Durham, NC, USA</i> ).....	3127
Specialized Histological and Histomorphometrical Analytical Methods for Biocompatibility Testing of Biomaterials for Maxillofacial Surgery in (Pre-) Clinical Studies. C. LINDNER, A. PRÖHL, M. ABELS, T. LÖFFLER, M. BATINIC, O. JUNG, M. BARBECK ( <i>Berlin; Rostock, Germany</i> ).....	3137
<i>Experimental Studies</i>	
Sutureless Surgical Orthotopic Implantation Technique of Primary and Metastatic Cancer in the Liver of Mouse Models. H. NISHINO, H.M. HOLLANDSWORTH, N. SUGISAWA, J. YAMAMOTO, Y. TASHIRO, S. INUBUSHI, K. HAMADA, Y. SUN, H. LIM, S. AMIRFAKHRI, F. FILEMONI, R.M. HOFFMAN, M. BOUVET ( <i>San Diego, CA, USA; Kyoto, Japan</i> ).....	3153
Ligation Method to Specifically Label a Liver Segment With Indocyanine Green in an Orthotopic Nude-Mouse Liver-Metastasis Model. H. NISHINO, H.M. HOLLANDSWORTH, Y. TASHIRO, J. YAMAMOTO, S. AMIRFAKHRI, F. FILEMONI, N. SUGISAWA, R.M. HOFFMAN, M. BOUVET ( <i>San Diego, CA, USA; Kyoto, Japan</i> ) .....	3159
Response of Triple-negative Breast Cancer Liver Metastasis to Oral Recombinant Methioninase in a Patient-derived Orthotopic Xenograft (PDOX) Model. H.I. LIM, J. YAMAMOTO, Q. HAN, Y. SUN, H. NISHINO, Y. TASHIRO, N. SUGISAWA, Y. TAN, H.J. CHOI, S.J. NAM, M. BOUVET, R.M. HOFFMAN ( <i>San Diego, CA, USA; Jinju; Changwon; Seoul, Republic of Korea</i> ) .....	3163

---

Clinical Significance of Tumor and Immune Cell PD-L1 Expression in Gastric Adenocarcinoma. D.H. KIM, G.E. BAE, K.S. SUH, D. RYUMAN, K.S. SONG, J.S. KIM, S.-I. LEE, M.-K. YEO ( <i>Daejeon, Republic of Korea</i> ) .....	3171
Significant Association of MMP2 Promoter Genotypes to Asthma Susceptibility in Taiwan. L.-H. CHEN, K.-L. CHIU, T.-C. HSIA, Y.-H. LEE, T.-C. SHEN, C.-H. LI, Y.-C. SHEN, W.-S. CHANG, C.-W. TSAI, D.-T. BAU ( <i>Taichung; Hualien, Taiwan, ROC</i> ) .....	3181
A Novel Lipofuscin-detecting Marker of Senescence Relates With Hypoxia, Dysregulated Autophagy and With Poor Prognosis in Non-small-cell-lung Cancer. A. GIATROMANOLAKI, M. KOUROUPI, K. BALASKA, M.I. KOUKOURAKIS ( <i>Alexandroupolis, Greece</i> ) .....	3187
The Effect of Gemcitabine on Cell Cycle Arrest and microRNA Signatures in Pancreatic Cancer Cells. D. NAMIMA, S. FUJIHARA, H. IWAMA, K. FUJITA, T. MATSUI, M. NAKAHARA, M. OKAMURA, M. HIRATA, T. KONO, N. FUJITA, H. YAMANA, K. KATO, H. KAMADA, A. MORISHITA, H. KOBARA, K. TSUTSUI, T. MASAKI ( <i>Kagawa, Japan</i> ) .....	3195
Continuity of Tumor Microenvironmental Suppression in AOM/DSS Mice by Fucoxanthin May Be Able to Track With Salivary Glycine. M. TERASAKI, R. KIMURA, A. KUBOTA, H. KOJIMA, T. TANAKA, H. MAEDA, K. MIYASHITA, M. MUTOH ( <i>Hokkaido; Gifu; Aomori; Tokyo, Japan</i> ) .....	3205
Therapeutic Efficacy and Inhibitory Mechanism of Regorafenib Combined With Radiation in Colorectal Cancer. Y.-C. LIU, I-T. CHIANG, J.-G. CHUNG, J.-H. HSIEH, C.-H. CHIANG, M.-C. WENG, F.-T. HSU, Y.-H. LEE, C.-S. CHANG, S.-S. LIN ( <i>Changhua; Taichung; Yilan; New Taipei; Taipei; Taoyuan, Taiwan, ROC; Houston, TX, USA</i> ) .....	3217
A Non-invasive Imageable GFP-expressing Mouse Model of Orthotopic Human Bladder Cancer. Y. SUN, H. NISHINO, M. ZHAO, K. MIYAKE, N. SUGISAWA, J. YAMAMOTO, Y. TASHIRO, S. INUBUSHI, K. HAMADA, G. ZHU, H. LIM, R.M. HOFFMAN ( <i>San Diego, CA, USA</i> ) .....	3225
Whole Exome Sequencing of <i>SMO</i> , <i>BRAF</i> , <i>PTCH1</i> and <i>GNAS</i> in Odontogenic Diseases. M. SHIMURA, K.-I. NAKASHIRO, Y. SAWATANI, T. HASEGAWA, R. KAMIMURA, S. IZUMI, Y. KOMIYAMA, C. FUKUMOTO, S. YAGISAWA, E. YAGUCHI, M. HITOMI-KOIDE, T. HYODO, D. UCHIDA, H. KAWAMATA ( <i>Tochigi; Ehime, Japan</i> ) .....	3233
Co-implantation of Tumor and Extensive Surrounding Tissue Improved the Establishment Rate of Surgical Specimens of Human-Patient Cancer in Nude Mice: Toward the Goal of Universal Individualized Cancer Therapy. T. MURATA, C. HOZUMI, Y. HIROSHIMA, K. SHIMOYA, A. HONGO, S. INUBUSHI, H. TANINO, R.M. HOFFMAN ( <i>Okayama; Narita; Kanagawa; Kurashiki; Kobe, Japan; San Diego, CA, USA</i> ) .....	3241
SMN Protein Contributes to Skeletal Muscle Cell Maturation Via Caspase-3 and Akt Activation. S. ANDO, M. TANAKA, N. CHINEN, S. NAKAMURA, M. SHIMAZAWA, H. HARA ( <i>Gifu, Japan</i> ) .....	3247
Expression of Periostin in Mammary Cancer Cells of Female Dogs. P. BORECKA, R. CIAPUTA, I. JANUS, J. BUBAK, A. PIOTROWSKA, K. RATAJCZAK-WIELGOMAS, M. PODHORSKA-OKOLÓW, P. DZIĘGIEL, M. NOWAK ( <i>Wroclaw, Poland</i> ) .....	3255
Comparison of TMA Technique and Routine Whole Slide Analysis in Evaluation of Proliferative Markers Expression in Laryngeal Squamous Cell Cancer. U. CIESIELSKA, A. PIOTROWSKA, C. KOBIERZYCKI, W. PASTUSZEWSKI, M. PODHORSKA-OKOLOW, P. DZIEGIEL, K. NOWINSKA ( <i>Wroclaw, Poland; Namsos, Norway</i> ) .....	3263
	3805

Cryopreservation of Biologically Functional Submandibular Gland Rudiments from Fetal Mice. K. ADACHI, Y. OHNO, K. SATOH, A. SHITARA, Y. MURAMATHU, M. KASHIMATA ( <i>Gifu, Japan</i> ) ....	3271
A Role for Angiogenesis in Canine Cutaneous Histiocytoma Regression: Insights into an Old Clinical Enigma. D. COSTA, R. FERREIRA, J. PRADA, F.L. QUEIROGA, P. RODRIGUES, F. SILVA, I. PIRES ( <i>Vila Real; Porto, Portugal</i> ) .....	3279
Cocaine Reduces Ciliary Beat Frequency of Human Nasal Epithelial Cells. A. NASTEV, J.U. SOMMER, W. BEHR, B.A. STUCK, C.E. MUELLER, A. SCHELL, B. KRAMER, D. HAEUSSLER, K. HOERMANN, R. BIRK ( <i>Marburg; Wuppertal; Heidelberg, Germany</i> ) .....	3285
Does the Addition of Abiraterone to Castration Affect the Reduction in Bone Mineral Density? S. NAKAJIMA, T. INOUE, M. HUANG, K. TAKAYAMA, S. KASHIMA, R. YAMAMOTO, A. KOIZUMI, T. NARA, K. NUMAKURA, M. SAITO, S. NARITA, M. MIURA, S. SATOH, T. HABUCHI ( <i>Akita, Japan</i> ) .....	3291
Additive Effects of Zinc Chloride on the Suppression of Hepatitis A Virus Replication by Interferon in Human Hepatoma Huh7 Cells. T. KANDA, R. SASAKI, R. MASUZAKI, H. TAKAHASHI, M. FUJISAWA, N. MATSUMOTO, H. OKAMOTO, M. MORIYAMA ( <i>Tokyo; Tochigi-ken, Japan</i> ) .....	3301
Association of Genetic Polymorphisms With Hepatitis C Virus-related Liver Cirrhosis in Japan. S. KAMIMURA, A. TAMURA, T. ISHII, T. KANDA, M. MORIYAMA ( <i>Tokyo, Japan</i> ) .....	3309
The MSC-MCF-7 Duet Playing Tumor Vasculogenesis and Angiogenesis onto the Chick Embryo Chorioallantoic Membrane. §. COMŞA, A.-R. CEAUŞU, R. POPESCU, S. SBRB, A.-M. CÎMPEAN, M. RAICA ( <i>Timişoara, Romania</i> ) .....	3315
<b>Clinical Studies</b>	
Leucocyte Count Does Not Improve the Diagnostic Performance of a Diagnostic Score (DS) in Distinguishing Acute Appendicitis (AA) from Nonspecific Abdominal Pain (NSAP). J. MEKLIN, M. ESKELINEN, K. SYRJANEN, M. ESKELINEN ( <i>Kuopio; Kaarina, Finland; Barretos, Brazil</i> ) .....	3327
Evaluating the Decision-to-Delivery Interval in Emergency Cesarean Sections and its Impact on Neonatal Outcome. J.-A. BRANDT, B. MORGENSTERN, F. THANGARAJAH, B. GRÜTTNER, S. LUDWIG, C. EICHLER, J. RATIU, P. MALLMANN, D. RATIU ( <i>Cologne, Germany</i> ) .....	3341
The Systemic Immune-Inflammation Index Predicts Clinical Outcomes in Kidney Transplant Recipients. S.E. HALPERN, D. MORIS, B.I. SHAW, M.K. KRISCHAK, D.G. OLASO, S.J. KESSELI, K. RAVINDRA, L.M. MCELROY, A.S. BARBAS ( <i>Durham, NC, USA</i> ) .....	3349
Risk Factors for Severe Complications in Ovarian Cancer Surgery. E.K. EGGER, N. KOHLS, M.B. STOPE, M. CONDIC, M.-D. KEYVER-PAIK, D. KÖNSGEN, T. HILBERT, S. KLASCHIK, D. EXNER, T. VILZ, A. MUSTEA ( <i>Bonn, Germany</i> ) .....	3361
Impact of Surgical Resection on Metachronous Metastases of Colorectal Cancer According to Tumor Doubling Time. H. MIYAKE, K. MURONO, K. KAWAI, H. NOZAWA, H. MAKI, K. HASEGAWA, J. NAKAJIMA, S. ISHIHARA ( <i>Tokyo, Japan</i> ) .....	3367
Genomic Profiling and Clinicopathological Characteristics of Neuroendocrine Tumors of the Lung in East Asian Patients. M. KIM, Y.S. CHUNG, K.A KIM, H.S. SHIM ( <i>Seoul, Republic of Korea</i> ) .....	3375

Treatment Outcome of the Combination Therapy of High-dose rate Intracavitary Brachytherapy and Intensity-modulated Radiation Therapy With Central-shielding for Cervical Cancer. Y. MUKAI, Y. MINAGAWA, H. INOUE, A. SATO, K. MATSUI, T. FUKUDA, K. ONUMA, H. HONGO, R. SHIRATA, H. NAGATA, H. HASHIMOTO, T. INOUE, M. HATA, M. OMURA ( <i>Yokohama; Kamakura; Fujisawa, Japan</i> ) .....	3387
Tolerability and Adverse Events of Adjuvant Chemotherapy for Rectal Cancer in Patients With Diverting Ileostomy. J. TAKAHASHI, S. TSUJINAKA, R. MAEMOTO, Y. MIYAKURA, K. SUZUKI, R. FUKUDA, R. SAKIO, E. MACHIDA, T. RIKIYAMA ( <i>Saitama, Japan</i> ) .....	3399
Robotic Incisional Hernia Repair After Robotic-assisted Radical Prostatectomy (RARP): A 3-port Approach. H.-C. OU, L.-H. HUANG, K.-H. CHANG, Y.-C. OU, M.-C. TUNG, W.-C. WENG, C.-Y. HSU, Y.-S. LIN, C.-H. LU, T.-Y. TSAO ( <i>Taichung; Taipei; Miaoli, Taiwan, ROC</i> ) .....	3407
Capecitabine Plus Bevacizumab for Cardiac Metastasis of Sigmoid Colon Cancer: Case Report and Literature Review. S. HIROI, M. MIGUCHI, S. IKEDA, H. NAKAHARA, K. SHINOZAKI, T. NISHISAKA, H. EGI, T. ITAMOTO ( <i>Hiroshima, Japan</i> ) .....	3413
The (Eternal) Debate on Microwave Ablation Versus Radiofrequency Ablation in BCLC-A Hepatocellular Carcinoma. A.D. RICCI, A. RIZZO, C. BONUCCI, S. TAVOLARI, A. PALLONI, G. FREGA, V. MOLLICA, N. TOBER, E. MAZZOTTA, C. FELICANI, C. SERRA, G. BRANDI ( <i>Bologna, Italy</i> ) .....	3421
A Prospective Evaluation of Tru-Cut Biopsy and Fine-needle Aspiration Cytology in Male Breast Cancer Detection. C.A. PISTOLESE, T. PERRETTA, G. CLARONI, L. ANEMONA, F. SERVADEI, A. COLLURA, M. CENSI, M. MATERAZZO, M. PELLICCIARO, F. LAMACCHIA, G. VANNI ( <i>Rome, Italy</i> ) .....	3431
Impact of Hormone Receptor Status on the Behaviour of HER2+ Breast Cancer. I. KOLAROVA, L. DUSEK, A. RYSKA, K. ODRAZKA, M. DOLEZEL, J. VANASEK, B. MELICHAR, J. PETERA, T. BUCHLER, M. VOSMIK, K. PETRAKOVA, P. TERAROVA, Z. VILASOVA, J. JARKOVSKY ( <i>Hradec Kralove; Pardubice; Brno; Prague; Olomouc, Czech Republic</i> ) .....	3441
Clinical Significance of Prognostic Nutritional Index in the Treatment of Esophageal Squamous Cell Carcinoma. K. TAKAO, H. KONISHI, H. FUJIWARA, A. SHIOZAKI, K. SHODA, T. KOSUGA, T. KUBOTA, T. ARITA, R. MORIMURA, Y. MURAYAMA, Y. KURIU, H. IKOMA, M. NAKANISHI, K. OKAMOTO, E. OTSUJI ( <i>Kyoto, Japan</i> ) .....	3451
Risk Factors for Delayed Elimination of Methotrexate in Children, Adolescents and Young Adults With Osteosarcoma. K. MISAKA, Y. SUGA, Y. STAUB, A. TSUBATA, T. SHIMADA, Y. SAI, R. MATSUSHITA ( <i>Ishikawa, Japan</i> ) .....	3459
Dominant Antibiotic Consumption Patterns Might Be Associated With the Prevalence of Multiple Sclerosis in European Countries. G. TERNÁK, K. BERÉNYI, G. MÁROVICS, A. SÜMEGI, B. FODOR, B. NÉMETH, I. KISS ( <i>Pécs, Hungary</i> ) .....	3467
Predicting Biochemical Failure in Irradiated Patients With Prostate Cancer by Tumour Volume Measured by Multiparametric MRI. B. OERTHER, M.V. BUREN, C.M. KLEIN, S. KIRSTE, N.H. NICOLAY, T. SPRAVE, S. SPOHN, D.D. GUNASHEKAR, L. HAGELE, L. BIELAK, M. BOCK, A.-L. GROSU, F. BAMBERG, M. BENNDORF, C. ZAMBOGLOU ( <i>Freiburg, Germany</i> ) .....	3473
	3807

Implications of Topoisomerase (TOP1 and TOP2a) Expression in Patients With Breast Cancer. M. OGINO, T. FUJII, Y. NAKAZAWA, T. HIGUCHI, Y. KOIBUCHI, T. OYAMA, J. Horiguchi, K. SHIRABE ( <i>Gunma; Saitama; Chiba, Japan</i> ).....	3483
Safety of Ramucirumab Regimen Without H1-antihistamine Premedication in Patients With Solid Cancers. E. GOTO, T. YAMAGUCHI, N. HATTORI, M. GOTO, M. NISHIHARA, K. UCHIYAMA, Y. RIKITAKE ( <i>Takatsuki; Kobe; Suita; Hirakata, Japan</i> ).....	3489
Salvage Reconstruction With the Masquelet Technique Following Wide Resection for Chondrosarcoma of the Proximal Femoral Metaphysis: A Case Report. M. HAKOZAKI, R. KAWAKAMI, N. SASAKI, N. TOSHIKI, Y. KANEUCHI, H. YAMADA, S. KONNO ( <i>Fukushima, Japan</i> ).....	3495
Axillary Clearance Following Positive Sentinel Lymph Node Biopsy in Symptomatic Breast Cancer. H. SHAKER, Z. MAHATE, G. DABRITZ, M.S. ABSAR ( <i>Manchester, UK</i> ) .....	3503
Negative Pressure Wound Therapy (NPWT) in Groin Wounds After Lymphadenectomy in Vulvar Cancer Patients. K.C. ASCIUTTO, S. ACOSTA, C. BORGFELDT ( <i>Lund; Malmö, Sweden</i> ).....	3511
Isolated Avulsion Fracture of the Lesser Trochanter in Adults. H.S. CHO, Y.-K. LEE, B.-H. YOON, J.-W. PARK, Y.-C. HA, K.-H. KOO ( <i>Seongnam; Seoul Paik Hospital</i> ) .....	3519
Giant Intrathoracic Schwannoma: A Case Report. C. SAVU, V. GRIGORIE, A. MELINTE, C. DIACONU, L. ILIESCU, M. DIMITRIU, I. BALESCU, N. BACALBASA ( <i>Bucharest, Romania</i> ).....	3527
New Anastomosis Technique to Prevent Anastomotic Leakage in Laparoscopic Anterior Resection for Rectal Cancer, Especially Upper Rectal Cancer. K. ANDO, N. KURIYAMA, Y. FUJIMOTO, T. JOGO, K. HOKONOHARA, Q. HU, Y. HISAMATSU, R. NAKANISHI, Y. NAKASHIMA, Y. KIMURA, E. OKI, M. MORI ( <i>Fukuoka, Japan</i> ) .....	3533
Correlation Between the Metabolic Conversion of a Capecitabine Metabolite, 5'-Deoxy-5-fluorocytidine, and Creatinine Clearance. T. INAISSI, K.-I. FUJITA, N. MATSUMOTO, T. SHIMOKATA, O. MAEDA, T. KIKUMORI, N. HATTORI, G. NAKAYAMA, Y. ANDO ( <i>Nagoya; Tokyo, Japan</i> ) .....	3539
New-onset Post-transplant Diabetes and Therapy in Long-term Survivors After Allogeneic Hematopoietic Stem Cell Transplantation. V.D. VIA, J.P. HALTER, S. GERULL, C. ARRANTO, A. TICHELLI, D. HEIM, J.R. PASSWEG, M. MEDINGER, N. CESANA-NIGRO ( <i>Basel; Solothurn, Switzerland</i> ) .....	3545
Impact of Osteopenia on Oncologic Outcomes After Curative Resection for Pancreatic Cancer. T. MOTOMURA, H. UCHIYAMA, T. IGUCHI, M. NINOMIYA, R. YOSHIDA, T. HONBOH, N. SADANAGA, T. AKASHI, H. MATSUURA ( <i>Fukuoka, Japan</i> ) .....	3551
Oncological Outcomes of Pathological T1 Lower Rectal Cancer Patients With or Without Preoperative Chemoradiotherapy. T. TAIRA, H. NOZAWA, K. KAWAI, K. SASAKI, K. MURONO, M. KANEKO, S. EMOTO, Y. IIDA, H. ISHII, Y. YOKOYAMA, H. ANZAI, H. SONODA, S. ISHIIHARA ( <i>Tokyo, Japan</i> ) .....	3559
CT Derived Muscle Measures, Inflammation, and Frailty in a Cohort of Older Cancer Patients. M. HARNESHAUG, J.S. BENTH, L. KIRKHUS, B.H. GRONBERG, S. BERGH, S. ROSTOFT, M. SLAAEN ( <i>Ottestad; Oslo; Nordbyhagen; Trondheim; Tønsberg; Hamar, Norway</i> ) .....	3565
Clinicopathological Data and Treatment Modalities for Pancreatic Somatostatinomas. A. MASTORAKI, D. SCHIZAS, E. PAPOUTSI, V. NTELLO, P. KANAVIDIS, A. SIOULAS, M. TSOLI, G. CHARALAMPOPOULOS, M. VAILAS, E. FELEKOURAS ( <i>Athens, Greece</i> ).....	3573

Stereotactic Body Radiotherapy Based on $^{99m}$ Tc-GSA SPECT Imageguided Inverse Planning for Hepatocellular Carcinoma. Y. KAI, R. TOYA, T. SAITO, T. MATSUYAMA, Y. FUKUGAWA, S. SHIRASHI, Y. SHIMOHIGASHI, N. OYA ( <i>Kumamoto, Japan</i> ).....	3583
Clinical Outcomes of Acute Myocardial Infarction Patients With a History of Malignant Tumor. M. NOZAKA, H. YOKOYAMA, K. KITAYAMA, D. NAGAWA, M. HAMADATE, N. MIURA, Y. KAWAMURA, M. NAKATA, F. NISHIZAKI, K. HANADA, T. YOKOTA, M. YAMADA, H. TOMITA ( <i>Hirosaki, Japan</i> ) .....	3589
Bilateral Primary Marginal Zone Lymphoma of the Breast – A Rare Breast Malignancy. S. TALLURI, C.R. SUBRAMANIAN, E. WERNER, V. KASIREDDY, L. PHILIP ( <i>Sayre, PA; Fremont, CA, USA</i> ).....	3597
Comparison of the Outcome of Patients Protected by the Wearable Cardioverter Defibrillator (WCD) for <90 Wear Days versus $\geq$ 90 Wear Days. T.C. DREHER, I. EL-BATTRAWY, S. RÖGER, S.L. ROSENKAIMER, S. GERHARDS, J. KUSCHYK, M. BORGGREFE, I. AKIN ( <i>Mannheim; Heidelberg, Germany</i> ).....	3601
Plan-Optimization Method for Central-shielding Pelvic Volumetricmodulated Arc Therapy for Cervical Cancer. R. HIRAI, T. TAMAKI, M. IGARI, Y. KUMAZAKI, S.-E. NODA, S. KATO ( <i>Saitama; Fukushima, Japan</i> ) .....	3611
Low H3K9me3 Expression Is Associated With Poor Prognosis in Patients With Distal Common Bile Duct Cancer. H.G. KIM, J.-Y. SUNG, K. NA, S.-W. KIM ( <i>Seoul, Republic of Korea</i> ).....	3619
Radiotherapy of Grade III Gliomas: Identification of Clinical Prognostic Factors for Local Tumor Control and Survival. D. RADES, J. WITTELER, S.E. SCHILD ( <i>Lübeck, Germany; Scottsdale, AZ, USA</i> ) .....	3627
Evaluation of Blood-based Biomarkers for Prediction of Response in Carboplatin-treated Metastatic Castration-resistant Prostate Cancer Patients. J. MORITZ, T. BAUERNHOFER, S. MANNWEILER, T. LANGSENLEHNER, K. PUMMER, N. DANDACHI, M. PICHLER ( <i>Graz, Austria</i> ) .....	3631
Association Between Mortality and Left Ventricular Ejection Fraction in Patients With Takotsubo Syndrome Versus Acute Coronary Syndrome. M. ABUMAYYALEH, I. EL-BATTRAWY, M. KUMMER, T. GIETZEN, M. BEHNES, X.-B. ZHOU, S. LANG, M. BORGGREFE, I. AKIN ( <i>Mannheim, Germany</i> ) .....	3639
Solitary Fibrous Tumor of the Orbit: A Clinicopathologic Study of Two Cases With Review of the Literature. M. MITAMURA, S. KASE, Y. SUZUKI, T. SAKAGUCHI, Y. SUIMON, Y. DONG, K.C. HATANAKA, T. SINOHARA, M. KASE, S. ISHIDA ( <i>Sapporo, Japan</i> ) .....	3649
Changing Patterns of Distant Metastasis in Patients With Lower Rectal Cancer Undergoing Intraoperative Radiotherapy. T. MASAKI, H. MATSUOKA, T. KISHIKI, K. KOJIMA, A. TONARI, N. ASO, A. BENIYA, A. IIOKA, T. WAKAMATSU, E. SUNAMI ( <i>Tokyo, Japan</i> ) .....	3655
Rectal Cancer Surgery in Patients Older Than 80 Years: Is Hartmann's Procedure Safe? K. IGUCHI, H. MUSHIAKE, S. HASEGAWA, D. INAGAKI, T. FUKUSHIMA, M. NUMATA, H. TAMAGAWA, N. YUKAWA, Y. RINO, M. MASUDA ( <i>Yokohama, Japan</i> ) .....	3661
Pegfilgrastim Maintains Relative Dose Intensity and Decreases Hospitalisations in Patients With Endometrial Cancer. K. CHIKAZAWA, K. IMAI, T. ITO, A. KIMURA, K. HIROYOSHI, Y. MIHO, T. KUWATA, R. KONNO ( <i>Saitama, Japan</i> ) .....	3669
	3809

Survival Outcomes After High-dose Chemotherapy and Stem Cell Transplantation in the Salvage Setting for Relapsed or Refractory Germ Cell Cancers. A. SHARMA, D.S. BABRA, P.V. JOSHI, M. HALL, A. GOGBASHIAN, N. VASDEV, M. JOSEPH, A. YAZDAN, E. KANFER ( <i>London; Stevenage, UK</i> ).....	3675
Transapical Left Ventricular Approach for Cardiac Papillary Fibroelastomas: A Case Report. O. STIRU, R.C. GEANA, P.R. DRAGULESCU, A. TULIN, L. RADUCU, N. BACALBASA, I. BADESCU, D. CRETOIU, C. DIACONU, L. ILIESCU, C. SAVU, V.A. ILIESCU ( <i>Bucharest, Romania</i> ) .....	3681
Gender-specific Performance of a Diagnostic Score in Acute Appendicitis. J. MEKLIN, M. ESKELINEN, K. SYRJÄNEN, M. ESKELINEN ( <i>Kuopio; Kaarina, Finland; Barretos, Brazil</i> ) .....	3687
A Novel Systemic Inflammatory Score Combined With Immunoinflammatory Markers Accurately Reflects Prognosis in Patients With Esophageal Cancer. T. SUZUKI, Y. ISHIBASHI, H. TSUJIMOTO, S. NOMURA, K. KOUZU, Y. ITAZAKI, T. SUGIHARA, M. HARADA, N. ITO, H. SUGASAWA, Y. KISHI, H. UENO ( <i>Saitama, Japan</i> ) .....	3705
De-escalated Therapy Omitting Anthracyclines for Stage I HER2-positive Breast Cancer: A Retrospective Observational Study. S. NAKAMOTO, M. IKEDA, S. KUBO, M. YAMAMOTO, T. YAMASHITA ( <i>Fukuyama, Japan</i> ) .....	3713
Clinical Prognostic Factors for Local Control and Survival After Irradiation of Grade II Gliomas. J. WITTELER, S.E. SCHILD, D. RADES ( <i>Lübeck, Germany; Scottsdale, AZ, USA</i> ) .....	3719
<b>Articles on Covid-19</b>	
Classical Drug Digitoxin Inhibits Influenza Cytokine Storm, With Implications for Covid-19 Therapy. B.S. POLLARD, J.C. BLANCOL, J.R. POLLARD ( <i>Rockville, MD; Newark, DE, USA</i> ) .....	3723
Radiotherapy in the COVID-19 Pandemic Era. A. GONNELLI, S. MONTRONE, P. COCUZZA, S. URSINO, B. MANFREDI, R. MATTIONI, N. COCCIA, T. FUENTES, E. CALISTRI, F. PASQUALETTI, F. PAIAR ( <i>Pisa; Lucca, Italy</i> ) .....	3731
Chest Computed Tomography Scoring in Patients With Novel Coronavirus-infected Pneumonia: Correlation With Clinical and Laboratory Features and Disease Outcome. L. PUGLIESE, F.P. SBORDONE, F. GRIMALDI, F. RICCI, F. DI TOSTO, L. SPIRITIGLIOZZI, C. DI DONNA, M. PRESICCE, V. DE STASIO, L. BENELLI, F. D'ERRICO, M. PASQUALETTO, J.M. LEGRAMANTE, M. MATERAZZO, M. PELLICCIARO, O.C. BUONOMO, G. VANNI, S. RIZZA, A. BELLIA, R. FLORIS, F. GARACI, M. CHIOCCHI ( <i>Rome, Italy</i> ).....	3735
Tracheostomy in Patients With COVID-19: A Single-center Experience. K. OBATA, R. MIYATA, K. YAMAMOTO, N. BYN-YA, T. KASAI, H. INOUE, E. NARIMATSU, K. TAKANO ( <i>Sapporo, Japan</i> )...	3747
A Nasopharyngeal Carcinoma Patient With COVID-19 Infection After Immunotherapy: A Case Report and Literature Review. M. ZHAI, S. ZHANG ( <i>Wuhan, PR China</i> ) .....	3753
Index.....	3757

## Subject Index

(Figures refer to page numbers)

- 106Ru, plaque brachytherapy, interventional radiotherapy, nomogram, prediction model, uveal melanoma, visual acuity, 381
- 12-dimethylbenz( $\alpha$ )anthracene, gene expression, microRNA, carcinogenicity, 7, DMBA, miR-330, miR-29a, miR-9-1, miR-9-3, mTORC1, 2337
- 2-year survival, non-small cell lung cancer, modern-era treatment, personalized treatment, chronic disease, 369
- 2014 World Health Organization, seromucinous, mucinous, borderline tumors, atypical proliferative mucinous tumors, recurrence, prognosis, 1341
- 24% oral sucrose solution, neonatal hypoglycemia, high-risk infants, early feeding, 1493
- 3-dimensional radiation therapy, vulvar carcinoma, inguinal lymph node, external beam radiation therapy, gynecologic malignancies, 307
- 3-mercaptopyruvate sulfurtransferase, renal cell carcinoma, hydrogen sulfide, cystathionine  $\gamma$ -lyase, CSE, cystathionine  $\beta$ -synthase, CBS, MPST, 2775
- 3D laparoscopy, esophageal bypass, squamous cell carcinoma, esophagobrochial fistula, 2163
- 3D laparoscopy, three-dimensional, two-dimensional, laparoscopic surgery, colon cancer, rectal cancer, colorectal cancer, review, 11
- 3D printing, resin, tracheostomy, tube, hamster, 1749
- 3D tumoroids, transcriptomics, anticancer drug screening, glioblastoma, 199
- 413MTUS1 protein, film-forming silicone gel, strataXRT, radiation dermatitis, breast cancer, gallbladder cancer, immunohistochemistry, prognosis, microRNA, real-time polymerase chain reaction, 125
- 5, tissue microarray, TMA, laryngeal cancer, ki-67, MCM3, 7, MTI/II, 3263
- 5'-DFCR, 5'-DFUR, capecitabine, cytidine deaminase, creatinine clearance, 3539
- 5'-DFUR, 5'-DFCR, capecitabine, cytidine deaminase, creatinine clearance, 3539
- 7, gene expression, microRNA, carcinogenicity, 12-dimethylbenz( $\alpha$ )anthracene, DMBA, miR-330, miR-29a, miR-9-1, miR-9-3, mTORC1, 2337
- 7, tissue microarray, TMA, laryngeal cancer, ki-67, MCM3, 5, MTI/II, 3263
- 99mTc-DMSA, renal function, ureter obstruction, rabbit, 2431
- ABCB1, afatinib, genetic polymorphism, diarrhoea, 1415
- Abdominal wall endometriosis, clear cell carcinoma, Cesarean scar endometriosis, endometriosis, surgery, chemotherapy, 2147
- Aberrant right hepatic artery, neoadjuvant chemotherapy, resectability, 401
- ABO blood group, biliary tract cancer, pancreateo-duodenectomy, prognosis, 1893
- Abscess, squamous cell carcinoma, mature ovarian teratoma, 2141
- Accuracy, total knee arthroplasty, fluoroscopy, radiographic images, x-ray, precision, 2521
- ACE2, COVID-19, ivermectin, spike protein, 3023
- Acetaminophen-induced hepatotoxicity, curcumin, tumor necrosis factor alpha, oxidative stress, matrix metalloproteinases, 569
- Acridine orange, local recurrence, soft tissue sarcoma, 2745
- ACS, takotsubo, ejection fraction, 3639
- Active surveillance, prostate cancer, MRI, selectMDx, 393
- Acute abdominal pain, acute appendicitis, diagnostic score, female, male, leucocyte count, ROC, HSROC, diagnostic accuracy, 3687
- Acute appendicitis, acute abdominal pain, diagnostic score, female, male, leucocyte count, ROC, HSROC, diagnostic accuracy, 3687
- Acute appendicitis, non-specific abdominal pain, diagnostic score, leucocyte count, ROC, HSROC, 3327
- Acute kidney injury, malignancy, prerenal azotemia, BUN to Cr ratio, 1515
- Acute lymphoblastic leukemia, l-asparaginase, erwinia, 2419
- Acute myocardial infarction, malignant tumor, heart failure, 3589
- Acute rejection, systemic immune-inflammation index, kidney transplantation, biomarkers, delayed graft function, 3349
- Acute postsurgical hypoparathyroidism, total thyroidectomy, postsurgical hypocalcemia, parathormone, 2973
- Adamantinoma, odontogenic tumor, sinonasal tumor, nasal polyp, head and neck, rare tumor, review, 2249
- Adenoma, periostin, carcinoma, bitches, dog, 3255
- Adenoma, periostin, POSTN, cAFs, mammary tumour, carcinoma, female dog, 1017
- Adenoma, podoplanin, PDPN, cAFs, mammary tumour, female dog, 213
- Adipogenic induction, stem cells, stem cell culture and differentiation, dimethyl sulfoxide, cryopreservation, cell proliferation osteogenic induction, 2363

- Adjuvant chemotherapy, adverse events, ileostomy, rectal cancer, tolerability, 3399  
Adjuvant chemotherapy, cutaneous squamous cell carcinoma, liver metastasis, partial hepatectomy, complete remission, 825  
Adjuvant chemotherapy, gastric cancer, endothelial cell-specific molecule-1, ESM-1, S-1, 461  
Adjuvant therapy, rectal cancer, chemoradiotherapy, neoadjuvant rectal score, 283  
Adrenal gland, neoplasia, suprarenal, leiomyoma, leiomyosarcoma, smooth muscle tumor, adrenalectomy, review, 2233  
Adrenalectomy, adrenal gland, neoplasia, suprarenal, leiomyoma, leiomyosarcoma, smooth muscle tumor, review, 2233  
Adult patients, medulloblastoma, re-irradiation, 1283  
Adult rhinology, age, functional endoscopic sinus surgery, Taiwan, 2571  
Adult, masquelet technique, induced membrane, biological reconstruction, malignant bone tumor, huge bone defect, metaphysis, 3495  
Advanced breast cancer, bevacizumab, hER2-negative, propensity score matching, real world, 1377  
Advanced esophageal cancer, esophageal bypass, esophageal perforation, definitive chemoradiotherapy, 2169  
Advanced gastric cancer, immune checkpoint inhibitors, nivolumab, Glasgow Prognostic Score (GPS), biomarkers, 1921  
Advanced hypopharyngeal laryngeal cancer, chemoselection, induction chemotherapy, TPF chemotherapy, 2891  
Adverse effect, eruptive nevi, encorafenib, BRAF inhibitors, melanocytic nevi, 441  
Adverse events, adjuvant chemotherapy, ileostomy, rectal cancer, tolerability, 3399  
Adverse events, ALK-TKI, radiotherapy, lung adenocarcinoma, brain metastases, 247  
Aerosolization, COVID-19, tracheostomy, infection, 3747  
Afatinib, genetic polymorphism, diarrhoea, ABCB1, 1415  
Afatinib, long-term survival, lung adenocarcinoma, uncommon EGFR mutations, 1459  
Affinity, chitosan, magnetic nanoparticle, uptake, cytotoxicity, inflammation, x-ray sensitivity, 1729  
Aflibercept, platelet-to-lymphocyte ratio, metastatic colorectal cancer, predictive marker, prognosis, survival, 2667  
Age-adjusted Charlson Comorbidity Index, esophageal cancer, curative treatment, 2783  
Age-related macular degeneration, *IL1RL1rs1041973*, *IL1RAPrs4624606*, gene polymorphisms, treatment, 2443  
Age, adult rhinology, functional endoscopic sinus surgery, Taiwan, 2571  
Age, gender, genotype, *MMP7*, polymorphism, pterygium, Taiwan, 51  
Aged, deglutition disorders, mucociliary clearance, nursing home, pneumonia, 845  
Agility MLC, Monte Carlo, IMRT, VMAT, QA, 2371  
Aging, coffee, oxidative stress, antioxidant, periodontal tissue, 615  
AIBDs, autoimmune bullous diseases, bullous pemphigoid, pemphigus, comorbidities, type 2 diabetes mellitus, neuropsychiatric diseases, 2113  
AJCC, pGSK3β, IHC, OSCC, survival, T stage, prognostic factors, 1805  
AKT, cryopreservation, branching morphogenesis, submandibular gland, EGF, ERK1/2, 3271  
Albumin, breast cancer, prognosis, inflammation, immunity, 2033  
Albumin, esophageal neoplasms, c-reactive protein, nutrition, inflammation, 881  
Algorithm, congenital abdominal cystic lesions, newborns, infants, 1215  
ALK rearranged NSCLC, serum tumor markers, carcinoembryonic antigen, CEA, cytokeratin 19 fragment, CYFRA, distant metastasis, non-small cell lung cancer, 2095  
ALK-TKI, radiotherapy, adverse events, lung adenocarcinoma, brain metastases, 247  
ALK, clinical practice, elderly, non-small cell lung cancer, anaplastic lymphoma kinase fusion gene mutation, 2001  
ALK, inflammatory myofibroblastic tumor, prostate, immunohistochemistry, 2043  
Alkaline diet, pancreatic cancer, alkalization therapy, urine pH, tumor microenvironment, bicarbonate, 2623  
Alkalization therapy, pancreatic cancer, urine pH, tumor microenvironment, alkaline diet, bicarbonate, 2623  
ALL, BCL-2, venetoclax, nilotinib, asciminib, CML, 511  
Allogeneic hematopoietic stem cell transplantation, diabetes, insulin therapy, cardiovascular risk factors, long-term survivors, 3545  
Altered fractionation, glottic cancer, radiation, hypofractionation, hyperfractionation, late-course accelerated hyperfractionation, 2769  
Amino acids, l-type amino acid transporter, JPH203, body mass index, biliary tract cancer, 2595  
Amrubicin, LS-SCLC, chemoradiotherapy, consolidation, 897  
Anaplastic lymphoma kinase fusion gene mutation, clinical practice, elderly, non-small cell lung cancer, ALK, 2001  
Anaplastic thyroid cancer, neutrophil-to-lymphocyte ratio, lenvatinib, prognostic factors, 2859  
Anastomosis leak, esophageal cancer, risk factor, 857

- Anastomosis, colorectal, healing, diabetes, TISSEEL®, animal, 659
- Anastomosis, deserosalization, healing, jejunum, technique, 2423
- Anastomosis, hartmann's procedure, anterior resection, rectal cancer, elderly, 3661
- Anastomotic leakage, circular side stapling technique, rectal cancer, 3533
- Anatomical resection, non-anatomical resection, hepatocellular carcinoma, propensity score matched analysis, Taiwan, Japan, disease-free survival, overall survival, 2607
- Anatomy, mandible, condyle, capitulum, fracture, vascularization, necrosis, 1235
- Anatomy, mandible, lingual mandibular bone depression, stafne's bone cavity, fracture, vascularization, imaging, differential diagnosis, bone tumor, 2527
- Androgen deprivation therapy, bone mineral density, osteoblasts, micro-computed tomography, bone microenvironment, 3291
- Androgen deprivation therapy, prostate cancer, radiotherapy, toxicity, proctitis, dose escalation, 757
- Aneuploidy, chromosomal abnormalities, X mosaicism, preimplantation genetic testing for aneuploidy, PGT-A, 1433
- Angiogenesis, bilateral common carotid artery occlusion, vascular dementia, hypoxia, neurogenesis, 191
- Angiogenesis, canine cutaneous histiocytoma, VEGF, CD31, 3279
- Angiogenesis, chorioallantoic membrane, MCF-7, mesenchymal stem cells, vasculogenesis, 3315
- Angiogenesis, tyrosine kinase inhibitor, sunitinib, tumor-associated macrophage, myeloid-derived suppressor cells, hypoxia, peripheral blood, 1141
- Angiosarcoma, liver, cancer, ROS1, prognosis, target therapy, 1463
- Animal, colorectal, anastomosis, healing, diabetes, TISSEEL®, 659
- Ann Arbor stage, periorbital lymphoma, ocular adnexal lymphoma, orbital lymphoma, survival, histopathology, 1965
- Anomaly, left superior vena cava, enlarged coronary sinus, clinical implications, 935
- Anterior resection, hartmann's procedure, anastomosis, rectal cancer, elderly, 3661
- Anterior segment optical coherence tomography, iris tumor, iris metastasis, aspiration cytology, 2159
- Anterolateral thoracotomy, schwannoma, giant neurogenic tumors, dumbbell tumor, 3527
- Anti-angiogenesis, liver metastases, colorectal carcinoma, chemoembolization, TACE, bevacizumab, irinotecan, tumor response, 683
- Anti-apoptotic, astragaloside IV, hepatocellular carcinoma, apoptosis, G1 arrest, 631
- Anti-EGFR, biliary tract cancer, BTC, cetuximab, panitumumab, KRAS, meta-analysis, review, 479
- Anti-oxidative stress, ascorbate peroxidase, *Cyanidioschyzon merolae*, fibroblast, reactive oxygen species, 2437
- Anti-programmed death-1 monoclonal antibody, nasopharyngeal carcinoma, nivolumab, multicenter study, immune-related adverse events, 2967
- Antibiotic consumption, multiple sclerosis, penicillin, tetracycline, 3467
- Antibodies, SARS-CoV-2, novel coronavirus, COVID-19, point-of-care testing, IgG, IgM, diagnostics, 3039
- Anticancer drug screening, transcriptomics, 3D tumoroids, glioblastoma, 199
- Anticancer, chemotherapy, melanoma, herbal, cisplatin, cisplatin-induced toxicity, 1845
- Antioxidant, aging, coffee, oxidative stress, periodontal tissue, 615
- Antioxidants, ascorbic acid, kidney, reperfusion injury, 2475
- Antiretroviral drugs, lamivudine, spermatogenesis, oogenesis, embryogenesis, reverse transcriptase, 2269
- Antiviral drugs, SARS-CoV-2, virus, tocilizumab, coronaviruses, COVID-19, review, 1597
- Antivirals, HAV, inflammasomes, interferon, zinc, 3301
- ANXA1, epithelial ovarian cancer, immunohistochemistry, prognosis, survival, 177
- Anxiety, COVID-19, breast cancer, SARS-SOV-2, DASS-21, PSS, score, health care workers, psychological well-being, multicentric study, 1685
- Anxiety, COVID-19, breast cancer, SARS-SOV-2, decision-making process, surgery refusal, surgery, 1651
- Apical lymph nodes, left-sided colorectal cancer, propensity score matching, 2981
- Apicoectomy, picosecond infrared laser, oral surgery, thermal effects, laser ablation, 2325
- Apoptosis, astragaloside IV, hepatocellular carcinoma, G1 arrest, anti-apoptotic, 631
- Apoptosis, hepatoblastoma, MEK/ERK, huai'er extract, 2381
- Apoptosis, magnolol, radiation, hepatocellular carcinoma, 1789
- Apoptosis, non-thermal plasma, pancreatic cancer, reactive oxygen species, autophagy, 143
- Apoptosis, *Picrasma quassioides*, cervical cancer, ROS, mitochondria, 1823
- Apoptosis, quetiapine, hepatocellular carcinoma, eRK/AKT activation, 2407
- Apoptosis, radiotherapy, radiosensitizing effect, NF-κB, 3217
- Arm circumference, bioimpedance analysis, arm muscle circumference, liver cirrhosis, prognosis, 687

- Arm muscle circumference, bioimpedance analysis, arm circumference, liver cirrhosis, prognosis, 687  
Artificial neural network, prediction, ku70, radiotherapy, prostate cancer, hypopharyngeal cancer, 2865  
Asciminib, BCL-2, venetoclax, nilotinib, CML, ALL, 511  
Ascites, PDOX, patient-derived orthotopic xenograft, TNBC, triple-negative breast cancer, liver metastasis, re-metastasis, lymph node, oral recombinant methioninase, treatment, 3163  
Ascorbate peroxidase, *Cyanidioschyzon merolae*, fibroblast, anti-oxidative stress, reactive oxygen species, 2437  
Ascorbic acid, antioxidants, kidney, reperfusion injury, 2475  
Aspiration cytology, iris tumor, iris metastasis, anterior segment optical coherence tomography, 2159  
Asthma, genotype, MMP2, polymorphism, promoter, Taiwan, 3181  
Astragaloside IV, hepatocellular carcinoma, apoptosis, G1 arrest, anti-apoptotic, 631  
Asymmetric fission, colon, crypt fission, morphology, 2693  
Asymptomatic lymphoma, breast lymphoma, breast MALT, extranodal lymphoma, breast cancer, 3597  
Atezolizumab, chemotherapy, lung adenocarcinoma, epipharyngeal carcinoma, 389  
Atherosclerosis, subclinical hypothyroidism, thyroid disorders, carotid artery, carotid intima-media thickness, levothyroxine, review, 3127  
Atrial fibrillation, cardioversion, catheter ablation, diastolic dysfunction, LAVI, recurrence, 889  
Atrogin-1, geranylgeraniol, skeletal muscle atrophy, 2345  
Atypical proliferative mucinous tumors, seromucinous, mucinous, borderline tumors, recurrence, 2014 World Health Organization, prognosis, 1341  
Autoimmune bullous diseases, aIBDs, bullous pemphigoid, pemphigus, comorbidities, type 2 diabetes mellitus, neuropsychiatric diseases, 2113  
Autophagy, non-thermal plasma, apoptosis, pancreatic cancer, reactive oxygen species, 143  
Autophagy, senescence, lipofuscin, lung cancer, hypoxia, glycolysis, 3187  
Axillary nodal burden, breast cancer, sentinel lymph node biopsy, 729  
Axillary staging, faxitron, IOCalizer<sup>TM</sup>, radiofrequency identification device, RFID, breast cancer, axillary surgery, targeted axillary dissection, sentinel node biopsy, 1207  
Axillary surgery, breast cancer, sentinel node biopsy, symptomatic breast cancer, 3503  
Axillary surgery, faxitron, IOCalizer<sup>TM</sup>, radiofrequency identification device, RFID, breast cancer, targeted axillary dissection, axillary staging, sentinel node biopsy, 1207  
Azelaic acid ester, insulin resistance, metabolic syndrome, type 2 diabetes, cardiovascular disease, cancer, metformin, metaflammation, dyslipidemia, lipids, obesity, 1173  
Azygos vein aneurysm, resection, mediastinal mass, 2135  
Basal cell carcinoma, dermatologic surgery, scalp lesions, squamous cell carcinoma, 2733  
Basal cell carcinoma, peritumoral clefting, MMP-2, MMP-9, histopathology, 1271  
Bazedoxifene, SARS-CoV-2, lung failure, cytokine storm, IL6, COVID-19 therapy, raloxifene, 3027  
BCL-2, venetoclax, nilotinib, asciminib, CML, ALL, 511  
BCOR, ewing-like sarcomas, chemotherapy, fusion gene, 2947  
BCR-ABL1, e6a2, CML, nilotinib, TKI therapy, 1481  
Bear-claw IMA, persistent descending mesocolon, 807  
Benign vocal fold lesions, laryngeal squamous cell carcinoma, matrix metalloproteinases, gene polymorphism, 267  
Betel quid chewing, genotype, *interleukin-16*, oral cancer, single nucleotide polymorphism, Taiwan, 1759  
Bevacizumab, advanced breast cancer, hER2-negative, propensity score matching, real world, 1377  
Bevacizumab, capecitabine, cardiac metastasis, colorectal cancer, right ventricle, 3413  
Bevacizumab, liver metastases, colorectal carcinoma, chemoembolization, TACE, anti-angiogenesis, irinotecan, tumor response, 683  
Bevacizumab, older patients, chemotherapy toxicity, ovarian cancer, 1451  
Bibliometric analysis, COVID-19, coronavirus, machine learning, management, 1613  
Bicarbonate, pancreatic cancer, alkalization therapy, urine pH, tumor microenvironment, alkaline diet, 2623  
Bilateral apical fixation, integral theory, transobturator tape, urinary incontinence, uterosacral ligaments, 1371  
Bilateral cancer, ureter, synchronous, comorbidities, 2057  
Bilateral common carotid artery occlusion, angiogenesis, vascular dementia, hypoxia, neurogenesis, 191  
Biliary neoplasm, markers, serum, leptin, cholelithiasis, 2485  
Biliary tract cancer, ABO blood group, pancreateo-duodenectomy, prognosis, 1893  
Biliary tract cancer, BTC, anti-EGFR, cetuximab, panitumumab, KRAS, meta-analysis, review, 479  
Biliary tract cancer, I-type amino acid transporter, JPH203, amino acids, body mass index, 2595  
BioBank Japan, GWAS, HCV, SNP, TGFBI, 3309  
Biodegradable materials, hydroxyapatite nanoparticles, injectable bone substitute, vertical bone augmentation, in vivo study, 1053  
Bioimpedance analysis, arm circumference, arm muscle circumference, liver cirrhosis, prognosis, 687

- Bioimpedance analysis, ECW/TBW value, overhydrated state, liver fibrosis, sarcopenia, prognosis, 1347
- Bioimpedance analysis, skeletal muscle mass index, upper limbs, liver cirrhosis, prognosis, 1165
- Biological reconstruction, masquelet technique, induced membrane, malignant bone tumor, huge bone defect, metaphysis, adult, 3495
- Biomarker, exosomes, microRNA, rheumatoid arthritis, 2941
- Biomarkers, advanced gastric cancer, immune checkpoint inhibitors, nivolumab, Glasgow Prognostic Score (GPS), 1921
- Biomarkers, frailty, muscle loss, older cancer patients, 3565
- Biomarkers, GDM, gestational diabetes mellitus, mass spectrometry, TMT isobaric labeling, nano-LC-MS/MS, prenatal screening, pregnancy complications, 517
- Biomarkers, liver, hepatocellular carcinoma, CDK8,  $\beta$ -catenin, 1387
- Biomarkers, microRNA, miR-375-3p, teratoma, testicular germ cell tumour, serum, 163
- Biomarkers, nuclear undecaprenyl pyrophosphate synthase 1(NUS1), reticulocalbin 1(RCN1), oral squamous cell carcinoma, early detection, cancer, 2353
- Biomarkers, plasma, serum, tau, NSE, S100B, stroke, TIA, simoa, 2577
- Biomarkers, systemic immune-inflammation index, kidney transplantation, delayed graft function, acute rejection, 3349
- Biopsies, histology, histological workup, histochemical staining, immunohistochemistry, histomorphometry, review, 3147
- Biphasic bone substitute (BBSM), injectable bone substitute (IBS), integration, vascularization, multinucleated giant cells, bone regeneration, guided bone regeneration (GBR), 557
- Bitches, periostin, carcinoma, adenoma, dog, 3255
- Bladder cancer, nude mice, orthotopic, GFP, imaging, non-invasive, 3225
- Bladder cancer, NVP-BEZ235, p62/SQSTM1, 1001
- Body mass index, colonic neoplasms, colorectal neoplasms, laparoscopy, obesity, 2079
- Body mass index, l-type amino acid transporter, JPH203, amino acids, biliary tract cancer, 2595
- Bone marrow density, osteopenia, pancreatic cancer, 3551
- Bone metastases, kidney cancer, radiotherapy, prognostic factor, overall survival, 767
- Bone metastases, metastatic renal cell cancer, systemic therapy, prognosis, rural care, 675
- Bone metastases, prostate cancer, multi-fraction irradiation, survival, prognostic factors, 679
- Bone microenvironment, androgen deprivation therapy, bone mineral density, osteoblasts, micro-computed tomography, 3291
- Bone mineral density, androgen deprivation therapy, osteoblasts, micro-computed tomography, bone microenvironment, 3291
- Bone powder, mesenchymal stem cell, bone morphogenic protein, osteogenesis, 1103
- Bone regeneration, injectable bone substitute (IBS), biphasic bone substitute (BBSM), integration, vascularization, multinucleated giant cells, guided bone regeneration (GBR), 557
- Bone tissue engineering, dog, ectrodactyly, limb lengthening, pancarpal arthrodesis, 815
- Bone tumor, mandible, lingual mandibular bone depression, stafne's bone cavity, fracture, anatomy, vascularization, imaging, differential diagnosis, 2527
- Bone morphogenic protein, bone powder, mesenchymal stem cell, osteogenesis, 1103
- Boost dose, brain metastasis, single lesion, seizures, neurosurgical resection, whole-brain irradiation, 2705
- Borderline tumors, seromucinous, mucinous, atypical proliferative mucinous tumors, recurrence, 2014 World Health Organization, prognosis, 1341
- BRAF inhibitors, eruptive nevi, encorafenib, adverse effect, melanocytic nevi, 441
- BRAF, odontogenic tumors, odontogenic cysts, next generation sequencing, SMO, 3233
- Brain edema, traumatic brain injury, rutin, 2453
- Brain metastases, ALK-TKI, radiotherapy, adverse events, lung adenocarcinoma, 247
- Brain metastasis, single lesion, seizures, neurosurgical resection, whole-brain irradiation, boost dose, 2705
- Brain metastases, urinary bladder cancer, elderly patients, whole-brain radiotherapy, survival prognosis, 1317
- Branching morphogenesis, cryopreservation, submandibular gland, EGF, ERK1/2, AKT, 3271
- Breast cancer subtypes, magnetic resonance imaging, breast neoplasms, neoadjuvant chemotherapy, pathological complete response (pCR), imaging complete response (iCR), 909
- Breast cancer, breast-conservative treatment, breast cancer, elderly, tailored treatment, 1125
- Breast cancer, albumin, prognosis, inflammation, immunity, 2033
- Breast cancer, axillary nodal burden, sentinel lymph node biopsy, 729
- Breast cancer, axillary surgery, sentinel node biopsy, symptomatic breast cancer, 3503
- Breast cancer, breast lymphoma, breast MALT, extranodal lymphoma, asymptomatic lymphoma, 3597
- Breast cancer, cancer, exercise, general population, health-related quality of life, physical activity, quality of life, rehabilitation, utility, 667

- Breast cancer, COVID-19, clinical management, 1667  
Breast cancer, COVID-19, SARS-SOV-2, breast cancer screening, mammography, early diagnosis, local advanced diagnosis, 3047  
Breast cancer, COVID-19, SARS-SOV-2, DASS-21, PSS, score, anxiety, health care workers, psychological well-being, multicentric study, 1685  
Breast cancer, COVID-19, SARS-SOV-2, decision-making process, surgery refusal, anxiety, surgery, 1651  
Breast cancer, COVID-19, tailored treatment, Italy, screening program, Italy, 1661  
Breast cancer, dietary fat, fish intake, omega-3/omega-6 ratio, case-control study, women's health, 423  
Breast cancer, DNA methylation, epigenetics, nitric oxide, 169  
Breast cancer, eribulin, new metastasis, 917  
Breast cancer, estrogen receptor, progesterone receptor, estradiol, progesterone, physical activity, n-methyl-N-nitrosourea, rat experimental model, 495  
Breast cancer, faxitron, iOCalizer<sup>TM</sup>, radiofrequency identification device, RFID, axillary surgery, targeted axillary dissection, axillary staging, sentinel node biopsy, 1207  
Breast cancer, FDG-PET, FDG uptake, platelet/lymphocyte ratio, neutrophil/lymphocyte ratio, inflammation, 1365  
Breast cancer, film-forming silicone gel, strataXRT, radiation dermatitis, 413  
Breast cancer, film-forming silicone gel, strataXRT, radiation dermatitis, 413MTUS1 protein, gallbladder cancer, immunohistochemistry, prognosis, microRNA, real-time polymerase chain reaction, 125  
Breast cancer, genotype, IL-4, polymorphism, Taiwan, 1111  
Breast cancer, magnetic seeds, wire localization, breast conserving therapy, non-palpable breast lesions, 1159  
Breast cancer, needle biopsy, sentinel lymph node, 355  
Breast cancer, patient-derived xenograft, PDX, patient-derived orthotopic xenograft (PDOX), nude mice, tumor implantation, surrounding tissue, co-implantation, take rate, individualized medicine, gynecological cancer, 3241  
Breast cancer, tomato juice, carotenoids, lycopene, radiotherapy, 3013  
Breast cancer, topoisomerase I, topoisomerase II alpha, 3483  
Breast cancer, triple positive, HER2- positive, hormone receptors, overall survival, trastuzumab, 3441  
Breast cancer, tumour localisation, radio-frequency tags, 233  
Breast cancer, VEGF-A, tILs, PD-L1, 2641  
Breast cancer, volumetric-modulated arc therapy, intensity-modulate radiation therapy, knowledge-based planning, 1095  
Breast cancer, young women, PD-L1, tILs, 639  
Breast cancer screening, COVID-19, breast cancer, SARS-SOV-2, mammography, early diagnosis, local advanced diagnosis, 3047  
Breast lesions, tru-Cut needle biopsy, fine needle aspiration cytology, ultrasound, male cancer, 3431  
Breast lymphoma, breast MALT, extranodal lymphoma, breast cancer, asymptomatic lymphoma, 3597  
Breast MALT, breast lymphoma, extranodal lymphoma, breast cancer, asymptomatic lymphoma, 3597  
Breast neoplasms, magnetic resonance imaging, neoadjuvant chemotherapy, pathological complete response (pCR), imaging complete response (iCR), breast cancer subtypes, 909  
breast-conservative treatment, breast cancer, breast cancer, elderly, tailored treatment, 1125  
breast cancer, breast cancer, breast-conservative treatment, elderly, tailored treatment, 1125  
Breast conserving therapy, breast cancer, magnetic seeds, wire localization, non-palpable breast lesions, 1159  
Bridge to surgery, self-expandable metal stent, SEMS, obstructive colorectal cancer, colonic decompression, 1325  
BRM270, cervical cancer, cancer stem cells, epithelial-to-mesenchymal transition, SOX2, 1085  
BTC, biliary tract cancer, anti-EGFR, cetuximab, panitumumab, KRAS, meta-analysis, review, 479  
Bullous pemphigoid, aIBDs, autoimmune bullous diseases, pemphigus, comorbidities, type 2 diabetes mellitus, neuropsychiatric diseases, 2113  
BUN to Cr ratio, malignancy, acute kidney injury, prerenal azotemia, 1515  
Butyric acid, Epstein-Barr virus, periodontitis, saliva, reactivation, 587  
C-reactive protein to albumin ratio, gallbladder carcinoma, inflammation-based prognostic score, 1901  
C-reactive protein, colorectal cancer, monocyte count, prognosis, 299  
C-reactive protein, esophageal neoplasms, albumin, nutrition, inflammation, 881  
C-reactive protein/albumin ratio, esophageal cancer, neutrophil-lymphocyte ratio, platelet-lymphocyte ratio, prognosis, 3705  
*C. elegans*, gastrointestinal cancer, early-stage, screening tests, N-NOSE, 73  
Cadaveric allograft, superior mesenteric vein, portal vein, pancreateo-duodenectomy, 787  
Cadaveric graft, pancreatic body adenocarcinoma, celiac axis resection, portal vein resection, 1521  
CAFs, periostin, POSTN, mammary tumour, carcinoma, adenoma, female dog, 1017

- CAFs, podoplanin, PDPN, mammary tumour, adenoma, female dog, 213
- Calcitonin gene-related peptide, TRPV1, obesity, renal ischemia/reperfusion, inflammation, 2259
- Calf circumference, sarcopenia, chronic liver damage, screening tool, correlation, 2561
- Calretinin, immunohistochemistry, CD56, S-100, peripherin, ganglion cells, Hirschsprung's disease, 1355
- Cancer chemoprevention, fucoxanthin, glycine, saliva, tumor microenvironment, 3205
- Cancer prognosis, clear cell renal cell carcinoma, single-stranded DNA binding protein 2, immunohistochemistry, 101
- Cancer screening, FDG, PET/CT, nuclear medicine, oncologic imaging, 469
- Cancer staging, head and neck tumours, hybrid imaging, PET/MRI, PET/CT, lymph node, 2029
- Cancer stem cells, BRM270, cervical cancer, epithelial-to-mesenchymal transition, SOX2, 1085
- Cancer stem cells, wogonin, osteosarcoma, ROS, stemness, 1077
- Cancer, biomarkers, nuclear undecaprenyl pyrophosphate synthase 1(NUS1), reticulocalbin 1(RCN1), oral squamous cell carcinoma, early detection, 2353
- Cancer, breast cancer, exercise, general population, health-related quality of life, physical activity, quality of life, rehabilitation, utility, 667
- Cancer, COVID-19, pandemic, radiotherapy, 3731
- Cancer, COVID-19, PET/CT, radiation therapy, incidental detection, 1681
- Cancer, diagnosis, tumour markers, malignant ascites, differential diagnosis, 715
- Cancer, insulin resistance, azelaic acid ester, metabolic syndrome, type 2 diabetes, cardiovascular disease, metformin, metaflammation, dyslipidemia, lipids, obesity, 1173
- Cancer, intensity-modulated radiation therapy, lymph nodes, oligometastases, oligo-recurrence, radiation therapy, 2587
- Cancer, liver, angiosarcoma, ROS1, prognosis, target therapy, 1463
- Cancer, radiotherapy, palliative treatment, performance status, symptom score, 735
- Cancer, telomere length, hematological disorders, review, 3093
- Canine cutaneous histiocytoma, angiogenesis, VEGF, CD31, 3279
- Capecitabine, 5'-DFCR, 5'-DFUR, cytidine deaminase, creatinine clearance, 3539
- Capecitabine, bevacizumab, cardiac metastasis, colorectal cancer, right ventricle, 3413
- Capitulum, mandible, condyle, fracture, anatomy, vascularization, necrosis, 1235
- Carbon ion radiotherapy, rectal cancer recurrence, re-irradiation, 1547
- Carboplatin, metastatic castration-resistant prostate cancer, neurone specific enolase, 3631
- Carcinoembryonic antigen, rectal cancer, radiomics, chemoradiotherapy, 2955
- Carcinoembryonic antigen, serum tumor markers, CEA, cytokeratin 19 fragment, CYFRA, ALK rearranged NSCLC, distant metastasis, non-small cell lung cancer, 2095
- Carcinogenesis, prostate, rodent, ultrasonography, 1797
- Carcinogenesis, ulcerative colitis, colitis associated colorectal cancer, epigenetic alteration, hypermethylation, corticotropin releasing hormone receptor 2, 57
- Carcinogenicity, gene expression, microRNA, 7, 12-dimethylbenz( $\alpha$ )anthracene, DMBA, miR-330, miR-29a, miR-9-1, miR-9-3, mTORC1, 2337
- Carcinoma, morbidity, mortality, geriatrics, gerontology, 339
- Carcinoma, periostin, adenoma, bitches, dog, 3255
- Carcinoma, periostin, POSTN, cAFs, mammary tumour, adenoma, female dog, 1017
- Carcinoma, renal-type, clear cell, prostate, immunohistochemistry, 2751
- Cardiac glycosides, virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, digitoxin, digoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Cardiac magnetic resonance, mitral regurgitation, mitral valve repair, left ventricle, left atrium, 2897
- Cardiac metastasis, bevacizumab, capecitabine, colorectal cancer, right ventricle, 3413
- Cardiac metastasis, renal cell carcinoma, nivolumab plus ipilimumab, FDG-PET/CT scan, 1475
- Cardiac papillary fibroelastomas, left ventricle, surgery, 3681
- Cardiomyocyte cell line, cigarette smoke, TSPO ligands, H9C2, LDH, 549
- Cardiovascular disease, epigenetics, DNA methylation, 361
- Cardiovascular disease, insulin resistance, azelaic acid ester, metabolic syndrome, type 2 diabetes, cancer, metformin, metaflammation, dyslipidemia, lipids, obesity, 1173
- Cardiovascular risk factors, allogeneic hematopoietic stem cell transplantation, diabetes, insulin therapy, long-term survivors, 3545
- Cardioversion, atrial fibrillation, catheter ablation, diastolic dysfunction, LAVI, recurrence, 889
- Carotenoids, tomato juice, lycopene, radiotherapy, breast cancer, 3013

- Carotid atheromatosis, essential hypertension, *M235T-AGT* genotype, *I/D-ACE* genotype, 2811  
Carotid intima-media thickness, subclinical hypothyroidism, thyroid disorders, carotid artery, levothyroxine, atherosclerosis, review, 3127  
Carotid artery, subclinical hypothyroidism, thyroid disorders, carotid intima-media thickness, levothyroxine, atherosclerosis, review, 3127  
Cartilage, MR microimaging, live imaging, malocclusion, temporomandibular joint, 95  
Case report, thymic cancer, hematological malignancy, long-term survivor, synchronous cancer, 1511  
Case-control study, breast cancer, dietary fat, fish intake, omega-3/omega-6 ratio, women's health, 423  
Casticin, human oral cancer SCC-4 cells, xenograft mice, *in vivo*, 2461  
Catheter ablation, atrial fibrillation, cardioversion, diastolic dysfunction, LAVI, recurrence, 889  
CBS, renal cell carcinoma, hydrogen sulfide, cystathionine  $\gamma$ -lyase, CSE, cystathionine  $\beta$ -synthase, 3-mercaptopyruvate sulfurtransferase, MPST, 2775  
CD31, canine cutaneous histiocytoma, angiogenesis, VEGF, 3279  
CD56, immunohistochemistry, S-100, calretinin, peripherin, ganglion cells, Hirschsprung's disease, 1355  
CD63, meta-analysis, prognosis, solid tumors, 2209  
CDK8, liver, hepatocellular carcinoma,  $\beta$ -catenin, biomarkers, 1387  
CDKN2A, P14ARF, tumour suppressor gene, single nucleotide polymorphisms (SNPs), endometrial cancer, 943  
CEA, serum tumor markers, carcinoembryonic antigen, cytokeratin 19 fragment, CYFRA, ALK rearranged NSCLC, distant metastasis, non-small cell lung cancer, 2095  
Cecal ligation and perforation, sepsis, presepsin, oxidative stress, massive bowel resection syndrome, 155  
Celiac axis resection, pancreatic body adenocarcinoma, portal vein resection, cadaveric graft, 1521  
Cell cycle, pancreatic neoplasm, gemcitabine, cyclin, microRNA, 3195  
Cell cycle, peroxiredoxin II, mesenchymal stem cells, glycogen synthase kinase 3 beta/ $\beta$ -catenin signaling, 133  
Cell line, hepatocellular carcinoma, colon cancer, liver metastasis, nude mouse, orthotopic, patient tumor, PDOX, 3137  
Cell proliferation osteogenic induction, stem cells, stem cell culture and differentiation, dimethyl sulfoxide, cryopreservation, adipogenic induction, 2363  
Central shielding, uterus cervical cancer, high-dose rate intracavitary brachytherapy, intensity-modulated radiation therapy, whole pelvic radiation therapy, 3387  
Central-shielding, cervical cancer, intensity-modulate dradiation therapy, volumetric-modulated arc therapy, rectal toxicity, 3611  
Centralised care, fibroid surgery, myomectomy, fibroid centres, 695  
Cerebral metastases, kidney cancer, elderly patients, radiotherapy, scoring instrument, survival prognosis, 1321  
Cerebral metastases, melanoma, elderly patients, whole-brain radiotherapy, survival, prognostic tool, 1361  
Cerebral metastases, stereotactic radiosurgery, fractionated stereotactic radiotherapy, elderly, treatment personalisation, 1909  
Cerebral metastasis, seizures, local therapies, prevalence, risk factors, survival, 2727  
Cervical adenocarcinoma, locally advanced, paclitaxel/cisplatin, concurrent chemoradiotherapy, 2739  
Cervical cancer, BRM270, cancer stem cells, epithelial-to-mesenchymal transition, SOX2, 1085  
Cervical cancer, central-shielding, intensity-modulate dradiation therapy, volumetric-modulated arc therapy, rectal toxicity, 3611  
Cervical cancer, inter-observer agreement, magnetic resonanc imaging, radiotherapy, 1981  
Cervical cancer, *Picrasma quassoides*, apoptosis, ROS, mitochondria, 1823  
Cervical cancer, radiotherapy, hysterectomy, 2173  
Cervical cancer, ubiquitin-associated protein 2-like, prognostic factor, RNA interference, proliferation, 109  
Cervical cancer, uterine prolapse, therapeutic strategy, 2073  
Cervical intraepithelial neoplasia, colposcopy, diagnosis, papillomaviridae, 1307  
Cervical MRI, hirayama disease, neutral position, flexion position, 2153  
Cervical vertebrae, computed tomography, cranial angle, head and neck radiotherapy, twisting, 2401  
Cervix, endocervical polyp, squamous cell carcinoma, high-grade squamous intraepithelial lesion, 2613  
Cesarean scar endometriosis, clear cell carcinoma, abdominal wall endometriosis, endometriosis, surgery, chemotherapy, 2147  
Cesarean section, hypertension, induced labor, preeclampsia, term pregnancy, 1195  
Cetuximab, biliary tract cancer, BTC, anti-EGFR, panitumumab, KRAS, meta-analysis, review, 479  
Cetuximab, head and neck squamous cell carcinoma, paclitaxel, recurrent, metastasis, 2653  
Chemoembolization, liver metastases, colorectal carcinoma, TACE, anti-angiogenesis, bevacizumab, irinotecan, tumor response, 683

- Chemokine receptor, cinnamaldehyde, CXCR4, CXCR7, temozolomide, glioma cells, 595
- Chemoradiotherapy, late toxicities, long-term results, rectal cancer, pathological complete response, 1223
- Chemoradiotherapy, LS-SCLC, consolidation, amrubicin, 897
- Chemoradiotherapy, rectal cancer, inflammatory markers, microsatellite instability, 2119
- Chemoradiotherapy, rectal cancer, lymph node ratio, log odds of positive lymph nodes, lymph node, prognosis, 1247
- Chemoradiotherapy, rectal cancer, neoadjuvant rectal score, adjuvant therapy, 283
- Chemoradiotherapy, rectal cancer, radiomics, carcinoembryonic antigen, 2955
- Chemoselection, advanced hypopharyngeal laryngeal cancer, induction chemotherapy, TPF chemotherapy, 2891
- Chemotherapy toxicity, older patients, bevacizumab, ovarian cancer, 1451
- Chemotherapy, atezolizumab, lung adenocarcinoma, epipharyngeal carcinoma, 389
- Chemotherapy, BCOR, ewing-like sarcomas, fusion gene, 2947
- Chemotherapy, clear cell carcinoma, abdominal wall endometriosis, Cesarean scar endometriosis, endometriosis, surgery, 2147
- Chemotherapy, low-grade fibromyxoid sarcoma, LGFMS, radiotherapy, chromosomal translocation, 239
- Chemotherapy, melanoma, herbal, cisplatin, anticancer, cisplatin-induced toxicity, 1845
- Childhood cancer survivors, influenza, South Korea, 929
- Chitosan, magnetic nanoparticle, affinity, uptake, cytotoxicity, inflammation, x-ray sensitivity, 1729
- Cholangiocarcinoma, malignant obstructive jaundice, percutaneous transhepatic biliary drainage, endoscopic biliary drainage, pancreatic cancer, 1701
- Cholelithiasis, biliary neoplasm, markers, serum, leptin, 2485
- Chordoma, hip arthroplasty, sacrectomy, outcome, 2517
- Chorioallantoic membrane, angiogenesis, MCF-7, mesenchymal stem cells, vasculogenesis, 3315
- Chromosomal abnormalities, aneuploidy, X mosaicism, preimplantation genetic testing for aneuploidy, PGT-A, 1433
- Chromosomal translocation, low-grade fibromyxoid sarcoma, LGFMS, chemotherapy, radiotherapy, 239
- Chronic disease, non-small cell lung cancer, 2-year survival, modern-era treatment, personalized treatment, 369
- Chronic liver damage, calf circumference, sarcopenia, screening tool, correlation, 2561
- Chronic liver damage, sarcopenia, frailty, common point, different point, 2549
- Chylous ascites, gastric cancer, peritoneal metastasis, nivolumab, conversion surgery, pseudo progression, 583
- Cigarette smoke, oxidative stress, keratinocytes, *Pinus halepensis* bark extract, nicotine, 1835
- Cigarette smoke, TSPO ligands, cardiomyocyte cell line, H9C2, LDH, 549
- Ciliary beat frequency (CBF), cocaine, human nasal epithelial cells, 3285
- Cinnamaldehyde, chemokine receptor, CXCR4, CXCR7, temozolomide, glioma cells, 595
- Circular side stapling technique, anastomotic leakage, rectal cancer, 3533
- Cisplatin-induced toxicity, chemotherapy, melanoma, herbal, cisplatin, anticancer, 1845
- Cisplatin, chemotherapy, melanoma, herbal, anticancer, cisplatin-induced toxicity, 1845
- CK1ε, melanoma, immunohistochemistry, distance metastasis, survival, 2905
- Classification, triple-negative breast cancer, molecular, targeted, therapies, review, 1715
- Claudin-4, testosterone, uterus, tight junction, occludin, 225
- Clear cell carcinoma, abdominal wall endometriosis, Cesarean scar endometriosis, endometriosis, surgery, chemotherapy, 2147
- Clear cell renal cell carcinoma, single-stranded DNA binding protein 2, immunohistochemistry, cancer prognosis, 101
- Clear cell, renal-type, carcinoma, prostate, immunohistochemistry, 2751
- Clinical implications, left superior vena cava, enlarged coronary sinus, anomaly, 935
- Clinical management, COVID-19, breast cancer, 1667
- Clinical practice, elderly, non-small cell lung cancer, anaplastic lymphoma kinase fusion gene mutation, ALK, 2001
- Clinical trials, lipid-lowering drugs, neurocognitive function, coronary heart disease, hypercholesterolemia, review, 3109
- Clostridium*, infection, osteomyelitis, trauma and injuries, 291
- CML, BCL-2, venetoclax, nilotinib, asciminib, ALL, 511
- CML, BCR-ABL1, e6a2, nilotinib, TKI therapy, 1481
- Co-implantation, patient-derived xenograft, PDX, patient-derived orthotopic xenograft (PDOX), nude mice, tumor implantation, surrounding tissue, take rate, individualized medicine, gynecological cancer, breast cancer, 3241
- CO<sub>2</sub> laser, gum disease, gingival recession, subepithelial connective tissue graft, de-epithelialization, 869
- Coagulation activity, pancreatic ductal adenocarcinoma, coagulation disorders, PT-INR, prognosis, 2845
- Coagulation disorders, pancreatic ductal adenocarcinoma, coagulation activity, PT-INR, prognosis, 2845
- Coagulation factor, major hepatectomy, post-hepatectomy liver failure, predictive model, inflammatory marker, 1255

- Cocaine, ciliary beat frequency (CBF), human nasal epithelial cells, 3285
- Coffee, aging, oxidative stress, antioxidant, periodontal tissue, 615
- Cold atmospheric plasma, cold plasma, physical therapeutic approaches, physics in medicine, review, 3103
- Cold plasma, cold atmospheric plasma, physical therapeutic approaches, physics in medicine, review, 3103
- Cold Ringer's solution perfusion, juxtarenal abdominal aortic aneurysm, renal artery clamp, renal artery perfusion, renal protection, 739
- Colitis associated colorectal cancer, ulcerative colitis, epigenetic alteration, hypermethylation, corticotropin releasing hormone receptor 2, carcinogenesis, 57
- Collagen membrane, guided Bone Regeneration (GBR), degradation, macrophages, pericardium, 985
- Collagen membrane, transparency, inflammatory tissue response, wound healing, 2287
- Colon cancer, hepatocellular carcinoma, liver metastasis, nude mouse, orthotopic, cell line, patient tumor, PDOX, 3137
- Colon cancer, HIPEC, gastric cancer, ovary cancer, 2061
- Colon cancer, ICG, fluorescence, liver metastasis, detection, orthotopic mouse model, 2277
- Colon cancer, three-dimensional, two-dimensional, 3D laparoscopy, laparoscopic surgery, rectal cancer, colorectal cancer, review, 11
- Colon, crypt fission, asymmetric fission, morphology, 2693
- Colonic decompression, self-expandable metal stent, SEMS, bridge to surgery, obstructive colorectal cancer, 1325
- Colonic neoplasms, body mass index, colorectal neoplasms, laparoscopy, obesity, 2079
- Colorectal cancer (CRC), stereotactic body radiotherapy (SBRT), oligorecurrence, pulmonary oligometastasis, 2991
- Colorectal cancer, bevacizumab, capecitabine, cardiac metastasis, right ventricle, 3413
- Colorectal cancer, c-reactive protein, monocyte count, prognosis, 299
- Colorectal cancer, peritoneal metastasis, nodule resection, 1915
- Colorectal cancer, regulatory T-cells, lymph node, immune check point, 849
- Colorectal cancer, S100A14, large intestine, immunohistochemistry, 321
- Colorectal cancer, three-dimensional, two-dimensional, 3D laparoscopy, laparoscopic surgery, colon cancer, rectal cancer, review, 11
- Colorectal cancer, ulcerative colitis, p53, serum anti-p53 antibodies, immunosuppressive therapy, 723
- Colorectal cancer orthotopic, TAG-72, fluorescent antibody, liver metastasis, nude mice, infrared fluorescence imaging, fluorescence-guided surgery, 2303
- Colorectal carcinoma location, liver metastases, risk factors, liver surgery, long, term results, 2675
- Colorectal carcinoma, doubling time, prognosis, recurrence, tumor growth rate, 3367
- Colorectal carcinoma, liver metastases, chemoembolization, TACE, anti-angiogenesis, bevacizumab, irinotecan, tumor response, 683
- Colorectal liver metastases, future liver remnant volume, portal vein embolization, stem cells, tumour stimulation, 2919
- Colorectal, anastomosis, healing, diabetes, TISSEEL®, animal, 659
- Colorectal neoplasms, body mass index, colonic neoplasms, laparoscopy, obesity, 2079
- Colposcopy, cervical intraepithelial neoplasia, diagnosis, papillomaviridae, 1307
- Combination chemotherapy, immune checkpoint inhibitor, pembrolizumab, pleomorphic carcinoma, lung, 1439
- Common point, sarcopenia, frailty, chronic liver damage, different point, 2549
- Comorbidities, aIBDs, autoimmune bullous diseases, bullous pemphigoid, pemphigus, type 2 diabetes mellitus, neuropsychiatric diseases, 2113
- Comorbidities, bilateral cancer, ureter, synchronous, 2057
- Complete remission, cutaneous squamous cell carcinoma, liver metastasis, partial hepatectomy, adjuvant chemotherapy, 825
- Complicated atherosclerotic plaque, spontaneous recanalization of coronary thrombus, optical coherence tomography, spontaneous coronary dissection, PCI optimization, 745
- Computed tomography, cervical vertebrae, cranial angle, head and neck radiotherapy, twisting, 2401
- Computed tomography, head and neck cancer, histopathology, lymph node metastasis, 2721
- Computed tomography, novel coronavirus-infected pneumonia, radiological scores, intensive care unit, death, 3735
- Concurrent chemoradiotherapy, locally advanced, cervical adenocarcinoma, paclitaxel/cisplatin, 2739
- Condyle, mandible, capitulum, fracture, anatomy, vascularization, necrosis, 1235
- Cone beam computed tomography, magnetic resonance imaging, micro-computed tomography, pulp histology, pulp inflammation, internal root resorption, 1875
- Cone-beam computed tomography, rhinoplasty, respiratory function test, tissue preservation, patient outcome assessment, 2659

- Congenital abdominal cystic lesions, newborns, infants, algorithm, 1215
- Connexin, testosterone, uterine receptivity, early pregnancy, 1863
- Consolidation, LS-SCLC, chemoradiotherapy, amrubicin, 897
- CONUT, pancreatic fistula, pancreaticoduodenectomy, 1931
- Conversion surgery, gastric cancer, peritoneal metastasis, nivolumab, chylous ascites, pseudo progression, 583
- Copper, COVID-19, treatment, remdesivir (RDV), n-acetylcysteine (NAC), EIDD-2801, review, 1567
- Coronary heart disease, lipid-lowering drugs, neurocognitive function, hypercholesterolemia, clinical trials, review, 3109
- Coronaviridae, severe acute respiratory syndrome, intensive care units, hyperglycemia, human, 3029
- Coronavirus, COVID-19, bibliometric analysis, machine learning, management, 1613
- Coronavirus, COVID-19, quarantine, Greece, 1695
- Coronavirus, medical education, COVID-19, SARS-CoV-2, tele-education, virtual learning, telemedicine, medical students, residents, review, 1603
- Coronavirus, sARs-CoV-2, covid-19, RNA genome, methyltransferase, s-adenosylmethionine, methylation, methionine restriction, methioninase, 1593
- Coronavirus, virus, influenza, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Coronaviruses, SARS-CoV-2, virus, antiviral drugs, tocilizumab, COVID-19, review, 1597
- Correlation, calf circumference, sarcopenia, chronic liver damage, screening tool, 2561
- Cortex, hypoxia, ERK, phosphate-ERK, SVZ, 649
- Corticotropin releasing hormone receptor 2, ulcerative colitis, colitis associated colorectal cancer, epigenetic alteration, hypermethylation, carcinogenesis, 57
- Course curriculum, surgical education, ESMSC course, surgical training, iG4, 503
- COVID-19 therapy, SARS-CoV-2, lung failure, cytokine storm, IL6, review, 1589
- COVID-19 therapy, SARS-CoV-2, lung failure, cytokine storm, IL6, bazedoxifene, raloxifene, 3027
- COVID-19, breast cancer, clinical management, 1667
- COVID-19, breast cancer, SARS-SOV-2, breast cancer screening, mammography, early diagnosis, local advanced diagnosis, 3047
- COVID-19, breast cancer, SARS-SOV-2, DASS-21, PSS, score, anxiety, health care workers, psychological well-being, multicentric study, 1685
- COVID-19, breast cancer, SARS-SOV-2, decision-making process, surgery refusal, anxiety, surgery, 1651
- COVID-19, breast cancer, tailored treatment, Italy, screening program, Italy, 1661
- COVID-19, coronavirus, bibliometric analysis, machine learning, management, 1613
- COVID-19, coronavirus, quarantine, Greece, 1695
- Covid-19, coronavirus, sARs-CoV-2, RNA genome, methyltransferase, s-adenosylmethionine, methylation, methionine restriction, methioninase, 1593
- COVID-19, emergency department, SARS-CoV-2, surgical emergency, first aid, lockdown, 3033
- COVID-19, ivermectin, ACE2, spike protein, 3023
- COVID-19, medical education, SARS-CoV-2, coronavirus, tele-education, virtual learning, telemedicine, medical students, residents, review, 1603
- COVID-19, ophthalmology, ocular manifestations, treatment, side-effects, prevention, review, 1619
- COVID-19, oRF1b gene, NTNG1 gene, the UCSC Genome Browser, 1633
- COVID-19, orf1bgene, nTNG1gene, haloperidol, the UCSC Genome Browser, 1629
- COVID-19, pandemic, radiotherapy, cancer, 3731
- COVID-19, PET/CT, cancer, radiation therapy, incidental detection, 1681
- COVID-19, radiotherapy, personal protective equipment, 1675
- COVID-19, SARS-CoV-2, immune checkpoint inhibitors, immune checkpoint inhibitor-related pneumonitis, severe pneumonia, 3753
- COVID-19, SARS-CoV-2, novel coronavirus, antibodies, point-of-care testing, IgG, IgM, diagnostics, 3039
- COVID-19, SARS-CoV-2, virus, antiviral drugs, tocilizumab, coronaviruses, review, 1597
- COVID-19, tracheostomy, infection, aerosolization, 3747
- COVID-19, treatment, remdesivir (RDV), copper, n-acetylcysteine (NAC), EIDD-2801, review, 1567
- COVID-19, virus, influenza, coronavirus, SARS, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Cox2, radical-scavenging activity, tetracyclines, LPS, nos2, TNF $\alpha$ , ho-1, visible light, RAW264.7 cell, 81
- Cranial angle, cervical vertebrae, computed tomography, head and neck radiotherapy, twisting, 2401
- Creatinine clearance, 5'-DFCR, 5'-DFUR, capecitabine, cytidine deaminase, 3539
- Critical care unit, intensive care unit, gynecologic oncology, cytoreduction, surgical intensive care unit, 2201
- Crizotinib, mETExon 14 Skipping, NSCLC, 1399
- CRP/Alb ratio, pancreatic ductal adenocarcinoma, prognostic factor, 347

- Cryopreservation, branching morphogenesis, submandibular gland, EGF, ERK1/2, AKT, 3271
- Cryopreservation, hepatocyte transplantation, microencapsulation, thermo-reversible gelation polymer (TGP), function, rats, 2309
- Cryopreservation, ovarian tissue transportation, fertility preservation, ovarian storage, ovarian follicle viability, follicle loss, 533
- Cryopreservation, stem cells, stem cell culture and differentiation, dimethyl sulfoxide, cell proliferation osteogenic induction, adipogenic induction, 2363
- Crypt fission, colon, asymmetric fission, morphology, 2693
- CSE, renal cell carcinoma, hydrogen sulfide, cystathionine  $\gamma$ -lyase, cystathionine  $\beta$ -synthase, CBS, 3-mercaptopyruvate sulfurtransferase, MPST, 2775
- Curative treatment, age-adjusted Charlson Comorbidity Index, esophageal cancer, 2783
- Curcumin, acetaminophen-induced hepatotoxicity, tumor necrosis factor alpha, oxidative stress, matrix metalloproteinases, 569
- Curriculum, medical students, undergraduate medical education, holistic surgical education, simulation training, professionalism, 1063
- Cutaneous squamous cell carcinoma, liver metastasis, partial hepatectomy, adjuvant chemotherapy, complete remission, 825
- CXCR4, cinnamaldehyde, chemokine receptor, CXCR7, temozolomide, glioma cells, 595
- CXCR7, cinnamaldehyde, chemokine receptor, CXCR4, temozolomide, glioma cells, 595
- Cyanidioschyzon merolae*, ascorbate peroxidase, fibroblast, anti-oxidative stress, reactive oxygen species, 2437
- Cyclin, pancreatic neoplasm, gemcitabine, cell cycle, microRNA, 3195
- CYFRA, serum tumor markers, carcinoembryonic antigen, CEA, cytokeratin 19 fragment, ALK rearranged NSCLC, distant metastasis, non-small cell lung cancer, 2095
- CYP19A1, ESR2, expression, endometriosis, 1765
- Cystathionine  $\beta$ -synthase, renal cell carcinoma, hydrogen sulfide, cystathionine  $\gamma$ -lyase, CSE, CBS, 3-mercaptopyruvate sulfurtransferase, MPST, 2775
- Cystathionine  $\gamma$ -lyase, renal cell carcinoma, hydrogen sulfide, CSE, cystathionine  $\beta$ -synthase, CBS, 3-mercaptopyruvate sulfurtransferase, MPST, 2775
- Cytidine deaminase, 5'-DFCR, 5'-DFUR, capecitabine, creatinine clearance, 3539
- Cytokeratin 19 fragment, serum tumor markers, carcinoembryonic antigen, CEA, CYFRA, ALK rearranged NSCLC, distant metastasis, non-small cell lung cancer, 2095
- Cytokine storm, SARS-CoV-2, lung failure, IL6, COVID-19 therapy, review, 1589
- Cytokine storm, SARS-CoV-2, lung failure, IL6, COVID-19 therapy, bazedoxifene, raloxifene, 3027
- Cytokine storm, virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, inflammation, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Cytokines, liver injury, ischemia-reperfusion injury, hepatic steatosis, pathophysiological changes, oxidative stress, review, 953
- Cytoreduction, critical care unit, intensive care unit, gynecologic oncology, surgical intensive care unit, 2201
- Cytoreduction, ovarian cancer, preoperative status, morbidity, 839
- Cytoreduction, right upper, ovarian cancer, 1487
- Cytotoxicity, chitosan, magnetic nanoparticle, affinity, uptake, inflammation, x-ray sensitivity, 1729
- DASS-21, COVID-19, breast cancer, SARS-SOV-2, PSS, score, anxiety, health care workers, psychological well-being, multicentric study, 1685
- De-epithelialization, gum disease, gingival recession, subepithelial connective tissue graft, CO2 laser, 869
- De-escalated therapy, early breast cancer, hER2-positive, invasive disease-free survival, real-world experience, 3713
- Death, novel coronavirus-infected pneumonia, computed tomography, radiological scores, intensive care unit, 3735
- Deauville 5-point scale, DLBCL, extranodal, interim PET/CT, SUV, 2127
- Debulking surgery, endometrial stromal sarcomas, ureteral resection, 793
- Debulking surgery, neuroendocrine carcinoma, liver metastases, Krukenberg tumors, 1527
- Debulking, omental cake, ovarian cancer, 2187
- Decision-making process, COVID-19, breast cancer, SARS-SOV-2, surgery refusal, anxiety, surgery, 1651
- Decision-to-delivery interval, emergency Cesarean section, neonatal outcome, 3341
- Definitive chemoradiotherapy, esophageal bypass, advanced esophageal cancer, esophageal perforation, 2169
- Deglutition disorders, aged, mucociliary clearance, nursing home, pneumonia, 845
- Degradation, collagen membrane, guided Bone Regeneration (GBR), macrophages, pericardium, 985
- Delayed graft function, systemic immune-inflammation index, kidney transplantation, biomarkers, acute rejection, 3349
- Demethoxycurcumin, DMC, human cervical cancer, HeLa cells, xenograft mice, 2469
- Dentoalveolar reconstruction, goose-beak particles, dog, 609

- Dermatologic surgery, basal cell carcinoma, scalp lesions, squamous cell carcinoma, 2733
- Deserosalization, anastomosis, healing, jejunum, technique, 2423
- Detection, ICG, fluorescence, colon cancer, liver metastasis, orthotopic mouse model, 2277
- Dexamethasone, drill bit, hydroxyapatite, osteogenesis, scaffold, 1857
- Diabetes, allogeneic hematopoietic stem cell transplantation, insulin therapy, cardiovascular risk factors, long-term survivors, 3545
- Diabetes, colorectal, anastomosis, healing, TISSEEL®, animal, 659
- Diabetes, methioninase, methionine restriction, MR, high-fat diet, mice, 973
- Diagnosis, cancer, tumour markers, malignant ascites, differential diagnosis, 715
- Diagnosis, cervical intraepithelial neoplasia, colposcopy, papillomaviridae, 1307
- Diagnosis, somatostatinoma, pancreas, neuroendocrine tumors, therapeutic strategies, 3573
- Diagnostic score, acute appendicitis, non-specific abdominal pain, leucocyte count, ROC, HSROC, 3327
- Diagnostic accuracy, acute appendicitis, acute abdominal pain, diagnostic score, female, male, leucocyte count, ROC, HSROC, 3687
- Diagnostics, SARS-CoV-2, novel coronavirus, COVID-19, antibodies, point-of-care testing, IgG, IgM, 3039
- Diagnostic score, acute appendicitis, acute abdominal pain, female, male, leucocyte count, ROC, HSROC, diagnostic accuracy, 3687
- Diaphragmatic lesions, neoadjuvant chemotherapy, ovarian cancer, peritoneal cancer, 1277
- Diarrhoea, afatinib, genetic polymorphism, ABCB1, 1415
- Diastolic dysfunction, atrial fibrillation, cardioversion, catheter ablation, LAVI, recurrence, 889
- Dietary fat, breast cancer, fish intake, omega-3/omega-6 ratio, case-control study, women's health, 423
- Different point, sarcopenia, frailty, chronic liver damage, common point, 2549
- Differential diagnosis, diagnosis, cancer, tumour markers, malignant ascites, 715
- Differential diagnosis, mandible, lingual mandibular bone depression, stafne's bone cavity, fracture, anatomy, vascularization, imaging, bone tumor, 2527
- Diffuse large B-cell lymphoma, larynx, DLBCL, laryngeal stenosis, immunohistochemistry, next-generation sequencing, NGS, 255
- Digitoxin, virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Digoxin, virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Dimethyl sulfoxide, stem cells, stem cell culture and differentiation, cryopreservation, cell proliferation osteogenic induction, adipogenic induction, 2363
- Disease response, osimertinib, pneumonitis, ground-glass opacities, rechallenge, review, 315
- Disease-free survival, anatomical resection, non-anatomical resection, hepatocellular carcinoma, propensity score matched analysis, Taiwan, Japan, overall survival, 2607
- Distal bile duct cancer, histone, methylation, 3619
- Distal pancreatectomy, early drain removal, 2837
- Distance metastasis, cK1 $\epsilon$ , melanoma, immunohistochemistry, survival, 2905
- Distant metastasis, lower rectal cancer, intraoperative radiotherapy, 3655
- Distant metastasis, soft tissue sarcoma, prognosis, malignant peripheral nerve sheath tumor, 1975
- Distant metastasis, serum tumor markers, carcinoembryonic antigen, CEA, cytokeratin 19 fragment, CYFRA, ALK rearranged NSCLC, non-small cell lung cancer, 2095
- DLBCL, extranodal, interim PET/CT, SUV, deauville5-point scale, 2127
- DLBCL, larynx, diffuse large B-cell lymphoma, laryngeal stenosis, immunohistochemistry, next-generation sequencing, NGS, 255
- DMBA, gene expression, microRNA, carcinogenicity, 7, 12-dimethylbenz( $\alpha$ )anthracene, miR-330, miR-29a, miR-9-1, miR-9-3, mTORC1, 2337
- DMC, demethoxycurcumin, human cervical cancer, HeLa cells, xenograft mice, 2469
- DNA methylation, cardiovascular disease, epigenetics, 361
- DNA methylation, epigenetics, breast cancer, nitric oxide, 169
- DNA repair genes, prostate cancer, next generation sequencing, germline mutations, 1773
- Dog, bone tissue engineering, ectrodactyly, limb lengthening, pancarpal arthrodesis, 815
- Dog, goose-beak particles, dentoalveolar reconstruction, 609
- Dog, periostin, carcinoma, adenoma, bitches, 3255
- Dose escalation, prostate cancer, radiotherapy, toxicity, proctitis, androgen deprivation therapy, 757
- Dose-escalation, ixazomib, lenalidomide, safety, effectiveness, relapsed/refractory multiple myeloma, 2821

- Dose-function histogram, hepatocellular carcinoma, volumetric modulated arc radiotherapy, stereotactic body radiation therapy, re-irradiation, single-photon emission computed tomography, radiation-induced liver disease, 3583
- Dose-volume histogram, hematuria, rectal hemorrhage, prostate cancer, postoperative radiation therapy, 1289
- Dose distribution, treatment planning system, volumetric arc therapy, irradiation, MLC transmission, dosimetric leaf gap, 1503
- Dosimetric leaf gap, treatment planning system, volumetric arc therapy, dose distribution, irradiation, MLC transmission, 1503
- Doubling time, colorectal carcinoma, prognosis, recurrence, tumor growth rate, 3367
- Down syndrome, sphenoo-occipital synchondrosis, skull base, fracture, ossification, 1427
- Drill bit, dexamethasone, hydroxyapatite, osteogenesis, scaffold, 1857
- Drug concentration, nanocomposite particles, nanoparticles, PLGA, inhalation, rifampicin, 543
- Dumbbell tumor, schwannoma, anterolateral thoracotomy, giant neurogenic tumors, 3527
- Dyslipidemia, insulin resistance, azelaic acid ester, metabolic syndrome, type 2 diabetes, cardiovascular disease, cancer, metformin, metaflammation, lipids, obesity, 1173
- E-cadherin, syndecan-1, radiotherapy, NSCLC, immunohistochemistry, 453
- E. coli*, *Lactobacillus reuteri*, interleukin-22, total body irradiation, radiation mitigators, 39
- E6a2, BCR-ABL1, CML, nilotinib, TKI therapy, 1481
- Early breast cancer, hER2-positive, invasive disease-free survival, de-escalated therapy, real-world experience, 3713
- Early detection, biomarkers, nuclear undecaprenyl pyrophosphate synthase 1(NUS1), reticulocalbin 1(RCN1), oral squamous cell carcinoma, cancer, 2353
- Early diagnosis, COVID-19, breast cancer, SARS-SOV-2, breast cancer screening, mammography, local advanced diagnosis, 3047
- Early drain removal, distal pancreatectomy, 2837
- Early feeding, 24% oral sucrose solution, neonatal hypoglycemia, high-risk infants, 1493
- Early-stage, gastrointestinal cancer, screening tests, N-NOSE, *C. elegans*, 73
- Early pregnancy, testosterone, connexin, uterine receptivity, 1863
- Ectrodactyly, bone tissue engineering, dog, limb lengthening, pancarpal arthrodesis, 815
- ECW/TBW value, bioimpedance analysis, overhydrated state, liver fibrosis, sarcopenia, prognosis, 1347
- Effectiveness, ixazomib, dose-escalation, lenalidomide, safety, relapsed/refractory multiple myeloma, 2821
- Efflux pump genes, multidrug resistance, efflux pump, promethazine, *Escherichia coli* K-12 AG100, pH-dependent, 65
- Efflux pump, multidrug resistance, promethazine, *Escherichia coli* K-12 AG100, efflux pump genes, pH-dependent, 65
- EGF, cryopreservation, branching morphogenesis, submandibular gland, ERK1/2, AKT, 3271
- EGFR, non-small cell lung cancer, oligo-progression, high-dose radiotherapy, 2009
- EIDD-2801, COVID-19, treatment, remdesivir (RDV), copper, n-acetylcysteine (NAC), review, 1567
- Ejection fraction, takotsubo, ACS, 3639
- Elderly patient, tympanoplasty outcome, 1395
- Elderly patients, gastric cancer, gastrectomy, short-term outcomes, long-term outcomes, 2697
- Elderly patients, kidney cancer, cerebral metastases, radiotherapy, scoring instrument, survival prognosis, 1321
- Elderly patients, melanoma, cerebral metastases, whole-brain radiotherapy, survival, prognostic tool, 1361
- Elderly patients, single brain metastasis, surgery, whole-brain irradiation, radiation boost, overall survival, 1421
- Elderly patients, urinary bladder cancer, brain metastases, whole-brain radiotherapy, survival prognosis, 1317
- elderly, breast cancer, breast-conservative treatment, breast cancer, tailored treatment, 1125
- Elderly, cerebral metastases, stereotactic radiosurgery, fractionated stereotactic radiotherapy, treatment personalisation, 1909
- Elderly, clinical practice, non-small cell lung cancer, anaplastic lymphoma kinase fusion gene mutation, ALK, 2001
- Elderly, hartmann's procedure, anterior resection, anastomosis, rectal cancer, 3661
- Elderly patients, laparoscopic total gastrectomy, gastric cancer, nutritional state, 2933
- Embryogenesis, lamivudine, spermatogenesis, oogenesis, antiretroviral drugs, reverse transcriptase, 2269
- Emergency Cesarean section, decision-to-delivery interval, neonatal outcome, 3341
- Emergency department, COVID-19, SARS-CoV-2, surgical emergency, first aid, lockdown, 3033
- Encorafenib, eruptive nevi, BRAF inhibitors, adverse effect, melanocytic nevi, 441
- Endocervical polyp, cervix, squamous cell carcinoma, high-grade squamous intraepithelial lesion, 2613
- Endometrial cancer, CDKN2A, P14ARF, tumour suppressor gene, single nucleotide polymorphisms (SNPs), 943

- Endometrial cancer, metabolic syndrome, obesity, 2913  
Endometrial cancer, pegfilgrastim, neutropenia, hospitalisation, 3669  
Endometrial dating, estrogen receptor, progesterone receptor, endometrial receptivity, window of implantation, 1951  
Endometrial receptivity, endometrial dating, estrogen receptor, progesterone receptor, window of implantation, 1951  
Endometrial stromal sarcomas, ureteral resection, debulking surgery, 793  
Endometriosis, clear cell carcinoma, abdominal wall endometriosis, Cesarean scar endometriosis, surgery, chemotherapy, 2147  
Endometriosis, CYP19A1, ESR2, expression, 1765  
Endoplasmic reticulum stress, SARS-COV-2, pneumonia, GRP78, 1645  
Endoscopic biliary drainage, malignant obstructive jaundice, percutaneous transhepatic biliary drainage, pancreatic cancer, cholangiocarcinoma, 1701  
Endothelial cell-specific molecule-1, gastric cancer, ESM-1, adjuvant chemotherapy, S-1, 461  
Enlarged coronary sinus, left superior vena cava, anomaly, clinical implications, 935  
Environment, olive oil mill wastewater, glutathione S-transferase, superoxide dismutase,  $\gamma$ -glutamate–cysteine ligase, 1811  
Epidemiological, zygomatic, fracture, trauma, etiology, 2049  
Epidemiology, non-melanoma skin cancer, Mohs micrographic surgery, 2107  
Epigenetic alteration, ulcerative colitis, colitis associated colorectal cancer, hypermethylation, corticotropin releasing hormone receptor 2, carcinogenesis, 57  
Epigenetics, cardiovascular disease, DNA methylation, 361  
Epigenetics, DNA methylation, breast cancer, nitric oxide, 169  
Epipharyngeal carcinoma, atezolizumab, chemotherapy, lung adenocarcinoma, 389  
Epithelial ovarian cancer, ANXA1, immunohistochemistry, prognosis, survival, 177  
Epithelial-to-mesenchymal transition, BRM270, cervical cancer, cancer stem cells, SOX2, 1085  
Epstein-Barr virus, periodontitis, butyric acid, saliva, reactivation, 587  
Eribulin, new metastasis, breast cancer, 917  
ERK pathway, selenium, thyroid cancer, MEK-ERK inhibitor, U0126, 185  
ERK, hypoxia, phosphate-ERK, cortex, SVZ, 649  
ERK/AKT activation, quetiapine, hepatocellular carcinoma, apoptosis, 2407  
ERK1/2, cryopreservation, branching morphogenesis, submandibular gland, EGF, AKT, 3271  
Erlotinib, osimertinib, PC-9-GFP, non-small cell lung cancer, nude mice, 1027  
Eruptive nevi, encorafenib, BRAF inhibitors, adverse effect, melanocytic nevi, 441  
Erwinia, l-asparaginase, acute lymphoblastic leukemia, 2419  
*Escherichia coli* K-12 AG100, multidrug resistance, efflux pump, promethazine, efflux pump genes, pH-dependent, 65  
ESM-1, gastric cancer, endothelial cell-specific molecule-1, adjuvant chemotherapy, S-1, 461  
ESMSC course, surgical education, surgical training, course curriculum, iG4, 503  
Esophageal bypass, advanced esophageal cancer, esophageal perforation, definitive chemoradiotherapy, 2169  
Esophageal bypass, squamous cell carcinoma, esophagobrochial fistula, 3D laparoscopy, 2163  
Esophageal cancer, anastomosis leak, risk factor, 857  
Esophageal cancer, lymph node ratio, survival, recurrence, 2087  
Esophageal cancer, lymph node, survival, recurrence, 2021  
Esophageal cancer, neutrophil-lymphocyte ratio, platelet-lymphocyte ratio, c-reactive protein/albumin ratio, prognosis, 3705  
Esophageal cancer, platelet-to-lymphocyte ratio, prognostic factors, 1941  
Esophageal Neoplasms, c-reactive protein, albumin, nutrition, inflammation, 881  
Esophageal perforation, esophageal bypass, advanced esophageal cancer, definitive chemoradiotherapy, 2169  
Esophageal squamous cell carcinoma, prognostic nutritional index, neoadjuvant chemotherapy, esophagectomy, prognosis, 3451  
Esophageal cancer, age-adjusted Charlson Comorbidity Index, curative treatment, 2783  
Esophagectomy, prognostic nutritional index, esophageal squamous cell carcinoma, neoadjuvant chemotherapy, prognosis, 3451  
Esophagobrochial fistula, esophageal bypass, squamous cell carcinoma, 3D laparoscopy, 2163  
ESR2, CYP19A1, expression, endometriosis, 1765  
Essential hypertension, carotid atheromatosis, *M235T-AGT* genotype, *I/D-ACE* genotype, 2811  
Estradiol, estrogen receptor, progesterone receptor, progesterone, breast cancer, physical activity, n-methyl-N-nitrosourea, rat experimental model, 495  
Estrogen receptor, endometrial dating, progesterone receptor, endometrial receptivity, window of implantation, 1951  
Estrogen receptor, progesterone receptor, estradiol, progesterone, breast cancer, physical activity, n-methyl-N-nitrosourea, rat experimental model, 495

- Etiology, zygomatic, fracture, trauma, epidemiological, 2049  
Ewing-like sarcomas, BCOR, chemotherapy, fusion gene, 2947  
Exercise, breast cancer, cancer, general population, health-related quality of life, physical activity, quality of life, rehabilitation, utility, 667  
Exosomes, microRNA, rheumatoid arthritis, biomarker, 2941  
Expression, CYP19A1, ESR2, endometriosis, 1765  
Extended resections, postoperative complications, vulvar cancer, 447  
External beam radiation therapy, vulvar carcinoma, inguinal lymph node, 3-dimensional radiation therapy, gynecologic malignancies, 307  
Extranodal lymphoma, breast lymphoma, breast MALT, breast cancer, asymptomatic lymphoma, 3597  
Extranodal, DLBCL, interim PET/CT, SUV, deauville5-point scale, 2127  
Fanconi anemia, genotype, JP4-039, total body irradiation, 33  
Fatty liver, methioninase, methionine restriction, MR, NAFLD, mice, 979  
Faxitron, iOCalizer™, radiofrequency identification device, RFID, breast cancer, axillary surgery, targeted axillary dissection, axillary staging, sentinel node biopsy, 1207  
FDG uptake, FDG-PET, breast cancer, platelet/lymphocyte ratio, neutrophil/lymphocyte ratio, inflammation, 1365  
FDG-PET, FDG uptake, breast cancer, platelet/lymphocyte ratio, neutrophil/lymphocyte ratio, inflammation, 1365  
FDG-PET/CT scan, renal cell carcinoma, cardiac metastasis, nivolumab plus ipilimumab, 1475  
FDG, cancer screening, PET/CT, nuclear medicine, oncologic imaging, 469  
Feeding artery, mesenchymal tumor, orbital tumor, solitary fibrous tumor, 3649  
Female dog, periostin, POSTN, cAFs, mammary tumour, carcinoma, adenoma, 1017  
Female dog, podoplanin, PDPN, cAFs, mammary tumour, adenoma, 213  
Female, acute appendicitis, acute abdominal pain, diagnostic score, male, leucocyte count, ROC, HSROC, diagnostic accuracy, 3687  
Femoropopliteal lesions, restenosis, spot stenting, stent fracture, target lesion revascularization, 433  
Fertility preservation, ovarian tissue transportation, cryopreservation, ovarian storage, ovarian follicle viability, follicle loss, 533  
FGF2, nF- $\kappa$ B, relA, osteoblast, pR55 $\beta$ , PP2A, 601  
Fibroblast, ascorbate peroxidase, *Cyanidioschyzon merolae*, anti-oxidative stress, reactive oxygen species, 2437  
Fibroid centres, fibroid surgery, myomectomy, centralised care, 695  
Fibroid surgery, myomectomy, centralised care, fibroid centres, 695  
Film-forming silicone gel, strataXRT, radiation dermatitis, breast cancer, 413  
Film-forming silicone gel, strataXRT, radiation dermatitis, breast cancer, 413MTUS1 protein, gallbladder cancer, immunohistochemistry, prognosis, microRNA, real-time polymerase chain reaction, 125  
Filtration efficiency, micro-droplets, pandemics, mask materials, SARS-CoV-2, sneeze velocity, 1637  
Fine needle aspiration cytology, tru-Cut needle biopsy, ultrasound, breast lesions, male cancer, 3431  
First aid, COVID-19, emergency department, SARS-CoV-2, surgical emergency, lockdown, 3033  
Fish intake, breast cancer, dietary fat, omega-3/omega-6 ratio, case-control study, women's health, 423  
Flexion position, hirayama disease, cervical MRI, neutral position, 2153  
Fluorescence-guided surgery, TAG-72, fluorescent antibody, colorectal cancer orthotopic, liver metastasis, nude mice, infrared fluorescence imaging, 2303  
Fluorescence, ICG, colon cancer, liver metastasis, detection, orthotopic mouse model, 2277  
Fluorescence, indocyanine green, parathyroid glands, thyroidectomy, parathyroidectomy, review, 23  
Fluorescence, schwannoma, hepatoduodenal ligament, laparoscopic resection, indocyanine green, 2037  
Fluorescent antibody, TAG-72, colorectal cancer orthotopic, liver metastasis, nude mice, infrared fluorescence imaging, fluorescence-guided surgery, 2303  
Fluoroscopy, total knee arthroplasty, radiographic images, x-ray, accuracy, precision, 2521  
Focal therapy, personalized medicine, prostate cancer, hDRbrachytherapy, VMAT, helical tomotherapy, toxicity, 1297  
Follicle loss, ovarian tissue transportation, fertility preservation, cryopreservation, ovarian storage, ovarian follicle viability, 533  
Follow up, systematic review, malignant tumor, soft tissue sarcoma, 3057  
Fournier's Gangrene, vacuum-assisted closure therapy, wound healing, 1499  
Fractionated stereotactic radiotherapy, cerebral metastases, stereotactic radiosurgery, elderly, treatment personalisation, 1909  
Fracture, mandible, condyle, capitulum, anatomy, vascularization, necrosis, 1235  
Fracture, mandible, lingual mandibular bone depression, stafne's bone cavity, anatomy, vascularization, imaging, differential diagnosis, bone tumor, 2527

- Fracture, neoplasm metastasis, pathologic fracture, 3519  
Fracture, spheno-occipital synchondrosis, down syndrome, skull base, ossification, 1427  
Fracture, zygomatic, trauma, etiology, epidemiological, 2049  
Frailty, biomarkers, muscle loss, older cancer patients, 3565  
Frailty, sarcopenia, chronic liver damage, common point, different point, 2549  
Fucoxanthin, glycine, cancer chemoprevention, saliva, tumor microenvironment, 3205  
Function, hepatocyte transplantation, microencapsulation, cryopreservation, thermo-reversible gelation polymer (TGP), rats, 2309  
Functional endoscopic sinus surgery, adult rhinology, age, Taiwan, 2571  
Fusion gene, BCOR, ewing-like sarcomas, chemotherapy, 2947  
Future liver remnant volume, colorectal liver metastases, portal vein embolization, stem cells, tumour stimulation, 2919  
G1 arrest, astragaloside IV, hepatocellular carcinoma, apoptosis, anti-apoptotic, 631  
Gallbladder cancer, film-forming silicone gel, strataXRT, radiation dermatitis, breast cancer, 413MTUS1 protein, immunohistochemistry, prognosis, microRNA, real-time polymerase chain reaction, 125  
Gallbladder carcinoma, c-reactive protein to albumin ratio, inflammation-based prognostic score, 1901  
Ganglion cells, immunohistochemistry, CD56, S-100, calretinin, peripherin, Hirschsprung's disease, 1355  
Gastrectomy, gastric cancer, elderly patients, short-term outcomes, long-term outcomes, 2697  
Gastric cancer, elderly patients, gastrectomy, short-term outcomes, long-term outcomes, 2697  
Gastric cancer, endothelial cell-specific molecule-1, ESM-1, adjuvant chemotherapy, S-1, 461  
Gastric cancer, Glasgow prognostic score, neutrophil to lymphocyte ratio, prognostic nutrition index, prognostic value, survival, 2851  
Gastric cancer, HIPEC, colon cancer, ovary cancer, 2061  
Gastric cancer, irinotecan, third-line chemotherapy, progression-free survival, 903  
Gastric cancer, laparoscopic total gastrectomy, elderly patients, nutritional state, 2933  
Gastric cancer, lymphovascular invasion, prognostic factor, 1533  
Gastric cancer, nutritional assessment tool, postoperative complication, Glasgow prognostic score, 2803  
Gastric cancer, PD-L1, tumor cell, immune cell, prognosis, 3171  
Gastric cancer, peritoneal metastasis, nivolumab, chylous ascites, conversion surgery, pseudo progression, 583  
Gastrointestinal cancer, early-stage, screening tests, N-NOSE, *C. elegans*, 73  
Gastrointestinal stromal tumor, second malignancy, prognostic factor, second cancer, 1201  
Gastrointestinal tract cancer, rivaroxaban, low-molecular-weight heparin, venous thromboembolism, hepatopancreatobiliary cancer, 829  
GDM, biomarkers, gestational diabetes mellitus, mass spectrometry, TMT isobaric labeling, nano-LC-MS/MS, prenatal screening, pregnancy complications, 517  
Gemcitabine, pancreatic neoplasm, cell cycle, cyclin, microRNA, 3195  
Gender, age, genotype, *MMP7*, polymorphism, pterygium, Taiwan, 51  
Gene expression, microRNA, carcinogenicity, 7, 12-dimethylbenz( $\alpha$ )anthracene, DMBA, miR-330, miR-29a, miR-9-1, miR-9-3, mTORC1, 2337  
Gene polymorphism, laryngeal squamous cell carcinoma, matrix metalloproteinases, benign vocal fold lesions, 267  
Gene polymorphisms, age-related macular degeneration, *IL1RL1*rs1041973, *IL1RAP*rs4624606, treatment, 2443  
Gene polymorphisms, relative leukocyte telomere length, oral squamous cell carcinoma, 1739  
General population, breast cancer, cancer, exercise, health-related quality of life, physical activity, quality of life, rehabilitation, utility, 667  
Genetic polymorphism, afatinib, diarrhoea, ABCB1, 1415  
Genotype, age, gender, *MMP7*, polymorphism, pterygium, Taiwan, 51  
Genotype, asthma, MMP2, polymorphism, promoter, Taiwan, 3181  
Genotype, betel quid chewing, *interleukin-16*, oral cancer, single nucleotide polymorphism, Taiwan, 1759  
Genotype, breast cancer, IL-4, polymorphism, Taiwan, 1111  
Genotype, Fanconi anemia, JP4-039, total body irradiation, 33  
Genotype, *interleukin-16*, lung cancer, single nucleotide polymorphism, 1117  
Genotypes, mouse double minute 2, MDM2, polymorphisms, lung cancer, Taiwan, 1047  
Geranylgeraniol, skeletal muscle atrophy, atrogin-1, 2345  
Geriatrics, carcinoma, morbidity, mortality, gerontology, 339  
Germline mutations, prostate cancer, next generation sequencing, dNARepair genes, 1773  
Gerontology, carcinoma, morbidity, mortality, geriatrics, 339  
Gestational age, kidney injury biomarkers, maternal hypertension, patent ductus arteriosus, very-low-birth-weight preterm infants, 1333

- Gestational diabetes mellitus, biomarkers, GDM, mass spectrometry, TMT isobaric labeling, nano-LC-MS/MS, prenatal screening, pregnancy complications, 517
- GFP, bladder cancer, nude mice, orthotopic, imaging, non-invasive, 3225
- Giant neurogenic tumors, schwannoma, anterolateral thoracotomy, dumbbell tumor, 3527
- Gingival recession, gum disease, subepithelial connective tissue graft, CO<sub>2</sub> laser, de-epithelization, 869
- Glasgow Prognostic Score (GPS), advanced gastric cancer, immune checkpoint inhibitors, nivolumab, biomarkers, 1921
- Glasgow prognostic score, gastric cancer, neutrophil to lymphocyte ratio, prognostic nutrition index, prognostic value, survival, 2851
- Glasgow prognostic score, nutritional assessment tool, gastric cancer, postoperative complication, 2803
- Glioblastoma, transcriptomics, 3D tumoroids, anticancer drug screening, 199
- Glioma cells, cinnamaldehyde, chemokine receptor, CXCR4, CXCR7, temozolomide, 595
- Glissonean pedicle, indocyanine green, liver, hepatic segment, labeling, liver metastasis, patient-derived orthotopic xenograph, PDOX, ligation, imaging, nude mouse, 3143
- Glottic cancer, radiation, hypofractionation, hyperfractionation, late-course accelerated hyperfractionation, altered fractionation, 2769
- Glutathione S-transferase, olive oil mill wastewater, superoxide dismutase,  $\gamma$ -glutamate–cysteine ligase, environment, 1811
- Glycine, fucoxanthin, cancer chemoprevention, saliva, tumor microenvironment, 3205
- Glycogen synthase kinase 3 beta/ $\beta$ -catenin signaling, peroxiredoxin II, cell cycle, mesenchymal stem cells, 133
- Glycolysis, senescence, lipofuscin, lung cancer, hypoxia, autophagy, 3187
- Goose-beak particles, dentoalveolar reconstruction, dog, 609
- Grade II gliomas, radiotherapy, local control, survival, prognostic factors, 3719
- Grade III glioma, neurosurgical intervention, irradiation, local tumor control, survival, 3627
- Greece, coronavirus, COVID-19, quarantine, 1695
- GRO/KC, virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , MIP-2, MCP1, iFN $\gamma$ , 3723
- Ground-glass opacities, osimertinib, pneumonitis, disease response, rechallenge, review, 315
- GRP78, endoplasmic reticulum stress, SARS-CoV-2, pneumonia, 1645
- GSK3 antagonist, pulp, wnt/ $\beta$ -catenin signal, 1071
- Guided bone regeneration (GBR), injectable bone substitute (IBS), biphasic bone substitute (BBSM), integration, vascularization, multinucleated giant cells, bone regeneration, 557
- Guided Bone Regeneration (GBR), collagen membrane, degradation, macrophages, pericardium, 985
- Gum disease, gingival recession, subepithelial connective tissue graft, CO<sub>2</sub> laser, de-epithelization, 869
- GWAS, bioBank Japan, HCV, SNP, TGFB1, 3309
- Gynecologic malignancies, vulvar carcinoma, inguinal lymph node, external beam radiation therapy, 3-dimensional radiation therapy, 307
- Gynecological cancer, patient-derived xenograft, PDX, patient-derived orthotopic xenograft (PDOX), nude mice, tumor implantation, surrounding tissue, co-implantation, take rate, individualized medicine, breast cancer, 3241
- Gynecologic oncology, critical care unit, intensive care unit, cytoreduction, surgical intensive care unit, 2201
- H1-antihistamines, ramucirumab, infusion-related reactions, monoclonal antibodies, 3489
- H9C2, cigarette smoke, TSPO ligands, cardiomyocyte cell line, LDH, 549
- Haemoglobin, prostate cancer, radiotherapy, haemogram, leukocytes, thrombocytes, helical tomotherapy, IMRT, medical costs, 1555
- Haemogram, prostate cancer, radiotherapy, leukocytes, thrombocytes, haemoglobin, helical tomotherapy, IMRT, medical costs, 1555
- Haloperidol, COVID-19, *orf1bgene*, nTNG1gene, the UCSC Genome Browser, 1629
- Hamster, 3D printing, resin, tracheostomy, tube, 1749
- Hartmann's procedure, anterior resection, anastomosis, rectal cancer, elderly, 3661
- HAV, antivirals, inflamasomes, interferon, zinc, 3301
- HCV, bioBank Japan, GWAS, SNP, TGFB1, 3309
- HDR brachytherapy, personalized medicine, prostate cancer, VMAT, helical tomotherapy, focal therapy, toxicity, 1297
- Head and neck cancer, computed tomography, histopathology, lymph node metastasis, 2721
- Head and neck cancer, radiotherapy, toxicity, xerostomia, treatment, survival, multidisciplinary team, 623
- Head and neck radiotherapy, cervical vertebrae, computed tomography, cranial angle, twisting, 2401
- Head and neck squamous cell carcinoma, paclitaxel, cetuximab, recurrent, metastasis, 2653
- Head and neck tumours, hybrid imaging, PET/MRI, PET/CT, cancer staging, lymph node, 2029

- Head and neck, solitary extramedullary plasmacytoma, Taiwan, 261
- Head and neck, odontogenic tumor, sinonasal tumor, nasal polyp, rare tumor, adamantinoma, review, 2249
- Healing, anastomosis, deserosalization, jejunum, technique, 2423
- Healing, colorectal, anastomosis, diabetes, TISSEEL®, animal, 659
- Health-related quality of life, breast cancer, cancer, exercise, general population, physical activity, quality of life, rehabilitation, utility, 667
- Heart failure, malignant tumor, acute myocardial infarction, 3589
- Heart insufficiency, wearable cardioverter defibrillator (WCD), sudden cardiac death, 3601
- Health care workers, COVID-19, breast cancer, SARS-SOV-2, DASS-21, PSS, score, anxiety, psychological well-being, multicentric study, 1685
- HeLa cells, demethoxycurcumin, DMC, human cervical cancer, xenograft mice, 2469
- Helical tomotherapy, personalized medicine, prostate cancer, hDRbrachytherapy, VMAT, focal therapy, toxicity, 1297
- Helical tomotherapy, prostate cancer, radiotherapy, haemogram, leukocytes, thrombocytes, haemoglobin, IMRT, medical costs, 1555
- Hematological disorders, telomere length, cancer, review, 3093
- Hematological malignancy, physical impairment, monitoring, quality of life, hematopoietic stem cell transplantation, 771
- Hematological malignancy, thymic cancer, long-term survivor, synchronous cancer, case report, 1511
- Hematological malignancy, malignant priapism, penile tumors, review, 2225
- Hematology, mediastinal lymphoma, radiotherapy, target volume, 1407
- Hematopoietic stem cell transplantation, physical impairment monitoring, quality of life, hematological malignancy, 771
- Hematuria, rectal hemorrhage, prostate cancer, postoperative radiation therapy, dose-volume histogram, 1289
- Hepatectomy, hepatocellular carcinoma, recurrence, 1265
- Hepatic arterial infusion chemotherapy, metastatic breast cancer, liver metastasis, 275
- Hepatic artery resection, portal vein resection, reconstruction, locally advanced pancreatic cancer, 2791
- Hepatic segment, indocyanine green, liver, labeling, liver metastasis, patient-derived orthotopic xenograft, PDOX, glissonean pedicle, ligation, imaging, nude mouse, 3143
- Hepatic xanthogranuloma, simple liver cyst, intracystic hemorrhage, 2067
- Hepatic steatosis, liver injury, ischemia-reperfusion injury, pathophysiological changes, oxidative stress, cytokines, review, 953
- Hepatoblastoma, MEK/ERK, huai'er extract, apoptosis, 2381
- Hepatocellular carcinoma, anatomical resection, non-anatomical resection, propensity score matched analysis, Taiwan, Japan, disease-free survival, overall survival, 2607
- Hepatocellular carcinoma, astragaloside IV, apoptosis, G1 arrest, anti-apoptotic, 631
- Hepatocellular carcinoma, colon cancer, liver metastasis, nude mouse, orthotopic, cell line, patient tumor, PDOX, 3137
- Hepatocellular carcinoma, immunohistochemistry, WNK1, prognostic marker, survival, 2631
- Hepatocellular carcinoma, liver cancer, radiofrequency ablation, microwave ablation, 3421
- Hepatocellular carcinoma, liver, CDK8, β-catenin, biomarkers, 1387
- Hepatocellular carcinoma, magnolol, radiation, apoptosis, 1789
- Hepatocellular carcinoma, quetiapine, eRK/AKT activation, apoptosis, 2407
- Hepatocellular carcinoma, radioembolization, 2763
- Hepatocellular carcinoma, recurrence, hepatectomy, 1265
- Hepatocellular carcinoma, translation, prognosis, survival, 2491
- Hepatocellular carcinoma, volumetric modulated arc radiotherapy, stereotactic body radiation therapy, re-irradiation, dose-function histogram, single-photon emission computed tomography, radiation-induced liver disease, 3583
- Hepatocellular carcinoma, hepatoma-derived growth factor, microRNA, prognosis, 2297
- Hepatocyte transplantation, microencapsulation, cryopreservation, thermo-reversible gelation polymer (TGP), function, rats, 2309
- Hepatoduodenal ligament, schwannoma, fluorescence, laparoscopic resection, indocyanine green, 2037
- Hepatoma-derived growth factor, hepatocellular carcinoma, microRNA, prognosis, 2297
- Hepatopancreatobiliary cancer, rivaroxaban, low-molecular-weight heparin, venous thromboembolism, gastrointestinal tract cancer, 829
- HER2-positive, breast cancer, triple positive, hormone receptors, overall survival, trastuzumab, 3441
- HER2-negative, advanced breast cancer, bevacizumab, propensity score matching, real world, 1377
- HER2-positive, early breast cancer, invasive disease-free survival, de-escalated therapy, real-world experience, 3713
- Herbal, chemotherapy, melanoma, cisplatin, anticancer, cisplatin-induced toxicity, 1845

- High dose chemotherapy, relapsed germ cell cancer, stem cell transplant, survival, 3675
- High fat diet, methioninase, methionine restriction, MR, obesity, mice, 489
- High-dose methotrexate, osteosarcoma, risk factor, 3459
- High-dose radiotherapy, non-small cell lung cancer, EGFR, oligo-progression, 2009
- High-dose rate intracavitary brachytherapy, uterus cervical cancer, intensity-modulated radiation therapy, whole pelvic radiation therapy, central shielding, 3387
- High-fat diet, methioninase, methionine restriction, MR, diabetes, mice, 973
- High-grade squamous intraepithelial lesion, cervix, endocervical polyp, squamous cell carcinoma, 2613
- High-risk infants, 24% oral sucrose solution, neonatal hypoglycemia, early feeding, 1493
- High-sensitive C-reactive protein, stroke, periodontitis, 2829
- Hip arthroplasty, sacrectomy, chordoma, outcome, 2517
- HIPEC, gastric cancer, colon cancer, ovarian cancer, 2061
- Hirayama disease, cervical MRI, neutral position, flexion position, 2153
- Hirschsprung's disease, immunohistochemistry, CD56, S-100, calretinin, peripherin, ganglion cells, 1355
- Histochemical staining, histology, biopsies, histological workup, immunohistochemistry, histomorphometry, review, 3147
- Histological workup, histology, biopsies, histochemical staining, immunohistochemistry, histomorphometry, review, 3147
- Histology, biopsies, histological workup, histochemical staining, immunohistochemistry, histomorphometry, review, 3147
- Histomorphometry, histology, biopsies, histological workup, histochemical staining, immunohistochemistry, review, 3147
- Histone, distal bile duct cancer, methylation, 3619
- Histopathology, basal cell carcinoma, peritumoral clefting, MMP-2, MMP-9, 1271
- Histopathology, computed tomography, head and neck cancer, lymph node metastasis, 2721
- Histopathology, periorbital lymphoma, ocular adnexal lymphoma, orbital lymphoma, survival, Ann Arbor stage, 1965
- HMGB1, thrombus formation, microminipig, 1871
- Ho-1, radical-scavenging activity, tetracyclines, LPS, cox2, nos2, TNF $\alpha$ , visible light, RAW264.7 cell, 81
- Holistic surgical education, medical students, undergraduate medical education, curriculum, simulation training, professionalism, 1063
- Hormonal therapy, mixed urinary incontinence, urgency urinary incontinence, stress urinary incontinence, menopause, 923
- Hormone receptors, breast cancer, triple positive, HER2-positive, overall survival, trastuzumab, 3441
- Hospitalisation, pegfilgrastim, endometrial cancer, neutropenia, 3669
- HPV, vaccine, vaccination, 1445
- HSROC, acute appendicitis, acute abdominal pain, diagnostic score, female, male, leucocyte count, ROC, diagnostic accuracy, 3687
- HSROC, acute appendicitis, non-specific abdominal pain, diagnostic score, leucocyte count, ROC, 3327
- Huaier extract, hepatoblastoma, MEK/ERK, apoptosis, 2381
- Huge bone defect, masquelet technique, induced membrane, biological reconstruction, malignant bone tumor, metaphysis, adult, 3495
- Human cervical cancer, demethoxycurcumin, DMC, HeLa cells, xenograft mice, 2469
- Human nasal epithelial cells, cocaine, ciliary beat frequency (CBF), 3285
- Human oral cancer SCC-4 cells, casticin, xenograft mice, *in vivo*, 2461
- Human, coronaviridae, severe acute respiratory syndrome, intensive care units, hyperglycemia, 3029
- Hybrid imaging, head and neck tumours, PET/MRI, PET/CT, cancer staging, lymph node, 2029
- Hybrid-VMAT, treatment planning, plan evaluation, oesophageal cancer, 331
- Hydrogen sulfide, nitric oxide, isolated heart, ischemia/reperfusion injury, oxidative damage, 2507
- Hydrogen sulfide, renal cell carcinoma, cystathione  $\gamma$ -lyase, CSE, cystathione  $\beta$ -synthase, CBS, 3-mercaptopyruvate sulfurtransferase, MPST, 2775
- Hydroxyapatite nanoparticles, injectable bone substitute, biodegradable materials, vertical bone augmentation, *in vivo* study, 1053
- Hydroxyapatite, dexamethasone, drill bit, osteogenesis, scaffold, 1857
- Hypercholesterolemia, lipid-lowering drugs, neurocognitive function, coronary heart disease, clinical trials, review, 3109
- Hyperfractionation, glottic cancer, radiation, hypofractionation, late-course accelerated hyperfractionation, altered fractionation, 2769
- Hyperglycemia, coronaviridae, severe acute respiratory syndrome, intensive care units, human, 3029
- Hypermethylation, ulcerative colitis, colitis associated colorectal cancer, epigenetic alteration, corticotropin releasing hormone receptor 2, carcinogenesis, 57

- Hypertension, Cesarean section, induced labor, preeclampsia, term pregnancy, 1195
- Hypofractionation, glottic cancer, radiation, hyperfractionation, late-course accelerated hyperfractionation, altered fractionation, 2769
- Hypopharyngeal cancer, prediction, artificial neural network, ku70, radiotherapy, prostate cancer, 2865
- Hypoxia, angiogenesis, bilateral common carotid artery occlusion, vascular dementia, neurogenesis, 191
- Hypoxia, ERK, phosphate-ERK, cortex, SVZ, 649
- Hypoxia, senescence, lipofuscin, lung cancer, glycolysis, autophagy, 3187
- Hypoxia, tyrosine kinase inhibitor, sunitinib, angiogenesis, tumor-associated macrophage, myeloid-derived suppressor cells, peripheral blood, 1141
- Hysterectomy, cervical cancer, radiotherapy, 2173
- I/D*-ACE genotype, essential hypertension, carotid atheromatosclerosis, *M235T*-AGT genotype, 2811
- ICG, fluorescence, colon cancer, liver metastasis, detection, orthotopic mouse model, 2277
- ICI, RCC, targeted therapy, PD-1, PD-L1, subsequent therapy, 1541
- IFN $\gamma$ , virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, 3723
- IG4, surgical education, ESMSC course, surgical training, course curriculum, 503
- IgG, SARS-CoV-2, novel coronavirus, COVID-19, antibodies, point-of-care testing, IgM, diagnostics, 3039
- IgM, SARS-CoV-2, novel coronavirus, COVID-19, antibodies, point-of-care testing, IgG, diagnostics, 3039
- IHC, pGSK3 $\beta$ , OSCC, survival, AJCC, T stage, prognostic factors, 1805
- IL-4, breast cancer, genotype, polymorphism, Taiwan, 1111
- IL-9 rs1859430, pituitary adenoma, *TRIB1*rs6987702 gene polymorphism, rs2069870gene polymorphism, recurrence, 2499
- IL1RAP*rs4624606, age-related macular degeneration, *IL1RL1*rs1041973, gene polymorphisms, treatment, 2443
- IL1RL1*rs1041973, age-related macular degeneration, *IL1RAP*rs4624606, gene polymorphisms, treatment, 2443
- IL6, SARS-CoV-2, lung failure, cytokine storm, COVID-19 therapy, review, 1589
- IL6, SARS-CoV-2, lung failure, cytokine storm, COVID-19 therapy, bazedoxifene, raloxifene, 3027
- Ileostomy, adjuvant chemotherapy, adverse events, rectal cancer, tolerability, 3399
- Imaging complete response (iCR), magnetic resonance imaging, breast neoplasms, neoadjuvant chemotherapy, pathological complete response (pCR), breast cancer subtypes, 909
- Imaging, bladder cancer, nude mice, orthotopic, GFP, non-invasive, 3225
- Imaging, indocyanine green, liver, hepatic segment, labeling, liver metastasis, patient-derived orthotopic xenograft, PDOX, glissonean pedicle, ligation, nude mouse, 3143
- Imaging, mandible, lingual mandibular bone depression, stafne's bone cavity, fracture, anatomy, vascularization, differential diagnosis, bone tumor, 2527
- Immune cell, PD-L1, tumor cell, gastric cancer, prognosis, 3171
- Immune check point, regulatory T-cells, colorectal cancer, lymph node, 849
- Immune checkpoint inhibitor-related pneumonitis, SARS-CoV-2, COVID-19, immune checkpoint inhibitors, severe pneumonia, 3753
- Immune checkpoint inhibitors, advanced gastric cancer, nivolumab, Glasgow Prognostic Score (GPS), biomarkers, 1921
- Immune checkpoint inhibitor, combination chemotherapy, pembrolizumab, pleomorphic carcinoma, lung, 1439
- Immune checkpoint inhibitors, SARS-CoV-2, COVID-19, immune checkpoint inhibitor-related pneumonitis, severe pneumonia, 3753
- Immune-related adverse events, nasopharyngeal carcinoma, nivolumab, anti-programmed death-1 monoclonal antibody, multicenter study, 2967
- Immune-related adverse events, nivolumab, overall survival, progression-free survival, metastatic renal cell carcinoma, 2647
- Immunity, albumin, breast cancer, prognosis, inflammation, 2033
- Immunohistochemistry, CD56, S-100, calretinin, peripherin, ganglion cells, Hirschsprung's disease, 1355
- Immunohistochemistry, cK1 $\epsilon$ , melanoma, distance metastasis, survival, 2905
- Immunohistochemistry, clear cell renal cell carcinoma, single-stranded DNA binding protein 2, cancer prognosis, 101
- Immunohistochemistry, e-cadherin, syndecan-1, radiotherapy, NSCLC, 453
- Immunohistochemistry, epithelial ovarian cancer, ANXA1, prognosis, survival, 177
- Immunohistochemistry, film-forming silicone gel, strataXRT, radiation dermatitis, breast cancer, 413MTUS1 protein, gallbladder cancer, prognosis, microRNA, real-time polymerase chain reaction, 125

- Immunohistochemistry, hepatocellular carcinoma, WNK1, prognostic marker, survival, 2631
- Immunohistochemistry, histology, biopsies, histological workup, histochemical staining, histomorphometry, review, 3147
- Immunohistochemistry, inflammatory myofibroblastic tumor, prostate, ALK, 2043
- Immunohistochemistry, larynx, diffuse large B-cell lymphoma, DLBCL, laryngeal stenosis, next-generation sequencing, NGS, 255
- Immunohistochemistry, renal-type, clear cell, carcinoma, prostate, 2751
- Immunohistochemistry, S100A14, colorectal cancer, large intestine, 321
- Immunosuppressive therapy, ulcerative colitis, colorectal cancer, p53, serum anti-p53 antibodies, 723
- IMRT, Monte Carlo, VMAT, agility MLC, QA, 2371
- IMRT, prostate cancer, radiotherapy, haemogram, leukocytes, thrombocytes, haemoglobin, helical tomotherapy, medical costs, 1555
- In vivo*, casticin, human oral cancer SCC-4 cells, xenograft mice, 2461
- Incidence, lung cancer, Portugal, sex differences, spatial cluster analysis, 2711
- Incidental detection, COVID-19, PET/CT, cancer, radiation therapy, 1681
- Incisional hernia repair, laparoscopic, radical prostatectomy, robotics, 3407
- Individualized medicine, patient-derived xenograft, PDX, patient-derived orthotopic xenograft (PDOX), nude mice, tumor implantation, surrounding tissue, co-implantation, take rate, gynecological cancer, breast cancer, 3241
- Indocyanine green, fluorescence, parathyroid glands, thyroidectomy, parathyroidectomy, review, 23
- Indocyanine green, liver, hepatic segment, labeling, liver metastasis, patient-derived orthotopic xenograph, PDOX, glissonean pedicle, ligation, imaging, nude mouse, 3143
- Indocyanine green, schwannoma, hepatoduodenal ligament, fluorescence, laparoscopic resection, 2037
- Indocyanine green (ICG), tc-99m-diethylenetriamine-penta-acetic acid-galactosyl human serum albumin (GSA) scintigraphy, liver function test, liver fibrosis, 1187
- Induced labor, Cesarean section, hypertension, preeclampsia, term pregnancy, 1195
- Induced membrane, masquelet technique, biological reconstruction, malignant bone tumor, huge bone defect, metaphysis, adult, 3495
- Induction chemotherapy, advanced hypopharyngeal laryngeal cancer, chemoselection, TPF chemotherapy, 2891
- Infants, congenital abdominal cystic lesions, newborns, algorithm, 1215
- Infection, COVID-19, tracheostomy, aerosolization, 3747
- Infection, osteomyelitis, *clostridium*, trauma and injuries, 291
- Inflammasomes, antivirals, HAV, interferon, zinc, 3301
- Inflammation-based prognostic score, c-reactive protein to albumin ratio, gallbladder carcinoma, 1901
- Inflammation, albumin, breast cancer, prognosis, immunity, 2033
- Inflammation, chitosan, magnetic nanoparticle, affinity, uptake, cytotoxicity, x-ray sensitivity, 1729
- Inflammation, esophageal neoplasms, c-reactive protein, albumin, nutrition, 881
- Inflammation, FDG-PET, FDG uptake, breast cancer, platelet/lymphocyte ratio, neutrophil/lymphocyte ratio, 1365
- Inflammation, TRPV1, obesity, renal ischemia/reperfusion, calcitonin gene-related peptide, 2259
- Inflammation, virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Inflammatory marker, major hepatectomy, post-hepatectomy liver failure, predictive model, coagulation factor, 1255
- Inflammatory markers, rectal cancer, chemoradiotherapy, microsatellite instability, 2119
- Inflammatory myofibroblastic tumor, prostate, ALK, immunohistochemistry, 2043
- Inflammatory tissue response, collagen membrane, transparency, wound healing, 2287
- Influenza, childhood cancer survivors, South Korea, 929
- Influenza, virus, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Infrared fluorescence imaging, TAG-72, fluorescent antibody, colorectal cancer orthotopic, liver metastasis, nude mice, fluorescence-guided surgery, 2303
- Infusion-related reactions, ramucirumab, h1-antihistamines, monoclonal antibodies, 3489
- Inguinal lymph node, vulvar carcinoma, external beam radiation therapy, 3-dimensional radiation therapy, gynecologic malignancies, 307
- Inhalation, nanocomposite particles, nanoparticles, PLGA, drug concentration, rifampicin, 543
- Inhibitor, recombinant methioninase, PDOX, patient-derived orthotopic xenograft, TNBC, triple-negative breast cancer, resection, recurrence, 2281
- Injectable bone substitute (IBS), biphasic bone substitute (BBSM), integration, vascularization, multinucleated giant cells, bone regeneration, guided bone regeneration (GBR), 557

- Injectable bone substitute, hydroxyapatite nanoparticles, biodegradable materials, vertical bone augmentation, in vivo study, 1053
- Insulin therapy, allogeneic hematopoietic stem cell transplantation, diabetes, cardiovascular risk factors, long-term survivors, 3545
- Insulin-like growth factors, thyroid nodule, thyroid cancer, 3069
- Integral theory, bilateral apical fixation, transobturator tape, urinary incontinence, uterosacral ligaments, 1371
- Integration, injectable bone substitute (IBS), biphasic bone substitute (BBSM), vascularization, multinucleated giant cells, bone regeneration, guided bone regeneration (GBR), 557
- Intensity-modulated radiation therapy, cancer, lymph nodes, oligometastases, oligo-recurrence, radiation therapy, 2587
- Intensity-modulated radiation therapy, uterus cervical cancer, high-dose rate intracavitary brachytherapy, whole pelvic radiation therapy, central shielding, 3387
- Intensity-modulate dradiation therapy, cervical cancer, central shielding, volumetric-modulated arc therapy, rectal toxicity, 3611
- Intensity-modulate dradiation therapy, volumetric-modulated arc therapy, knowledge-based planning, breast cancer, 1095
- Intensive care unit, critical care unit, gynecologic oncology, cytoreduction, surgical intensive care unit, 2201
- Intensive care unit, novel coronavirus-infected pneumonia, computed tomography, radiological scores, death, 3735
- Intensive care units, coronaviridae, severe acute respiratory syndrome, hyperglycemia, human, 3029
- Inter-observer agreement, cervical cancer, magnetic resonanc imaging, radiotherapy, 1981
- Interferon, antivirals, HAV, inflammasomes, zinc, 3301
- Interim PET/CT, DLBCL, extranodal, SUV, deauville5-point scale, 2127
- Interleukin-16*, betel quid chewing, genotype, oral cancer, single nucleotide polymorphism, Taiwan, 1759
- Interleukin-16*, genotype, lung cancer, single nucleotide polymorphism, 1117
- Interleukin-22*, *Lactobacillus reuteri*, *E. coli*, total body irradiation, radiation mitigators, 39
- Internal root resorption, magnetic resonance imaging, cone beam computed tomography, micro-computed tomography, pulp histology, pulp inflammation, 1875
- Interventional radiotherapy, plaque brachytherapy, nomogram, prediction model, 106Ru, uveal melanoma, visual acuity, 381
- Intervertebral disc, microdialysis, spine, metabolism, ischemia, vertebral cancellous bone, 527
- Intracystic hemorrhage, hepatic xanthogranuloma, simple liver cyst, 2067
- Intraoperative blood loss, pancreatic cancer, survival, recurrence, 1469
- Intraoperative radiotherapy, lower rectal cancer, distant metastasis, 3655
- Invasive disease-free survival, early breast cancer, hER2-positive, de-escalated therapy, real-world experience, 3713
- In vivo study, hydroxyapatite nanoparticles, injectable bone substitute, biodegradable materials, vertical bone augmentation, 1053
- Involuntary loss of urine, urgency urinary incontinence, stress urinary incontinence, OAB wet, 2927
- IrAE, thrombocytopenia, PD-1, pembrolizumab, lung cancer, 877
- Irinotecan, gastric cancer, third-line chemotherapy, progression-free survival, 903
- Irinotecan, liver metastases, colorectal carcinoma, chemoembolization, TACE, anti-angiogenesis, bevacizumab, tumor response, 683
- Iris metastasis, iris tumor, anterior segment optical coherence tomography, aspiration cytology, 2159
- Iris tumor, iris metastasis, anterior segment optical coherence tomography, aspiration cytology, 2159
- Irradiation, grade III glioma, neurosurgical intervention, local tumor control, survival, 3627
- Irradiation, treatment planning system, volumetric arc therapy, dose distribution, MLC transmission, dosimetric leaf gap, 1503
- Ischemia-reperfusion injury, liver injury, hepatic steatosis, pathophysiological changes, oxidative stress, cytokines, review, 953
- Ischemia, microdialysis, spine, metabolism, intervertebral disc, vertebral cancellous bone, 527
- Ischemia/reperfusion injury, hydrogen sulfide, nitric oxide, isolated heart, oxidative damage, 2507
- Isolated heart, hydrogen sulfide, nitric oxide, ischemia/reperfusion injury, oxidative damage, 2507
- Italy, breast cancer, COVID-19, tailored treatment, Italy, screening program, 1661
- Italy, breast cancer, COVID-19, tailored treatment, screening program, Italy, 1661
- Ivermectin, COVID-19, ACE2, spike protein, 3023
- Ixazomib, dose-escalation, lenalidomide, safety, effectiveness, relapsed/refractory multiple myeloma, 2821
- Japan, anatomical resection, non-anatomical resection, hepatocellular carcinoma, propensity score matched analysis, Taiwan, disease-free survival, overall survival, 2607

- Jejunum, anastomosis, deserosalization, healing, technique, 2423  
JP4-039, Fanconi anemia, genotype, total body irradiation, 33  
JPH203, l-type amino acid transporter, amino acids, body mass index, biliary tract cancer, 2595  
Juxtarenal abdominal aortic aneurysm, cold Ringer's solution perfusion, renal artery clamp, renal artery perfusion, renal protection, 739  
Keratinocytes, oxidative stress, cigarette smoke, *Pinus halepensis* bark extract, nicotine, 1835  
Ki-67, tissue microarray, TMA, laryngeal cancer, MCM3, 5, 7, MTI/II, 3263  
Kidney cancer, bone metastases, radiotherapy, prognostic factor, overall survival, 767  
Kidney cancer, cerebral metastases, elderly patients, radiotherapy, scoring instrument, survival prognosis, 1321  
Kidney, antioxidants, ascorbic acid, reperfusion injury, 2475  
Kidney injury biomarkers, gestational age, maternal hypertension, patent ductus arteriosus, very-low-birth-weight preterm infants, 1333  
Kidney transplantation, systemic immune-inflammation index, biomarkers, delayed graft function, acute rejection, 3349  
Knowledge-based planning, volumetric-modulated arc therapy, intensity-modulate dradiation therapy, breast cancer, 1095  
KRAS, biliary tract cancer, BTC, anti-EGFR, cetuximab, panitumumab, meta-analysis, review, 479  
Krukenberg tumors, neuroendocrine carcinoma, liver metastases, debulking surgery, 1527  
Ku70, prediction, artificial neural network, radiotherapy, prostate cancer, hypopharyngeal cancer, 2865  
L-asparaginase, acute lymphoblastic leukemia, erwinia, 2419  
L-type amino acid transporter, JPH203, amino acids, body mass index, biliary tract cancer, 2595  
Labeling, indocyanine green, liver, hepatic segment, liver metastasis, patient-derived orthotopic xenograph, PDOX, glissonean pedicle, ligation, imaging, nude mouse, 3143  
*Lactobacillus reuteri*, *E. coli*, interleukin-22, total body irradiation, radiation mitigators, 39  
Lamivudine, spermatogenesis, oogenesis, embryogenesis, antiretroviral drugs, reverse transcriptase, 2269  
Laparoscopic resection, schwannoma, hepatoduodenal ligament, fluorescence, indocyanine green, 2037  
Laparoscopic surgery, three-dimensional, two-dimensional, 3D laparoscopy, colon cancer, rectal cancer, colorectal cancer, review, 11  
Laparoscopic total gastrectomy, gastric cancer, elderly patients, nutritional state, 2933  
Laparoscopic total gastrectomy, remnant gastric cancer, 1987  
Laparoscopic-assisted colectomy, short-term outcomes, obstructive colon cancer, 2797  
Laparoscopic, incisional hernia repair, radical prostatectomy, robotics, 3407  
Laparoscopic, ureter, stricture, reconstruction, robotic, systematic review, 965  
Laparoscopy, body mass index, colonic neoplasms, colorectal neoplasms, obesity, 2079  
Large intestine, S100A14, colorectal cancer, immunohistochemistry, 321  
Laryngeal cancer, tissue microarray, TMA, ki-67, MCM3, 5, 7, MTI/II, 3263  
Laryngeal squamous cell carcinoma, matrix metalloproteinases, gene polymorphism, benign vocal fold lesions, 267  
Laryngeal stenosis, larynx, diffuse large B-cell lymphoma, DLBCL, immunohistochemistry, next-generation sequencing, NGS, 255  
Larynx, diffuse large B-cell lymphoma, DLBCL, laryngeal stenosis, immunohistochemistry, next-generation sequencing, NGS, 255  
Laser ablation, picosecond infrared laser, apicoectomy, oral surgery, thermal effects, 2325  
Late toxicities, chemoradiotherapy, long-term results, rectal cancer, pathological complete response, 1223  
Late-course accelerated hyperfractionation, glottic cancer, radiation, hypofractionation, hyperfractionation, altered fractionation, 2769  
Late-onset preeclampsia, microRNAs, NGS, preeclampsia, miR- 23b-5p, miR-99b-5p, 2317  
LAVI, atrial fibrillation, cardioversion, catheter ablation, diastolic dysfunction, recurrence, 889  
LDH, cigarette smoke, TSPO ligands, cardiomyocyte cell line, H9C2, 549  
Left atrium, mitral regurgitation, mitral valve repair, left ventricle, cardiac magnetic resonance, 2897  
Left superior vena cava, enlarged coronary sinus, anomaly, clinical implications, 935  
Left ventricle, cardiac papillary fibroelastomas, surgery, 3681  
Left ventricle, mitral regurgitation, mitral valve repair, left atrium, cardiac magnetic resonance, 2897  
Left-sided colorectal cancer, apical lymph nodes, propensity score matching, 2981  
Leiomyoma, adrenal gland, neoplasia, suprarenal, leiomyosarcoma, smooth muscle tumor, adrenalectomy, review, 2233  
Leiomyosarcoma, adrenal gland, neoplasia, suprarenal, leiomyoma, smooth muscle tumor, adrenalectomy, review, 2233  
Lenalidomide, ixazomib, dose-escalation, safety, effectiveness, relapsed/refractory multiple myeloma, 2821

- Lenvatinib, anaplastic thyroid cancer, neutrophil-to-lymphocyte ratio, prognostic factors, 2859
- Lenvatinib, thyroid cancer, neutrophil-to-lymphocyte ratio, prognostic factors, 709
- Leptin, biliary neoplasm, markers, serum, cholelithiasis, 2485
- Leucocyte count, acute appendicitis, acute abdominal pain, diagnostic score, female, male, ROC, HSROC, diagnostic accuracy, 3687
- Leucocyte count, acute appendicitis, non-specific abdominal pain, diagnostic score, ROC, HSROC, 3327
- Leukocytes, prostate cancer, radiotherapy, haemogram, thrombocytes, haemoglobin, helical tomotherapy, IMRT, medical costs, 1555
- Levothyroxine, subclinical hypothyroidism, thyroid disorders, carotid artery, carotid intima-media thickness, atherosclerosis, review, 3127
- LGFMS, low-grade fibromyxoid sarcoma, chemotherapy, radiotherapy, chromosomal translocation, 239
- Ligation, indocyanine green, liver, hepatic segment, labeling, liver metastasis, patient-derived orthotopic xenograft, PDOX, glissonean pedicle, imaging, nude mouse, 3143
- Limb lengthening, bone tissue engineering, dog, ectrodactyly, pancarpal arthrodesis, 815
- Limb salvage, lower extremity, patient outcome assessment, perfusion, reconstructive surgical procedures, 2543
- Lingual mandibular bone depression, mandible, stafne's bone cavity, fracture, anatomy, vascularization, imaging, differential diagnosis, bone tumor, 2527
- Lipid-lowering drugs, neurocognitive function, coronary heart disease, hypercholesterolemia, clinical trials, review, 3109
- Lipids, insulin resistance, azelaic acid ester, metabolic syndrome, type 2 diabetes, cardiovascular disease, cancer, metformin, metaflammation, dyslipidemia, obesity, 1173
- Lipofuscin, senescence, lung cancer, hypoxia, glycolysis, autophagy, 3187
- Live imaging, MR microimaging, cartilage, malocclusion, temporomandibular joint, 95
- Liver cancer, hepatocellular carcinoma, radiofrequency ablation, microwave ablation, 3421
- Liver cirrhosis, bioimpedance analysis, arm circumference, arm muscle circumference, prognosis, 687
- Liver cirrhosis, bioimpedance analysis, skeletal muscle mass index, upper limbs, prognosis, 1165
- Liver fibrosis, bioimpedance analysis, ECW/TBW value, overhydrated state, sarcopenia, prognosis, 1347
- Liver fibrosis, tc-99m-diethylenetriamine-penta-acetic acid-galactosyl human serum albumin (GSA) scintigraphy, indocyanine green (ICG), liver function test, 1187
- Liver function test, tc-99m-diethylenetriamine-penta-acetic acid-galactosyl human serum albumin (GSA) scintigraphy, indocyanine green (ICG), liver fibrosis, 1187
- Liver injury, ischemia-reperfusion injury, hepatic steatosis, pathophysiological changes, oxidative stress, cytokines, review, 953
- Liver metastases, colorectal carcinoma location, risk factors, liver surgery, long, term results, 2675
- Liver metastases, colorectal carcinoma, chemoembolization, TACE, anti-angiogenesis, bevacizumab, irinotecan, tumor response, 683
- Liver metastases, neuroendocrine carcinoma, Krukenberg tumors, debulking surgery, 1527
- Liver metastasis, cutaneous squamous cell carcinoma, partial hepatectomy, adjuvant chemotherapy, complete remission, 825
- Liver metastasis, ICG, fluorescence, colon cancer, detection, orthotopic mouse model, 2277
- Liver metastasis, indocyanine green, liver, hepatic segment, labeling, patient-derived orthotopic xenograft, PDOX, glissonean pedicle, ligation, imaging, nude mouse, 3143
- Liver metastasis, metastatic breast cancer, hepatic arterial infusion chemotherapy, 275
- Liver metastasis, PDOX, patient-derived orthotopic xenograft, TNBC, triple-negative breast cancer, re-metastasis, lymph node, ascites, oral recombinant methioninase, treatment, 3163
- Liver metastasis, TAG-72, fluorescent antibody, colorectal cancer orthotopic, nude mice, infrared fluorescence imaging, fluorescence-guided surgery, 2303
- Liver surgery, colorectal carcinoma location, liver metastases, risk factors, long, term results, 2675
- Liver, cancer, angiosarcoma, ROS1, prognosis, target therapy, 1463
- Liver, hepatocellular carcinoma, CDK8,  $\beta$ -catenin, biomarkers, 1387
- Liver, indocyanine green, hepatic segment, labeling, liver metastasis, patient-derived orthotopic xenograft, PDOX, glissonean pedicle, ligation, imaging, nude mouse, 3143
- Liver, microRNAs, periodontitis, 117
- Liver metastasis, hepatocellular carcinoma, colon cancer, nude mouse, orthotopic, cell line, patient tumor, PDOX, 3137
- Liver sinusoidal endothelial cells, sinusoidal obstruction syndrome (SOS), SOS mouse model, recombinant human soluble thrombomodulin, prophylactic effect, 1037
- Local advanced diagnosis, COVID-19, breast cancer, SARS-SOV-2, breast cancer screening, mammography, early diagnosis, 3047
- Local control, grade II gliomas, radiotherapy, survival, prognostic factors, 3719

- Local recurrence, acridine orange, soft tissue sarcoma, 2745  
Local therapies, seizures, cerebral metastasis, prevalence, risk factors, survival, 2727  
Local tumor control, grade III glioma, neurosurgical intervention, irradiation, survival, 3627  
Local control, renal cell carcinoma, proton beam therapy, toxicity, radiotherapy, 2883  
LOCalizer™, faxitron, radiofrequency identification device, RFID, breast cancer, axillary surgery, targeted axillary dissection, axillary staging, sentinel node biopsy, 1207  
Locally advanced pancreatic cancer, hepatic artery resection, portal vein resection, reconstruction, 2791  
Locally advanced, cervical adenocarcinoma, paclitaxel/cisplatin, concurrent chemoradiotherapy, 2739  
Lockdown, COVID-19, emergency department, SARS-CoV-2, surgical emergency, first aid, 3033  
Log odds of positive lymph nodes, rectal cancer, lymph node ratio, lymph node, chemoradiotherapy, prognosis, 1247  
Long-term outcomes, gastric cancer, elderly patients, gastrectomy, short-term outcomes, 2697  
Long-term results, chemoradiotherapy, late toxicities, rectal cancer, pathological complete response, 1223  
Long-term survival, afatinib, lung adenocarcinoma, uncommon EGFR mutations, 1459  
Long-term survivor, thymic cancer, hematological malignancy, synchronous cancer, case report, 1511  
Long-term survivors, allogeneic hematopoietic stem cell transplantation, diabetes, insulin therapy, cardiovascular risk factors, 3545  
Long, colorectal carcinoma location, liver metastases, risk factors, liver surgery, term results, 2675  
Low-grade fibromyxoid sarcoma, LGFMS, chemotherapy, radiotherapy, chromosomal translocation, 239  
Low-molecular-weight heparin, rivaroxaban, venous thromboembolism, gastrointestinal tract cancer, hepatopancreatobiliary cancer, 829  
Lower extremity, limb salvage, patient outcome assessment, perfusion, reconstructive surgical procedures, 2543  
Lower rectal cancer, distant metastasis, intraoperative radiotherapy, 3655  
LPS, radical-scavenging activity, tetracyclines, cox2, nos2, TNF $\alpha$ , ho-1, visible light, RAW264.7 cell, 81  
LS-SCLC, chemoradiotherapy, consolidation, amrubicin, 897  
Lung adenocarcinoma, ALK-TKI, radiotherapy, adverse events, brain metastases, 247  
Lung adenocarcinoma, atezolizumab, chemotherapy, epipharyngeal carcinoma, 389  
Lung adenocarcinoma, long-term survival, afatinib, uncommon EGFR mutations, 1459  
Lung cancer, genotype, *interleukin-16*, single nucleotide polymorphism, 1117  
Lung cancer, incidence, Portugal, sex differences, spatial cluster analysis, 2711  
Lung cancer, mouse double minute 2, MDM2, polymorphisms, genotypes, Taiwan, 1047  
Lung cancer, senescence, lipofuscin, hypoxia, glycolysis, autophagy, 3187  
Lung cancer, thrombocytopenia, PD-1, pembrolizumab, irAE, 877  
Lung failure, SARS-CoV-2, cytokine storm, IL6, COVID-19 therapy, review, 1589  
Lung failure, SARS-CoV-2, cytokine storm, IL6, COVID-19 therapy, bazedoxifene, raloxifene, 3027  
Lung, combination chemotherapy, immune checkpoint inhibitor, pembrolizumab, pleomorphic carcinoma, 1439  
Lung, neuroendocrine tumor, *TP53*, *RBI*, next-generation sequencing, PD-L1, 3375  
Lycopene, tomato juice, carotenoids, radiotherapy, breast cancer, 3013  
Lymph node metastasis, computed tomography, head and neck cancer, histopathology, 2721  
Lymph node metastasis, radiotherapy, oligo-recurrence, non-small cell lung cancer, 1883  
Lymph node ratio, esophageal cancer, survival, recurrence, 2087  
Lymph node ratio, rectal cancer, log odds of positive lymph nodes, lymph node, chemoradiotherapy, prognosis, 1247  
Lymph node, esophageal cancer, survival, recurrence, 2021  
Lymph node, head and neck tumours, hybrid imaging, PET/MRI, PET/CT, cancer staging, 2029  
Lymph node, rectal cancer, lymph node ratio, log odds of positive lymph nodes, chemoradiotherapy, prognosis, 1247  
Lymph node, regulatory T-cells, colorectal cancer, immune check point, 849  
Lymphadenectomy groin, NPWT, vulvar cancer, 3511  
Lymphatic system, trachea, respiratory mucosa, thyroidectomy, neck fascia, 1133  
Lymph node, PDOX, patient-derived orthotopic xenograft, TNBC, triple-negative breast cancer, liver metastasis, re-metastasis, ascites, oral recombinant methioninase, treatment, 3163  
Lymph nodes, cancer, intensity-modulated radiation therapy, oligometastases, oligo-recurrence, radiation therapy, 2587  
Lymphovascular invasion, gastric cancer, prognostic factor, 1533  
*M235T*-AGT genotype, essential hypertension, carotid atheromatosis, *I/D*-ACE genotype, 2811  
Machine learning, COVID-19, coronavirus, bibliometric analysis, management, 1613

- Macrophages, collagen membrane, guided Bone Regeneration (GBR), degradation, pericardium, 985
- Magnetic nanoparticle, chitosan, affinity, uptake, cytotoxicity, inflammation, x-ray sensitivity, 1729
- Magnetic resonance imaging, breast neoplasms, neoadjuvant chemotherapy, pathological complete response (pCR), imaging complete response (iCR), breast cancer subtypes, 909
- Magnetic resonance imaging, cone beam computed tomography, micro-computed tomography, pulp histology, pulp inflammation, internal root resorption, 1875
- Magnetic seeds, breast cancer, wire localization, breast conserving therapy, non-palpable breast lesions, 1159
- Magnetic resonanc imaging, cervical cancer, inter-observer agreement, radiotherapy, 1981
- Magnolol, radiation, hepatocellular carcinoma, apoptosis, 1789
- Major hepatectomy, post-hepatectomy liver failure, predictive model, inflammatory marker, coagulation factor, 1255
- Male cancer, tru-Cut needle biopsy, fine needle aspiration cytology, ultrasound, breast lesions, 3431
- Male, acute appendicitis, acute abdominal pain, diagnostic score, female, leucocyte count, ROC, HSROC, diagnostic accuracy, 3687
- Malignancy, acute kidney injury, prerenal azotemia, BUN to Cr ratio, 1515
- Malignancy, thyroid, nodule, shape, microcalcifications, 2101
- Malignant ascites, diagnosis, cancer, tumour markers, differential diagnosis, 715
- Malignant bone tumor, masquelet technique, induced membrane, biological reconstruction, huge bone defect, metaphysis, adult, 3495
- Malignant obstructive jaundice, percutaneous transhepatic biliary drainage, endoscopic biliary drainage, pancreatic cancer, cholangiocarcinoma, 1701
- Malignant peripheral nerve sheath tumor, soft tissue sarcoma, prognosis, distant metastasis, 1975
- Malignant pleural effusion, non-small cell lung cancer, pleural neutrophil-to-lymphocyte ratio, 2179
- Malignant priapism, penile tumors, hematological malignancy, review, 2225
- Malignant tumor, follow up, systematic review, soft tissue sarcoma, 3057
- Malignant tumor, heart failure, acute myocardial infarction, 3589
- Malocclusion, MR microimaging, live imaging, cartilage, temporomandibular joint, 95
- Mammary tumour, periostin, POSTN, cAFs, carcinoma, adenoma, female dog, 1017
- Mammary tumour, podoplanin, PDPN, cAFs, adenoma, female dog, 213
- Mammography, COVID-19, breast cancer, SARS-SOV-2, breast cancer screening, early diagnosis, local advanced diagnosis, 3047
- Management, COVID-19, coronavirus, bibliometric analysis, machine learning, 1613
- Mandible, condyle, capitulum, fracture, anatomy, vascularization, necrosis, 1235
- Mandible, lingual mandibular bone depression, stafne's bone cavity, fracture, anatomy, vascularization, imaging, differential diagnosis, bone tumor, 2527
- Markers, biliary neoplasm, serum, leptin, cholelithiasis, 2485
- Mask materials, micro-droplets, pandemics, filtration efficiency, SARS-CoV-2, sneeze velocity, 1637
- Masquelet technique, induced membrane, biological reconstruction, malignant bone tumor, huge bone defect, metaphysis, adult, 3495
- Mass spectrometry, biomarkers, GDM, gestational diabetes mellitus, TMT isobaric labeling, nano-LC-MS/MS, prenatal screening, pregnancy complications, 517
- Massive bowel resection syndrome, sepsis, presepsin, oxidative stress, cecal ligation and perforation, 155
- Maternal hypertension, gestational age, kidney injury biomarkers, patent ductus arteriosus, very-low-birth-weight preterm infants, 1333
- Matrix metalloproteinases, curcumin, acetaminophen-induced hepatotoxicity, tumor necrosis factor alpha, oxidative stress, 569
- Matrix metalloproteinases, laryngeal squamous cell carcinoma, gene polymorphism, benign vocal fold lesions, 267
- Mature ovarian teratoma, squamous cell carcinoma, abscess, 2141
- MCF-7, angiogenesis, chorioallantoic membrane, mesenchymal stem cells, vasculogenesis, 3315
- MCM3, tissue microarray, TMA, laryngeal cancer, ki-67, 5, 7, MTI/II, 3263
- MCP1, virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, iFN $\gamma$ , 3723
- MDM2, mouse double minute 2, polymorphisms, genotypes, lung cancer, Taiwan, 1047
- Mechanical loading, mechanotransduction, myogenesis, myotubes, 1779
- Mechanotransduction, mechanical loading, myogenesis, myotubes, 1779
- Mediastinal lymphoma, radiotherapy, target volume, hematology, 1407
- Mediastinal mass, azygos vein aneurysm, resection, 2135
- Medical education, COVID-19, SARS-CoV-2, coronavirus, tele-education, virtual learning, telemedicine, medical students, residents, review, 1603

- Medical students, undergraduate medical education, curriculum, holistic surgical education, simulation training, professionalism, 1063
- Medical costs, prostate cancer, radiotherapy, haemogram, leukocytes, thrombocytes, haemoglobin, helical tomotherapy, IMRT, 1555
- Medical students, medical education, COVID-19, SARS-CoV-2, coronavirus, tele-education, virtual learning, telemedicine, residents, review, 1603
- Medulloblastoma, re-irradiation, adult patients, 1283
- MEK-ERK inhibitor, selenium, thyroid cancer, U0126, ERK pathway, 185
- MEK/ERK, hepatoblastoma, huaier extract, apoptosis, 2381
- Melanocytic nevi, eruptive nevi, encorafenib, BRAF inhibitors, adverse effect, 441
- Melanoma, cerebral metastases, elderly patients, whole-brain radiotherapy, survival, prognostic tool, 1361
- Melanoma, chemotherapy, herbal, cisplatin, anticancer, cisplatin-induced toxicity, 1845
- Melanoma, cK1 $\epsilon$ , immunohistochemistry, distance metastasis, survival, 2905
- Melanoma, young adult, middle-aged, risk factors, 703
- Menopause, mixed urinary incontinence, urgency urinary incontinence, stress urinary incontinence, hormonal therapy, 923
- Mesenchymal stem cell, bone powder, bone morphogenic protein, osteogenesis, 1103
- Mesenchymal stem cells, angiogenesis, chorioallantoic membrane, MCF-7, vasculogenesis, 3315
- Mesenchymal stem cells, peroxiredoxin II, cell cycle, glycogen synthase kinase 3 beta/ $\beta$ -catenin signaling, 133
- Mesenchymal tumor, orbital tumor, solitary fibrous tumor, feeding artery, 3649
- Meta-analysis, biliary tract cancer, BTC, anti-EGFR, cetuximab, panitumumab, KRAS, review, 479
- Meta-analysis, CD63, prognosis, solid tumors, 2209
- Metabolic syndrome, endometrial cancer, obesity, 2913
- Metabolic syndrome, insulin resistance, azelaic acid ester, type 2 diabetes, cardiovascular disease, cancer, metformin, metaflammation, dyslipidemia, lipids, obesity, 1173
- Metabolism, microdialysis, spine, ischemia, intervertebral disc, vertebral cancellous bone, 527
- Metaflammation, insulin resistance, azelaic acid ester, metabolic syndrome, type 2 diabetes, cardiovascular disease, cancer, metformin, dyslipidemia, lipids, obesity, 1173
- Metaphysis, masquelet technique, induced membrane, biological reconstruction, malignant bone tumor, huge bone defect, adult, 3495
- Metastasis, head and neck squamous cell carcinoma, paclitaxel, cetuximab, recurrent, 2653
- Metastatic breast cancer, hepatic arterial infusion chemotherapy, liver metastasis, 275
- Metastatic castration-resistant prostate cancer, carboplatin, neurone specific enolase, 3631
- Metastatic colorectal cancer, platelet-to-lymphocyte ratio, afibbercept, predictive marker, prognosis, survival, 2667
- Metastatic renal cell cancer, systemic therapy, prognosis, bone metastases, rural care, 675
- Metastatic renal cell carcinoma, immune-related adverse events, nivolumab, overall survival, progression-free survival, 2647
- METExon 14 Skipping, NSCLC, crizotinib, 1399
- Metformin, insulin resistance, azelaic acid ester, metabolic syndrome, type 2 diabetes, cardiovascular disease, cancer, metaflammation, dyslipidemia, lipids, obesity, 1173
- Methioninase, coronavirus, sARs-CoV-2, covid-19, RNA genome, methyltransferase, s-adenosylmethionine, methylation, methionine restriction, 1593
- Methioninase, methionine restriction, MR, diabetes, high-fat diet, mice, 973
- Methioninase, methionine restriction, MR, fatty liver, NAFLD, mice, 979
- Methioninase, methionine restriction, MR, obesity, high fat diet, mice, 489
- Methionine restriction, methioninase, MR, diabetes, high-fat diet, mice, 973
- Methionine restriction, methioninase, MR, fatty liver, NAFLD, mice, 979
- Methionine restriction, methioninase, MR, obesity, high fat diet, mice, 489
- Methionine restriction, coronavirus, sARs-CoV-2, covid-19, RNA genome, methyltransferase, s-adenosylmethionine, methylation, methioninase, 1593
- Methylation, coronavirus, sARs-CoV-2, covid-19, RNA genome, methyltransferase, s-adenosylmethionine, methionine restriction, methioninase, 1593
- Methylation, distal bile duct cancer, histone, 3619
- Methyltransferase, coronavirus, sARs-CoV-2, covid-19, RNA genome, s-adenosylmethionine, methylation, methionine restriction, methioninase, 1593
- Metronomic, oral, vinorelbine, NSCLC, 2687
- Mice, methioninase, methionine restriction, MR, diabetes, high-fat diet, 973
- Mice, methioninase, methionine restriction, MR, fatty liver, NAFLD, 979
- Mice, methioninase, methionine restriction, MR, obesity, high fat diet, 489

- Micro-computed tomography, androgen deprivation therapy, bone mineral density, osteoblasts, bone microenvironment, 3291
- Micro-computed tomography, magnetic resonance imaging, cone beam computed tomography, pulp histology, pulp inflammation, internal root resorption, 1875
- Micro-droplets, pandemics, mask materials, filtration efficiency, SARS-CoV-2, sneeze velocity, 1637
- Microcalcifications, thyroid, nodule, shape, malignancy, 2101
- Microdialysis, spine, metabolism, ischemia, intervertebral disc, vertebral cancellous bone, 527
- Microencapsulation, hepatocyte transplantation, cryopreservation, thermo-reversible gelation polymer (TGP), function, rats, 2309
- Micromini豬, HMGB1, thrombus formation, 1871
- MicroRNA, exosomes, rheumatoid arthritis, biomarker, 2941
- MicroRNA, film-forming silicone gel, strataXRT, radiation dermatitis, breast cancer, 413MTUS1 protein, gallbladder cancer, immunohistochemistry, prognosis, real-time polymerase chain reaction, 125
- MicroRNA, gene expression, carcinogenicity, 7, 12-dimethylbenz( $\alpha$ )anthracene, DMBA, miR-330, miR-29a, miR-9-1, miR-9-3, mTORC1, 2337
- MicroRNA, hepatoma-derived growth factor, hepatocellular carcinoma, prognosis, 2297
- MicroRNA, miR-375-3p, teratoma, testicular germ cell tumour, serum, biomarkers, 163
- MicroRNA, pancreatic neoplasm, gemcitabine, cell cycle, cyclin, 3195
- MicroRNAs, NGS, preeclampsia, late-onset preeclampsia, miR-23b-5p, miR-99b-5p, 2317
- MicroRNAs, periodontitis, liver, 117
- Micosatellite instability, rectal cancer, inflammatory markers, chemoradiotherapy, 2119
- Microwave ablation, hepatocellular carcinoma, liver cancer, radiofrequency ablation, 3421
- Middle-aged, melanoma, young adult, risk factors, 703
- MIP-2, virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MCP1, iFN $\gamma$ , 3723
- MiR-23b-5p, microRNAs, NGS, preeclampsia, late-onset preeclampsia, miR-99b-5p, 2317
- MiR-29a, gene expression, microRNA, carcinogenicity, 7, 12-dimethylbenz( $\alpha$ )anthracene, DMBA, miR-330, miR-9-1, miR-9-3, mTORC1, 2337
- MiR-330, gene expression, microRNA, carcinogenicity, 7, 12-dimethylbenz( $\alpha$ )anthracene, DMBA, miR-29a, miR-9-1, miR-9-3, mTORC1, 2337
- MiR-375-3p, microRNA, teratoma, testicular germ cell tumour, serum, biomarkers, 163
- MiR-9-1, gene expression, microRNA, carcinogenicity, 7, 12-dimethylbenz( $\alpha$ )anthracene, DMBA, miR-330, miR-29a, miR-9-3, mTORC1, 2337
- MiR-9-3, gene expression, microRNA, carcinogenicity, 7, 12-dimethylbenz( $\alpha$ )anthracene, DMBA, miR-330, miR-29a, miR-9-1, mTORC1, 2337
- MiR-99b-5p, microRNAs, NGS, preeclampsia, late-onset preeclampsia, miR-23b-5p, 2317
- Mitochondria, *Picrasma quassioides*, cervical cancer, apoptosis, ROS, 1823
- Mitral regurgitation, mitral valve repair, left ventricle, left atrium, cardiac magnetic resonance, 2897
- Mitral valve repair, mitral regurgitation, left ventricle, left atrium, cardiac magnetic resonance, 2897
- Mixed urinary incontinence, urgency urinary incontinence, stress urinary incontinence, menopause, hormonal therapy, 923
- MLC transmission, treatment planning system, volumetric arc therapy, dose distribution, irradiation, dosimetric leaf gap, 1503
- MMP-2, basal cell carcinoma, peritumoral clefting, MMP-9, histopathology, 1271
- MMP-9, basal cell carcinoma, peritumoral clefting, MMP-2, histopathology, 1271
- MMP2, asthma, genotype, polymorphism, promoter, Taiwan, 3181
- MMP7, age, gender, genotype, polymorphism, pterygium, Taiwan, 51
- Modern-era treatment, non-small cell lung cancer, 2-year survival, personalized treatment, chronic disease, 369
- Mohs micrographic surgery, non-melanoma skin cancer, epidemiology, 2107
- Molecular, triple-negative breast cancer, classification, targeted, therapies, review, 1715
- Monitoring, physical impairment, quality of life, hematological malignancy, hematopoietic stem cell transplantation, 771
- Monoclonal antibodies, ramucirumab, infusion-related reactions, h1-antihistamines, 3489
- Monocyte count, colorectal cancer, c-reactive protein, prognosis, 299
- Monte Carlo, IMRT, VMAT, agility MLC, QA, 2371
- Morbidity, carcinoma, mortality, geriatrics, gerontology, 339
- Morbidity, cytoreduction, ovarian cancer, preoperative status, 839
- Morphology, colon, crypt fission, asymmetric fission, 2693
- Mortality, carcinoma, morbidity, geriatrics, gerontology, 339

- Mouse double minute 2, MDM2, polymorphisms, genotypes, lung cancer, Taiwan, 1047
- MPST, renal cell carcinoma, hydrogen sulfide, cystathionine  $\gamma$ -lyase, CSE, cystathionine  $\beta$ -synthase, CBS, 3-mercaptopyruvate sulfurtransferase, 2775
- MR microimaging, live imaging, cartilage, malocclusion, temporomandibular joint, 95
- MR, methioninase, methionine restriction, diabetes, high-fat diet, mice, 973
- MR, methioninase, methionine restriction, fatty liver, NAFLD, mice, 979
- MR, methioninase, methionine restriction, obesity, high fat diet, mice, 489
- MRI, prostate cancer, radiation oncology, tumour volume, 3473
- MRI, prostate cancer, selectMDx, active surveillance, 393
- MTI/II, tissue microarray, TMA, laryngeal cancer, ki-67, MCM3, 5, 7, 3263
- MTORC1, gene expression, microRNA, carcinogenicity, 7, 12-dimethylbenz( $\alpha$ )anthracene, DMBA, miR-330, miR-29a, miR-9-1, miR-9-3, 2337
- Mucinous, seromucinous, borderline tumors, atypical proliferative mucinous tumors, recurrence, 2014 World Health Organization, prognosis, 1341
- Mucociliary clearance, aged, deglutition disorders, nursing home, pneumonia, 845
- Multi-fraction irradiation, prostate cancer, bone metastases, survival, prognostic factors, 679
- Multicenter study, nasopharyngeal carcinoma, nivolumab, anti-programmed death-1 monoclonal antibody, immune-related adverse events, 2967
- Multicentric study, COVID-19, breast cancer, SARS-SOV-2, DASS-21, PSS, score, anxiety, health care workers, psychological well-being, 1685
- Multidisciplinary team, radiotherapy, toxicity, xerostomia, head and neck cancer, treatment, survival, 623
- Multidrug resistance, efflux pump, promethazine, *Escherichia coli* K-12 AG100, efflux pump genes, pH-dependent, 65
- M multinucleated giant cells, injectable bone substitute (IBS), biphasic bone substitute (BBSM), integration, vascularization, bone regeneration, guided bone regeneration (GBR), 557
- Multiple sclerosis, antibiotic consumption, penicillin, tetracycline, 3467
- Muscle loss, biomarkers, frailty, older cancer patients, 3565
- Myeloid-derived suppressor cells, tyrosine kinase inhibitor, sunitinib, angiogenesis, tumor-associated macrophage, hypoxia, peripheral blood, 1141
- Myogenesis, mechanical loading, mechanotransduction, myotubes, 1779
- Myomectomy, fibroid surgery, centralised care, fibroid centres, 695
- Myotube formation, skeletal muscles, spinal muscular atrophy, survival motor neurons, 3247
- Myotubes, mechanical loading, mechanotransduction, myogenesis, 1779
- N-acetylcysteine (NAC), COVID-19, treatment, remdesivir (RDV), copper, EIDD-2801, review, 1567
- N-methyl-N-nitrosourea, estrogen receptor, progesterone receptor, estradiol, progesterone, breast cancer, physical activity, rat experimental model, 495
- N-NOSE, gastrointestinal cancer, early-stage, screening tests, *C. elegans*, 73
- NAFLD, methioninase, methionine restriction, MR, fatty liver, mice, 979
- Nano-LC-MS/MS, biomarkers, GDM, gestational diabetes mellitus, mass spectrometry, TMT isobaric labeling, prenatal screening, pregnancy complications, 517
- Nanocomposite particles, nanoparticles, PLGA, inhalation, drug concentration, rifampicin, 543
- Nanoparticles, nanocomposite particles, PLGA, inhalation, drug concentration, rifampicin, 543
- Nasal polyp, odontogenic tumor, sinonasal tumor, head and neck, rare tumor, adamantinoma, review, 2249
- Nasopharyngeal carcinoma, nivolumab, anti-programmed death-1 monoclonal antibody, multicenter study, immune-related adverse events, 2967
- Neck fascia, trachea, respiratory mucosa, thyroidectomy, lymphatic system, 1133
- Necrosis, mandible, condyle, capitulum, fracture, anatomy, vascularization, 1235
- Needle biopsy, breast cancer, sentinel lymph node, 355
- Neoadjuvant chemotherapy, aberrant right hepatic artery, resectability, 401
- Neoadjuvant chemotherapy, diaphragmatic lesions, ovarian cancer, peritoneal cancer, 1277
- Neoadjuvant chemotherapy, magnetic resonance imaging, breast neoplasms, pathological complete response (pCR), imaging complete response (iCR), breast cancer subtypes, 909
- Neoadjuvant chemotherapy, prognostic nutritional index, esophageal squamous cell carcinoma, esophagectomy, prognosis, 3451
- Neoadjuvant rectal score, rectal cancer, chemoradiotherapy, adjuvant therapy, 283
- Neoadjuvant therapy, rectal neoplasms, neoplasm staging, prognosis, 1993
- Neonatal hypoglycemia, 24% oral sucrose solution, high-risk infants, early feeding, 1493

- Neonatal outcome, emergency Cesarean section, decision-to-delivery interval, 3341
- Neoplasia, adrenal gland, suprarenal, leiomyoma, leiomyosarcoma, smooth muscle tumor, adrenalectomy, review, 2233
- Neoplasm metastasis, fracture, pathologic fracture, 3519
- Neoplasm staging, rectal neoplasms, neoadjuvant therapy, prognosis, 1993
- Neurocognitive function, lipid-lowering drugs, coronary heart disease, hypercholesterolemia, clinical trials, review, 3109
- Neuroendocrine carcinoma, liver metastases, Krukenberg tumors, debulking surgery, 1527
- Neuroendocrine tumor, lung, *TP53, RB1*, next-generation sequencing, PD-L1, 3375
- Neuroendocrine tumors, somatostatinoma, pancreas, diagnosis, therapeutic strategies, 3573
- Neurogenesis, angiogenesis, bilateral common carotid artery occlusion, vascular dementia, hypoxia, 191
- Neurone specific enolase, metastatic castration-resistant prostate cancer, carboplatin, 3631
- Neuropsychiatric diseases, aIBDs, autoimmune bullous diseases, bullous pemphigoid, pemphigus, comorbidities, type 2 diabetes mellitus, 2113
- Neurosurgical intervention, grade III glioma, irradiation, local tumor control, survival, 3627
- Neurosurgical resection, brain metastasis, single lesion, seizures, whole-brain irradiation, boost dose, 2705
- Neurotoxicity, x-Ray irradiation, PC12, NGF, protective effect, 1009
- Neutral position, hirayama disease, cervical MRI, flexion position, 2153
- Neutropenia, pegfilgrastim, endometrial cancer, hospitalisation, 3669
- Neutrophil to lymphocyte ratio, gastric cancer, Glasgow prognostic score, prognostic nutrition index, prognostic value, survival, 2851
- Neutrophil-lymphocyte ratio, esophageal cancer, platelet-lymphocyte ratio, c-reactive protein/albumin ratio, prognosis, 3705
- Neutrophil-to-lymphocyte ratio, rectal cancer, NLR, preoperative chemoradiotherapy, 863
- Neutrophil-to-lymphocyte ratio, thyroid cancer, lenvatinib, prognostic factors, 709
- Neutrophil-to-lymphocyte ratio, anaplastic thyroid cancer, lenvatinib, prognostic factors, 2859
- Neutrophil/lymphocyte ratio, FDG-PET, FDG uptake, breast cancer, platelet/lymphocyte ratio, inflammation, 1365
- New metastasis, eribulin, breast cancer, 917
- Newborns, congenital abdominal cystic lesions, infants, algorithm, 1215
- Next generation sequencing, prostate cancer, dNArepair genes, germline mutations, 1773
- Next-generation sequencing, larynx, diffuse large B-cell lymphoma, DLBCL, laryngeal stenosis, immunohistochemistry, NGS, 255
- Next-generation sequencing, neuroendocrine tumor, lung, *TP53, RB1, PD-L1*, 3375
- Next generation sequencing, odontogenic tumors, odontogenic cysts, SMO, BRAF, 3233
- NF- $\kappa$ B, FGF2, relA, osteoblast, pR55 $\beta$ , PP2A, 601
- NF- $\kappa$ B, radiotherapy, radiosensitizing effect, apoptosis, 3217
- NGF, x-Ray irradiation, PC12, neurotoxicity, protective effect, 1009
- NGS, larynx, diffuse large B-cell lymphoma, DLBCL, laryngeal stenosis, immunohistochemistry, next-generation sequencing, 255
- NGS, microRNAs, preeclampsia, late-onset preeclampsia, miR- 23b-5p, miR-99b-5p, 2317
- Nicotine, oxidative stress, cigarette smoke, keratinocytes, *Pinus halepensis* bark extract, 1835
- Nilotinib, BCL-2, venetoclax, asciminib, CML, ALL, 511
- Nilotinib, BCR-ABL1, e6a2, CML, TKI therapy, 1481
- Nitric oxide, DNA methylation, epigenetics, breast cancer, 169
- Nitric oxide, hydrogen sulfide, isolated heart, ischemia/reperfusion injury, oxidative damage, 2507
- Nivolumab, advanced gastric cancer, immune checkpoint inhibitors, Glasgow Prognostic Score (GPS), biomarkers, 1921
- Nivolumab, gastric cancer, peritoneal metastasis, chylous ascites, conversion surgery, pseudo progression, 583
- Nivolumab, immune-related adverse events, overall survival, progression-free survival, metastatic renal cell carcinoma, 2647
- Nivolumab, nasopharyngeal carcinoma, anti-programmed death-1 monoclonal antibody, multicenter study, immune-related adverse events, 2967
- Nivolumab plus ipilimumab, renal cell carcinoma, cardiac metastasis, FDG-PET/CT scan, 1475
- NLR, rectal cancer, neutrophil-to-lymphocyte ratio, preoperative chemoradiotherapy, 863
- No-touch isolation technique, non-small cell lung carcinoma, prognosis, 779
- Nodule, thyroid, shape, microcalcifications, malignancy, 2101
- Nodule resection, colorectal cancer, peritoneal metastasis, 1915
- Nomogram, plaque brachytherapy, interventional radiotherapy, prediction model, 106Ru, uveal melanoma, visual acuity, 381

- Non-anatomical resection, anatomical resection, hepatocellular carcinoma, propensity score matched analysis, Taiwan, Japan, disease-free survival, overall survival, 2607
- Non-invasive, bladder cancer, nude mice, orthotopic, GFP, imaging, 3225
- Non-melanoma skin cancer, epidemiology, Mohs micrographic surgery, 2107
- Non-palpable breast lesions, breast cancer, magnetic seeds, wire localization, breast conserving therapy, 1159
- Non-small cell lung cancer, 2-year survival, modern-era treatment, personalized treatment, chronic disease, 369
- Non-small cell lung cancer, clinical practice, elderly, anaplastic lymphoma kinase fusion gene mutation, ALK, 2001
- Non-small cell lung cancer, EGFR, oligo-progression, high-dose radiotherapy, 2009
- Non-small cell lung cancer, malignant pleural effusion, pleural neutrophil-to-lymphocyte ratio, 2179
- Non-small cell lung cancer, radiotherapy, lymph node metastasis, oligo-recurrence, 1883
- Non-small cell lung cancer, serum tumor markers, carcinoembryonic antigen, CEA, cytokeratin 19 fragment, CYFRA, ALK rearranged NSCLC, distant metastasis, 2095
- Non-small cell lung carcinoma, prognosis, no-touch isolation technique, 779
- Non-small cell lung cancer, erlotinib, osimertinib, PC-9-GFP, nude mice, 1027
- Non-small-cell lung carcinoma, PD-1, pembrolizumab, STK11/LKB1, 2995
- Non-specific abdominal pain, acute appendicitis, diagnostic score, leucocyte count, ROC, HSROC, 3327
- Non-thermal plasma, apoptosis, pancreatic cancer, reactive oxygen species, autophagy, 143
- Nos2, radical-scavenging activity, tetracyclines, LPS, cox2, TNF $\alpha$ , ho-1, visible light, RAW264.7 cell, 81
- Novel coronavirus-infected pneumonia, computed tomography, radiological scores, intensive care unit, death, 3735
- Novel coronavirus, SARS-CoV-2, COVID-19, antibodies, point-of-care testing, IgG, IgM, diagnostics, 3039
- NPWT, lymphadenectomy groin, vulvar cancer, 3511
- NSCLC, e-cadherin, syndecan-1, radiotherapy, immunohistochemistry, 453
- NSCLC, mETExon 14 Skipping, crizotinib, 1399
- NSCLC, oral, vinorelbine, metronomic, 2687
- NSE, biomarkers, plasma, serum, tau, S100B, stroke, TIA, simoa, 2577
- nsulin resistance, azelaic acid ester, metabolic syndrome, type 2 diabetes, cardiovascular disease, cancer, metformin, metaflammation, dyslipidemia, lipids, obesity, 1173
- NTNG1 gene, COVID-19, oRF1b gene, the UCSC Genome Browser, 1633
- NTNG1gene, COVID-19, *orf1bgene*, haloperidol, the UCSC Genome Browser, 1629
- Nuclear medicine, cancer screening, FDG, PET/CT, oncologic imaging, 469
- Nuclear undecaprenyl pyrophosphate synthase 1(NUS1), biomarkers, reticulocalbin 1(RCN1), oral squamous cell carcinoma, early detection, cancer, 2353
- Nude mice, bladder cancer, orthotopic, GFP, imaging, non-invasive, 3225
- Nude mice, erlotinib, osimertinib, PC-9-GFP, non-small cell lung cancer, 1027
- Nude mice, patient-derived xenograft, PDX, patient-derived orthotopic xenograft (PDOX), tumor implantation, surrounding tissue, co-implantation, take rate, individualized medicine, gynecological cancer, breast cancer, 3241
- Nude mice, TAG-72, fluorescent antibody, colorectal cancer orthotopic, liver metastasis, infrared fluorescence imaging, fluorescence-guided surgery, 2303
- Nude mouse, hepatocellular carcinoma, colon cancer, liver metastasis, orthotopic, cell line, patient tumor, PDOX, 3137
- Nude mouse, indocyanine green, liver, hepatic segment, labeling, liver metastasis, patient-derived orthotopic xenograph, PDOX, glissonean pedicle, ligation, imaging, 3143
- Number of fibroids, uterine smooth muscle tumors, power morcellation, risk assessment, parasitic leiomyomas, review, 1
- Nursing home, aged, deglutition disorders, mucociliary clearance, pneumonia, 845
- Nutrition, esophageal neoplasms, c-reactive protein, albumin, inflammation, 881
- Nutritional assessment tool, gastric cancer, postoperative complication, Glasgow prognostic score, 2803
- Nutritional state, laparoscopic total gastrectomy, gastric cancer, elderly patients, 2933
- NVP-BEZ235, p62/SQSTM1, bladder cancer, 1001
- OAB wet, urgency urinary incontinence, stress urinary incontinence, involuntary loss of urine, 2927
- Obesity, body mass index, colonic neoplasms, colorectal neoplasms, laparoscopy, 2079
- Obesity, endometrial cancer, metabolic syndrome, 2913
- Obesity, insulin resistance, azelaic acid ester, metabolic syndrome, type 2 diabetes, cardiovascular disease, cancer, metformin, metaflammation, dyslipidemia, lipids, 1173
- Obesity, methioninase, methionine restriction, MR, high fat diet, mice, 489
- Obesity, renal cell carcinoma, skeletal muscle mass, sarcopenia, overweight, 2873

- Obesity, TRPV1, renal ischemia/reperfusion, calcitonin gene-related peptide, inflammation, 2259
- Obstructive colon cancer, short-term outcomes, laparoscopic-assisted colectomy, 2797
- Obstructive colorectal cancer, self-expandable metal stent, SEMS, bridge to surgery, colonic decompression, 1325
- Occludin, testosterone, uterus, tight junction, claudin-4, 225
- Ocular adnexal lymphoma, periorbital lymphoma, orbital lymphoma, survival, histopathology, Ann Arbor stage, 1965
- Ocular manifestations, COVID-19, ophthalmology, treatment, side-effects, prevention, review, 1619
- Odontogenic cysts, odontogenic tumors, next generation sequencing, SMO, BRAF, 3233
- Odontogenic tumor, sinonasal tumor, nasal polyp, head and neck, rare tumor, adamantinoma, review, 2249
- Odontogenic tumors, odontogenic cysts, next generation sequencing, SMO, BRAF, 3233
- Oesophageal cancer, hybrid-VMAT, treatment planning, plan evaluation, 331
- Older cancer patients, biomarkers, frailty, muscle loss, 3565
- Older patients, chemotherapy toxicity, bevacizumab, ovarian cancer, 1451
- Oleandrin, virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Oligo-progression, non-small cell lung cancer, EGFR, high-dose radiotherapy, 2009
- Oligo-recurrence, cancer, intensity-modulated radiation therapy, lymph nodes, oligometastases, radiation therapy, 2587
- Oligo-recurrence, radiotherapy, lymph node metastasis, non-small cell lung cancer, 1883
- Oligometastases, cancer, intensity-modulated radiation therapy, lymph nodes, oligo-recurrence, radiation therapy, 2587
- Oligorecurrence, stereotactic body radiotherapy (SBRT), pulmonary oligometastasis, colorectal cancer (CRC), 2991
- Olive oil mill wastewater, glutathione S-transferase, superoxide dismutase,  $\gamma$ -glutamate–cysteine ligase, environment, 1811
- Omega-3/omega-6 ratio, breast cancer, dietary fat, fish intake, case-control study, women's health, 423
- Omental cake, debulking, ovarian cancer, 2187
- Oncologic imaging, cancer screening, FDG, PET/CT, nuclear medicine, 469
- Oogenesis, lamivudine, spermatogenesis, embryogenesis, antiretroviral drugs, reverse transcriptase, 2269
- Ophthalmology, COVID-19, ocular manifestations, treatment, side-effects, prevention, review, 1619
- Optical coherence tomography, spontaneous recanalization of coronary thrombus, complicated atherosclerotic plaque, spontaneous coronary dissection, PCI optimization, 745
- Oral recombinant methioninase, PDOX, patient-derived orthotopic xenograft, TNBC, triple-negative breast cancer, liver metastasis, re-metastasis, lymph node, ascites, treatment, 3163
- Oral squamous cell carcinoma, relative leukocyte telomere length, gene polymorphisms, 1739
- Oral squamous cell carcinoma, biomarkers, nuclear undecaprenyl pyrophosphate synthase 1(NUS1), reticulocalbin 1(RCN1), early detection, cancer, 2353
- Oral surgery, picosecond infrared laser, apicoectomy, thermal effects, laser ablation, 2325
- Oral, vinorelbine, metronomic, NSCLC, 2687
- Oral cancer, betel quid chewing, genotype, *interleukin-16*, single nucleotide polymorphism, Taiwan, 1759
- Orbital lymphoma, periorbital lymphoma, ocular adnexal lymphoma, survival, histopathology, Ann Arbor stage, 1965
- Orbital tumor, mesenchymal tumor, solitary fibrous tumor, feeding artery, 3649
- ORF1b gene, COVID-19, NTNG1 gene, the UCSC Genome Brower, 1633
- Orf1bgene*, COVID-19, nTNG1gene, haloperidol, the UCSC Genome Brower, 1629
- Oropharyngeal squamous cell carcinoma, TGFBI, 3005
- Orthodontic tooth movement, peptidergic nociceptors, trigeminal ganglia, TRPV1, vibration, 2389
- Orthotopic mouse model, ICG, fluorescence, colon cancer, liver metastasis, detection, 2277
- Orthotopic, bladder cancer, nude mice, GFP, imaging, non-invasive, 3225
- Orthotopic, hepatocellular carcinoma, colon cancer, liver metastasis, nude mouse, cell line, patient tumor, PDOX, 3137
- OSCC, pGSK3 $\beta$ , IHC, survival, AJCC, T stage, prognostic factors, 1805
- Osimertinib, erlotinib, PC-9-GFP, non-small cell lung cancer, nude mice, 1027
- Osimertinib, pneumonitis, ground-glass opacities, disease response, rechallenge, review, 315
- Ossification, sphenoo-occipital synchondrosis, down syndrome, skull base, fracture, 1427
- Osteoblast, FGF2, nF- $\kappa$ B, relA, pR55 $\beta$ , PP2A, 601
- Osteoblasts, androgen deprivation therapy, bone mineral density, micro-computed tomography, bone microenvironment, 3291
- Osteogenesis, bone powder, mesenchymal stem cell, bone morphogenic protein, 1103

- Osteogenesis, dexamethasone, drill bit, hydroxyapatite, scaffold, 1857
- Osteomyelitis, infection, *clostridium*, trauma and injuries, 291
- Osteopenia, pancreatic cancer, bone marrow density, 3551
- Osteosarcoma, high-dose methotrexate, risk factor, 3459
- Osteosarcoma, wogonin, cancer stem cells, ROS, stemness, 1077
- Ouabain, virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Outcome, hip arthroplasty, sacrectomy, chordoma, 2517
- Outcome, revision total knee arthroplasty, patella baja, pseudo-patella baja, 1153
- Outcomes, relapse, secondary cytoreduction, ovarian adenocarcinoma, pelvic resection, 397
- Ovarian adenocarcinoma, relapse, secondary cytoreduction, outcomes, pelvic resection, 397
- Ovarian cancer, cytoreduction, preoperative status, morbidity, 839
- Ovarian cancer, neoadjuvant chemotherapy, diaphragmatic lesions, peritoneal cancer, 1277
- Ovarian cancer, older patients, chemotherapy toxicity, bevacizumab, 1451
- Ovarian cancer, omental cake, debulking, 2187
- Ovarian cancer, postoperative complications, postoperative period, surgical oncology, 3361
- Ovarian cancer, right upper, cytoreduction, 1487
- Ovarian cancer, tertiary cytoreduction, upper abdomen, resection, 407
- Ovarian follicle viability, ovarian tissue transportation, fertility preservation, cryopreservation, ovarian storage, follicle loss, 533
- Ovarian storage, ovarian tissue transportation, fertility preservation, cryopreservation, ovarian follicle viability, follicle loss, 533
- Ovarian tissue transportation, fertility preservation, cryopreservation, ovarian storage, ovarian follicle viability, follicle loss, 533
- Ovarian cancer, subtotal colectomy, peritoneal carcinomatosis, 2757
- Ovary cancer, HIPEC, gastric cancer, colon cancer, 2061
- Overall survival, anatomical resection, non-anatomical resection, hepatocellular carcinoma, propensity score matched analysis, Taiwan, Japan, disease-free survival, 2607
- Overall survival, bone metastases, kidney cancer, radiotherapy, prognostic factor, 767
- Overall survival, breast cancer, triple positive, HER2- positive, hormone receptors, trastuzumab, 3441
- Overall survival, elderly patients, single brain metastasis, surgery, whole-brain irradiation, radiation boost, 1421
- Overall survival, proximal gastric cancer, splenectomy, postoperative complication, review, 3115
- Overall survival, immune-related adverse events, nivolumab, progression-free survival, metastatic renal cell carcinoma, 2647
- Overhydrated state, bioimpedance analysis, ECW/TBW value, liver fibrosis, sarcopenia, prognosis, 1347
- Overweight, renal cell carcinoma, skeletal muscle mass, sarcopenia, obesity, 2873
- Oxidative damage, hydrogen sulfide, nitric oxide, isolated heart, ischemia/reperfusion injury, 2507
- Oxidative stress, aging, coffee, antioxidant, periodontal tissue, 615
- Oxidative stress, cigarette smoke, keratinocytes, *Pinus halepensis* bark extract, nicotine, 1835
- Oxidative stress, curcumin, acetaminophen-induced hepatotoxicity, tumor necrosis factor alpha, matrix metalloproteinases, 569
- Oxidative stress, liver injury, ischemia-reperfusion injury, hepatic steatosis, pathophysiological changes, cytokines, review, 953
- Oxidative stress, sepsis, presepsin, massive bowel resection syndrome, cecal ligation and perforation, 155
- P14ARF, CDKN2A, tumour suppressor gene, single nucleotide polymorphisms (SNPs), endometrial cancer, 943
- P53, ulcerative colitis, colorectal cancer, serum anti-p53 antibodies, immunosuppressive therapy, 723
- P62/SQSTM1, NVP-BEZ235, bladder cancer, 1001
- Paclitaxel, head and neck squamous cell carcinoma, cetuximab, recurrent, metastasis, 2653
- Paclitaxel/cisplatin, locally advanced, cervical adenocarcinoma, concurrent chemoradiotherapy, 2739
- Palliative treatment, radiotherapy, cancer, performance status, symptom score, 735
- Pancarpal arthrodesis, bone tissue engineering, dog, ectroductyly, limb lengthening, 815
- Pancreas, somatostatinoma, neuroendocrine tumors, diagnosis, therapeutic strategies, 3573
- Pancreatic body adenocarcinoma, celiac axis resection, portal vein resection, cadaveric graft, 1521
- Pancreatic cancer, alkalinization therapy, urine pH, tumor microenvironment, alkaline diet, bicarbonate, 2623
- Pancreatic cancer, intraoperative blood loss, survival, recurrence, 1469
- Pancreatic cancer, malignant obstructive jaundice, percutaneous transhepatic biliary drainage, endoscopic biliary drainage, cholangiocarcinoma, 1701

- Pancreatic cancer, non-thermal plasma, apoptosis, reactive oxygen species, autophagy, 143
- Pancreatic cancer, osteopenia, bone marrow density, 3551
- Pancreatic ductal adenocarcinoma, coagulation activity, coagulation disorders, PT-INR, prognosis, 2845
- Pancreatic ductal adenocarcinoma, cRP/Alb ratio, prognostic factor, 347
- Pancreatic fistula, CONUT, pancreaticoduodenectomy, 1931
- Pancreatic neoplasm, gemcitabine, cell cycle, cyclin, microRNA, 3195
- Pancreaticoduodenectomy, CONUT, pancreatic fistula, 1931
- Pancreato-duodenectomy, ABO blood group, biliary tract cancer, prognosis, 1893
- Pancreato-duodenectomy, superior mesenteric vein, portal vein, cadaveric allograft, 787
- Pandemic, COVID-19, radiotherapy, cancer, 3731
- Pandemics, micro-droplets, mask materials, filtration efficiency, SARS-CoV-2, sneeze velocity, 1637
- Panitumumab, biliary tract cancer, BTC, anti-EGFR, cetuximab, KRAS, meta-analysis, review, 479
- Papillomaviridae, cervical intraepithelial neoplasia, colposcopy, diagnosis, 1307
- Parasitic leiomyomas, uterine smooth muscle tumors, power morcellation, risk assessment, number of fibroids, review, 1
- Parathormone, total thyroidectomy, postsurgical hypocalcemia, acute postsurgical hypoparathyroidism, 2973
- Parathyroid glands, indocyanine green, fluorescence, thyroidectomy, parathyroidectomy, review, 23
- Parathyroidectomy, indocyanine green, fluorescence, parathyroid glands, thyroidectomy, review, 23
- Partial hepatectomy, cutaneous squamous cell carcinoma, liver metastasis, adjuvant chemotherapy, complete remission, 825
- Patella baja, revision total knee arthroplasty, pseudo-patella baja, outcome, 1153
- Patent ductus arteriosus, gestational age, kidney injury biomarkers, maternal hypertension, very-low-birth-weight preterm infants, 1333
- Pathologic fracture, fracture, neoplasm metastasis, 3519
- Pathological complete response (pCR), magnetic resonance imaging, breast neoplasms, neoadjuvant chemotherapy, imaging complete response (iCR), breast cancer subtypes, 909
- Pathological complete response, chemoradiotherapy, late toxicities, long-term results, rectal cancer, 1223
- Pathological T3a upstaging, renal cell carcinoma, survival, 799
- Pathophysiological changes, liver injury, ischemia-reperfusion injury, hepatic steatosis, oxidative stress, cytokines, review, 953
- Patient outcome assessment, rhinoplasty, respiratory function test, tissue preservation, cone-beam computed tomography, 2659
- Patient outcome assessment, limb salvage, lower extremity, perfusion, reconstructive surgical procedures, 2543
- Patient tumor, hepatocellular carcinoma, colon cancer, liver metastasis, nude mouse, orthotopic, cell line, PDOX, 3137
- Patient-derived orthotopic xenograft, PDOX, TNBC, triple-negative breast cancer, liver metastasis, re-metastasis, lymph node, ascites, oral recombinant methioninase, treatment, 3163
- Patient-derived orthotopic xenograph, indocyanine green, liver, hepatic segment, labeling, liver metastasis, PDOX, glissonean pedicle, ligation, imaging, nude mouse, 3143
- Patient-derived xenograft, PDX, patient-derived orthotopic xenograft (PDOX), nude mice, tumor implantation, surrounding tissue, co-implantation, take rate, individualized medicine, gynecological cancer, breast cancer, 3241
- Patient-derived orthotopic xenograft (PDOX), patient-derived xenograft, PDX, nude mice, tumor implantation, surrounding tissue, co-implantation, take rate, individualized medicine, gynecological cancer, breast cancer, 3241
- Patient-derived orthotopic xenograft, recombinant methioninase, PDOX, TNBC, triple-negative breast cancer, resection, recurrence, inhibitor, 2281
- PC-9-GFP, erlotinib, osimertinib, non-small cell lung cancer, nude mice, 1027
- PC12, x-Ray irradiation, NGF, neurotoxicity, protective effect, 1009
- PCI optimization, spontaneous recanalization of coronary thrombus, optical coherence tomography, complicated atherosclerotic plaque, spontaneous coronary dissection, 745
- PD-1, non-small-cell lung carcinoma, pembrolizumab, STK11/LKB1, 2995
- PD-1, RCC, ICI, targeted therapy, PD-L1, subsequent therapy, 1541
- PD-1, thrombocytopenia, pembrolizumab, irAE, lung cancer, 877
- PD-L1, breast cancer, young women, tILs, 639
- PD-L1, neuroendocrine tumor, lung, TP53, RB1, next-generation sequencing, 3375
- PD-L1, RCC, ICI, targeted therapy, PD-1, subsequent therapy, 1541
- PD-L1, tumor cell, immune cell, gastric cancer, prognosis, 3171
- PD-L1, VEGF-A, breast cancer, tILs, 2641
- PDOX, hepatocellular carcinoma, colon cancer, liver metastasis, nude mouse, orthotopic, cell line, patient tumor, 3137
- PDOX, indocyanine green, liver, hepatic segment, labeling, liver metastasis, patient-derived orthotopic xenograph, glissonean pedicle, ligation, imaging, nude mouse, 3143

- PDOX, patient-derived orthotopic xenograft, TNBC, triple-negative breast cancer, liver metastasis, re-metastasis, lymph node, ascites, oral recombinant methioninase, treatment, 3163
- PDOX, recombinant methioninase, patient-derived orthotopic xenograft, TNBC, triple-negative breast cancer, resection, recurrence, inhibitor, 2281
- PDPN, podoplanin, cAFs, mammary tumour, adenoma, female dog, 213
- PDX, patient-derived xenograft, patient-derived orthotopic xenograft (PDOX), nude mice, tumor implantation, surrounding tissue, co-implantation, take rate, individualized medicine, gynecological cancer, breast cancer, 3241
- Pegfilgrastim, endometrial cancer, neutropenia, hospitalisation, 3669
- Pelvic resection, relapse, secondary cytoreduction, outcomes, ovarian adenocarcinoma, 397
- Pembrolizumab, combination chemotherapy, immune checkpoint inhibitor, pleomorphic carcinoma, lung, 1439
- Pembrolizumab, non-small-cell lung carcinoma, PD-1, STK11/LKB1, 2995
- Pembrolizumab, thrombocytopenia, PD-1, irAE, lung cancer, 877
- Pemphigus, aIBDs, autoimmune bullous diseases, bullous pemphigoid, comorbidities, type 2 diabetes mellitus, neuropsychiatric diseases, 2113
- Penicillin, antibiotic consumption, multiple sclerosis, tetracycline, 3467
- Penile tumors, malignant priapism, hematological malignancy, review, 2225
- Peptidergic nociceptors, orthodontic tooth movement, trigeminal ganglia, TRPV1, vibration, 2389
- Percutaneous transhepatic biliary drainage, malignant obstructive jaundice, endoscopic biliary drainage, pancreatic cancer, cholangiocarcinoma, 1701
- Performance status, radiotherapy, cancer, palliative treatment, symptom score, 735
- Perfusion, limb salvage, lower extremity, patient outcome assessment, reconstructive surgical procedures, 2543
- Pericardium, collagen membrane, guided Bone Regeneration (GBR), degradation, macrophages, 985
- Periodontal tissue, aging, coffee, oxidative stress, antioxidant, 615
- Periodontitis, Epstein-Barr virus, butyric acid, saliva, reactivation, 587
- Periodontitis, microRNAs, liver, 117
- Periodontitis, stroke, high-sensitive C-reactive protein, 2829
- Periorbital lymphoma, ocular adnexal lymphoma, orbital lymphoma, survival, histopathology, Ann Arbor stage, 1965
- Periostin, carcinoma, adenoma, bitches, dog, 3255
- Periostin, POSTN, cAFs, mammary tumour, carcinoma, adenoma, female dog, 1017
- Peripheral blood, tyrosine kinase inhibitor, sunitinib, angiogenesis, tumor-associated macrophage, myeloid-derived suppressor cells, hypoxia, 1141
- Peripherin, immunohistochemistry, CD56, S-100, calretinin, ganglion cells, Hirschsprung's disease, 1355
- Peritoneal cancer, neoadjuvant chemotherapy, diaphragmatic lesions, ovarian cancer, 1277
- Peritoneal carcinomatosis, subtotal colectomy, ovarian cancer, 2757
- Peritoneal metastasis, colorectal cancer, nodule resection, 1915
- Peritoneal metastasis, gastric cancer, nivolumab, chylous ascites, conversion surgery, pseudo progression, 583
- Peritumoral clefting, basal cell carcinoma, MMP-2, MMP-9, histopathology, 1271
- Peroxiredoxin II, cell cycle, mesenchymal stem cells, glycogen synthase kinase 3 beta/β-catenin signaling, 133
- Persistent descending mesocolon, bear-claw IMA, 807
- Personal protective equipment, COVID-19, radiotherapy, 1675
- Personalized medicine, prostate cancer, hDRbrachytherapy, VMAT, helical tomotherapy, focal therapy, toxicity, 1297
- Personalized treatment, non-small cell lung cancer, 2-year survival, modern-era treatment, chronic disease, 369
- PET/CT, cancer screening, FDG, nuclear medicine, oncologic imaging, 469
- PET/CT, COVID-19, cancer, radiation therapy, incidental detection, 1681
- PET/CT, head and neck tumours, hybrid imaging, PET/MRI, cancer staging, lymph node, 2029
- PET/MRI, head and neck tumours, hybrid imaging, PET/CT, cancer staging, lymph node, 2029
- PGSK3β, IHC, OSCC, survival, AJCC, T stage, prognostic factors, 1805
- PGT-A, chromosomal abnormalities, aneuploidy, X mosaicism, preimplantation genetic testing for aneuploidy, 1433
- PH-dependent, multidrug resistance, efflux pump, promethazine, *Escherichia coli* K-12 AG100, efflux pump genes, 65
- Phosphate-ERK, hypoxia, ERK, cortex, SVZ, 649
- Physical activity, breast cancer, cancer, exercise, general population, health-related quality of life, quality of life, rehabilitation, utility, 667
- Physical activity, estrogen receptor, progesterone receptor, estradiol, progesterone, breast cancer, n-methyl-N-nitrosourea, rat experimental model, 495
- Physical impairment, monitoring, quality of life, hematological malignancy, hematopoietic stem cell transplantation, 771

- Physical therapeutic approaches, cold plasma, cold atmospheric plasma, physics in medicine, review, 3103  
Physics in medicine, cold plasma, cold atmospheric plasma, physical therapeutic approaches, review, 3103  
Picosecond infrared laser, apicoectomy, oral surgery, thermal effects, laser ablation, 2325  
*Picrasma quassoides*, cervical cancer, apoptosis, ROS, mitochondria, 1823  
*Pinus halepensis* bark extract, oxidative stress, cigarette smoke, keratinocytes, nicotine, 1835  
Pituitary adenoma, *TRIB1* rs6987702 gene polymorphism, IL-9 rs1859430, rs2069870 gene polymorphism, recurrence, 2499  
Plan evaluation, hybrid-VMAT, treatment planning, oesophageal cancer, 331  
Plaque brachytherapy, interventional radiotherapy, nomogram, prediction model, 106Ru, uveal melanoma, visual acuity, 381  
Plasma, biomarkers, serum, tau, NSE, S100B, stroke, TIA, simoa, 2577  
Platelet-lymphocyte ratio, esophageal cancer, neutrophil-lymphocyte ratio, c-reactive protein/albumin ratio, prognosis, 3705  
Platelet-to-lymphocyte ratio, esophageal cancer, prognostic factors, 1941  
Platelet-to-lymphocyte ratio, metastatic colorectal cancer, afibbercept, predictive marker, prognosis, survival, 2667  
Platelet/lymphocyte ratio, FDG-PET, FDG uptake, breast cancer, neutrophil/lymphocyte ratio, inflammation, 1365  
Pleomorphic carcinoma, combination chemotherapy, immune checkpoint inhibitor, pembrolizumab, lung, 1439  
Pleural neutrophil-to-lymphocyte ratio, non-small cell lung cancer, malignant pleural effusion, 2179  
Plexiform neurofibromas., propranolol, tumorous Schwann cells, 1031  
PLGA, nanocomposite particles, nanoparticles, inhalation, drug concentration, rifampicin, 543  
Pneumonia, aged, deglutition disorders, mucociliary clearance, nursing home, 845  
Pneumonia, endoplasmic reticulum stress, SARS-CoV-2, GRP78, 1645  
Pneumonitis, osimertinib, ground-glass opacities, disease response, rechallenge, review, 315  
Podoplanin, PDPN, cAFs, mammary tumour, adenoma, female dog, 213  
Point-of-care testing, SARS-CoV-2, novel coronavirus, COVID-19, antibodies, IgG, IgM, diagnostics, 3039  
Polymorphism, age, gender, genotype, *MMP7*, pterygium, Taiwan, 51  
Polymorphism, asthma, genotype, MMP2, promoter, Taiwan, 3181  
Polymorphism, breast cancer, genotype, IL-4, Taiwan, 1111  
Polymorphisms, mouse double minute 2, MDM2, genotypes, lung cancer, Taiwan, 1047  
Portal vein embolization, colorectal liver metastases, future liver remnant volume, stem cells, tumour stimulation, 2919  
Portal vein resection, hepatic artery resection, reconstruction, locally advanced pancreatic cancer, 2791  
Portal vein resection, pancreatic body adenocarcinoma, celiac axis resection, cadaveric graft, 1521  
Portal vein, superior mesenteric vein, pancreateo-duodenectomy, cadaveric allograft, 787  
Portugal, lung cancer, incidence, sex differences, spatial cluster analysis, 2711  
Post-hepatectomy liver failure, major hepatectomy, predictive model, inflammatory marker, coagulation factor, 1255  
POSTN, periostin, cAFs, mammary tumour, carcinoma, adenoma, female dog, 1017  
Postoperative complication, nutritional assessment tool, gastric cancer, Glasgow prognostic score, 2803  
Postoperative complication, proximal gastric cancer, splenectomy, overall survival, review, 3115  
Postoperative complications, ovarian cancer, postoperative period, surgical oncology, 3361  
Postoperative complications, vulvar cancer, extended resections, 447  
Postoperative period, ovarian cancer, postoperative complications, surgical oncology, 3361  
Postoperative radiation therapy, hematuria, rectal hemorrhage, prostate cancer, dose-volume histogram, 1289  
Postsurgical hypocalcemia, total thyroidectomy, acute postsurgical hypoparathyroidism, parathormone, 2973  
Power morcellation, uterine smooth muscle tumors, risk assessment, number of fibroids, parasitic leiomyomas, review, 1  
PP2A, FGF2, nF- $\kappa$ B, relA, osteoblast, pR55 $\beta$ , 601  
PR55 $\beta$ , FGF2, nF- $\kappa$ B, relA, osteoblast, PP2A, 601  
Precision, total knee arthroplasty, fluoroscopy, radiographic images, x-ray, accuracy, 2521  
Prediction model, plaque brachytherapy, interventional radiotherapy, nomogram, 106Ru, uveal melanoma, visual acuity, 381  
Prediction, artificial neural network, ku70, radiotherapy, prostate cancer, hypopharyngeal cancer, 2865  
Predictive marker, platelet-to-lymphocyte ratio, metastatic colorectal cancer, afibbercept, prognosis, survival, 2667  
Predictive model, major hepatectomy, post-hepatectomy liver failure, inflammatory marker, coagulation factor, 1255  
Preeclampsia, Cesarean section, hypertension, induced labor, term pregnancy, 1195

- Preeclampsia, microRNAs, NGS, late-onset preeclampsia, miR- 23b-5p, miR-99b-5p, 2317
- Pregnancy complications, biomarkers, GDM, gestational diabetes mellitus, mass spectrometry, TMT isobaric labeling, nano-LC-MS/MS, prenatal screening, 517
- Preimplantation genetic testing for aneuploidy, chromosomal abnormalities, aneuploidy, X mosaicism, PGT-A, 1433
- Prenatal screening, biomarkers, GDM, gestational diabetes mellitus, mass spectrometry, TMT isobaric labeling, nano-LC-MS/MS, pregnancy complications, 517
- Preoperative chemoradiotherapy, rectal cancer, neutrophil-to-lymphocyte ratio, NLR, 863
- Preoperative chemoradiotherapy, rectal cancer, prognosis, 3559
- Preoperative status, cytoreduction, ovarian cancer, morbidity, 839
- Prerenal azotemia, malignancy, acute kidney injury, BUN to Cr ratio, 1515
- Presepsin, sepsis, oxidative stress, massive bowel resection syndrome, cecal ligation and perforation, 155
- Prevalence, seizures, cerebral metastasis, local therapies, risk factors, survival, 2727
- Prevention, COVID-19, ophthalmology, ocular manifestations, treatment, side-effects, review, 1619
- Proctitis, prostate cancer, radiotherapy, toxicity, dose escalation, androgen deprivation therapy, 757
- Professionalism, medical students, undergraduate medical education, curriculum, holistic surgical education, simulation training, 1063
- Progesterone receptor, estrogen receptor, estradiol, progesterone, breast cancer, physical activity, n-methyl-N-nitrosourea, rat experimental model, 495
- Progesterone, estrogen receptor, progesterone receptor, estradiol, breast cancer, physical activity, n-methyl-N-nitrosourea, rat experimental model, 495
- Progesterone receptor, endometrial dating, estrogen receptor, endometrial receptivity, window of implantation, 1951
- Prognosis, ABO blood group, biliary tract cancer, pancreateo - duodenectomy, 1893
- Prognosis, albumin, breast cancer, inflammation, immunity, 2033
- Prognosis, bioimpedance analysis, arm circumference, arm muscle circumference, liver cirrhosis, 687
- Prognosis, bioimpedance analysis, ECW/TBW value, overhydrated state, liver fibrosis, sarcopenia, 1347
- Prognosis, bioimpedance analysis, skeletal muscle mass index, upper limbs, liver cirrhosis, 1165
- Prognosis, CD63, meta-analysis, solid tumors, 2209
- Prognosis, colorectal cancer, c-reactive protein, monocyte count, 299
- Prognosis, colorectal carcinoma, doubling time, recurrence, tumor growth rate, 3367
- Prognosis, epithelial ovarian cancer, ANXA1, immunohistochemistry, survival, 177
- Prognosis, esophageal cancer, neutrophil-lymphocyte ratio, platelet-lymphocyte ratio, c-reactive protein/albumin ratio, 3705
- Prognosis, film-forming silicone gel, strataXRT, radiation dermatitis, breast cancer, 413MTUS1 protein, gallbladder cancer, immunohistochemistry, microRNA, real-time polymerase chain reaction, 125
- Prognosis, hepatoma-derived growth factor, hepatocellular carcinoma, microRNA, 2297
- Prognosis, liver, cancer, angiosarcoma, ROS1, target therapy, 1463
- Prognosis, metastatic renal cell cancer, systemic therapy, bone metastases, rural care, 675
- Prognosis, non-small cell lung carcinoma, no-touch isolation technique, 779
- Prognosis, pancreatic ductal adenocarcinoma, coagulation activity, coagulation disorders, PT-INR, 2845
- Prognosis, PD-L1, tumor cell, immune cell, gastric cancer, 3171
- Prognosis, platelet-to-lymphocyte ratio, metastatic colorectal cancer, afibbercept, predictive marker, survival, 2667
- Prognosis, preoperative chemoradiotherapy, rectal cancer, 3559
- Prognosis, prognostic nutritional index, esophageal squamous cell carcinoma, neoadjuvant chemotherapy, esophagectomy, 3451
- Prognosis, rectal cancer, lymph node ratio, log odds of positive lymph nodes, lymph node, chemoradiotherapy, 1247
- Prognosis, rectal neoplasms, neoadjuvant therapy, neoplasm staging, 1993
- Prognosis, seromucinous, mucinous, borderline tumors, atypical proliferative mucinous tumors, recurrence, 2014 World Health Organization, 1341
- Prognosis, soft tissue sarcoma, distant metastasis, malignant peripheral nerve sheath tumor, 1975
- Prognosis, translation, hepatocellular carcinoma, survival, 2491
- Prognostic factor, bone metastases, kidney cancer, radiotherapy, overall survival, 767
- Prognostic factor, cervical cancer, ubiquitin-associated protein 2-like, RNA interference, proliferation, 109
- Prognostic factor, gastrointestinal stromal tumor, second malignancy, second cancer, 1201
- Prognostic factor, pancreatic ductal adenocarcinoma, cRP/Alb ratio, 347

- Prognostic factors, anaplastic thyroid cancer, neutrophil-to-lymphocyte ratio, lenvatinib, 2859  
Prognostic factors, grade II gliomas, radiotherapy, local control, survival, 3719  
Prognostic factors, pGSK3 $\beta$ , IHC, OSCC, survival, AJCC, T stage, 1805  
Prognostic factors, prostate cancer, bone metastases, multi-fraction irradiation, survival, 679  
Prognostic factors, thyroid cancer, lenvatinib, neutrophil-to-lymphocyte ratio, 709  
Prognostic marker, hepatocellular carcinoma, immunohistochemistry, WNK1, survival, 2631  
Prognostic nutrition index, gastric cancer, Glasgow prognostic score, neutrophil to lymphocyte ratio, prognostic value, survival, 2851  
Prognostic nutritional index, esophageal squamous cell carcinoma, neoadjuvant chemotherapy, esophagectomy, prognosis, 3451  
Prognostic tool, melanoma, cerebral metastases, elderly patients, whole-brain radiotherapy, survival, 1361  
Prognostic value, gastric cancer, Glasgow prognostic score, neutrophil to lymphocyte ratio, prognostic nutrition index, survival, 2851  
Prognostic factor, gastric cancer, lymphovascular invasion, 1533  
Prognostic factors, esophageal cancer, platelet-to-lymphocyte ratio, 1941  
Progression-free survival, gastric cancer, irinotecan, third-line chemotherapy, 903  
Progression-free survival, immune-related adverse events, nivolumab, overall survival, metastatic renal cell carcinoma, 2647  
Proliferation, cervical cancer, ubiquitin-associated protein 2-like, prognostic factor, RNA interference, 109  
Promethazine, multidrug resistance, efflux pump, *Escherichia coli* K-12 AG100, efflux pump genes, pH-dependent, 65  
Promoter, asthma, genotype, MMP2, polymorphism, Taiwan, 3181  
Propensity score matched analysis, anatomical resection, non-anatomical resection, hepatocellular carcinoma, Taiwan, Japan, disease-free survival, overall survival, 2607  
Propensity score matching, advanced breast cancer, bevacizumab, hER2-negative, real world, 1377  
Propensity score matching, apical lymph nodes, left-sided colorectal cancer, 2981  
Prophylactic effect, sinusoidal obstruction syndrome (SOS), SOS mouse model, recombinant human soluble thrombomodulin, liver sinusoidal endothelial cells, 1037  
Propranolol, tumorous Schwann cells, plexiform neurofibromas., 1031  
Prostate cancer, bone metastases, multi-fraction irradiation, survival, prognostic factors, 679  
Prostate cancer, hematuria, rectal hemorrhage, postoperative radiation therapy, dose-volume histogram, 1289  
Prostate cancer, MRI, selectMDx, active surveillance, 393  
Prostate cancer, next generation sequencing, dNArepair genes, germline mutations, 1773  
Prostate cancer, personalized medicine, hDRbrachytherapy, VMAT, helical tomotherapy, focal therapy, toxicity, 1297  
Prostate cancer, prediction, artificial neural network, ku70, radiotherapy, hypopharyngeal cancer, 2865  
Prostate cancer, radiation oncology, MRI, tumour volume, 3473  
Prostate cancer, radiotherapy, haemogram, leukocytes, thrombocytes, haemoglobin, helical tomotherapy, IMRT, medical costs, 1555  
Prostate cancer, radiotherapy, toxicity, proctitis, dose escalation, androgen deprivation therapy, 757  
Prostate, carcinogenesis, rodent, ultrasonography, 1797  
Prostate, inflammatory myofibroblastic tumor, ALK, immunohistochemistry, 2043  
Prostate, renal-type, clear cell, carcinoma, immunohistochemistry, 2751  
Protective effect, x-Ray irradiation, PC12, NGF, neurotoxicity, 1009  
Proton beam therapy, renal cell carcinoma, local control, toxicity, radiotherapy, 2883  
Proximal gastric cancer, splenectomy, overall survival, postoperative complication, review, 3115  
Pseudo progression, gastric cancer, peritoneal metastasis, nivolumab, chylous ascites, conversion surgery, 583  
Pseudo-patella baja, revision total knee arthroplasty, patella baja, outcome, 1153  
PSS, COVID-19, breast cancer, SARS-SOV-2, DASS-21, score, anxiety, health care workers, psychological well-being, multicentric study, 1685  
Psychological well-being, COVID-19, breast cancer, SARS-SOV-2, DASS-21, PSS, score, anxiety, health care workers, multicentric study, 1685  
PT-INR, pancreatic ductal adenocarcinoma, coagulation activity, coagulation disorders, prognosis, 2845  
Pterygium, age, gender, genotype, MMP7, polymorphism, Taiwan, 51  
Pulmonary oligometastasis, stereotactic body radiotherapy (SBRT), oligorecurrence, colorectal cancer (CRC), 2991  
Pulp histology, magnetic resonance imaging, cone beam computed tomography, micro-computed tomography, pulp inflammation, internal root resorption, 1875  
Pulp, GSK3 antagonist, wnt/ $\beta$ -catenin signal, 1071

- Pulp inflammation, magnetic resonance imaging, cone beam computed tomography, micro-computed tomography, pulp histology, internal root resorption, 1875
- QA, Monte Carlo, IMRT, VMAT, agility MLC, 2371
- Quality of life, breast cancer, cancer, exercise, general population, health-related quality of life, physical activity, rehabilitation, utility, 667
- Quality of life, physical impairment, monitoring, hematological malignancy, hematopoietic stem cell transplantation, 771
- Quarantine, coronavirus, COVID-19, Greece, 1695
- Quetiapine, hepatocellular carcinoma, eRK/AKT activation, apoptosis, 2407
- Rabbit, renal function,  $^{99m}$ Tc-DMSA, ureter obstruction, 2431
- Radiation boost, elderly patients, single brain metastasis, surgery, whole-brain irradiation, overall survival, 1421
- Radiation dermatitis, film-forming silicone gel, strataXRT, breast cancer, 413
- Radiation dermatitis, film-forming silicone gel, strataXRT, breast cancer, 413MTUS1 protein, gallbladder cancer, immunohistochemistry, prognosis, microRNA, real-time polymerase chain reaction, 125
- Radiation mitigators, *Lactobacillus reuteri*, *E. coli*, interleukin-22, total body irradiation, 39
- Radiation oncology, prostate cancer, MRI, tumour volume, 3473
- Radiation therapy, cancer, intensity-modulated radiation therapy, lymph nodes, oligometastases, oligo-recurrence, 2587
- Radiation therapy, COVID-19, PET/CT, cancer, incidental detection, 1681
- Radiation-induced liver disease, hepatocellular carcinoma, volumetric modulated arc radiotherapy, stereotactic body radiation therapy, re-irradiation, dose-function histogram, single-photon emission computed tomography, 3583
- Radiation, glottic cancer, hypofractionation, hyperfractionation, late-course accelerated hyperfractionation, altered fractionation, 2769
- Radiation, magnolol, hepatocellular carcinoma, apoptosis, 1789
- Radical-scavenging activity, tetracyclines, LPS, cox2, nos2, TNF $\alpha$ , ho-1, visible light, RAW264.7 cell, 81
- Radical prostatectomy, incisional hernia repair, laparoscopic, robotics, 3407
- Radio-frequency tags, breast cancer, tumour localisation, 233
- Radioembolization, hepatocellular carcinoma, 2763
- Radiofrequency identification device, faxitron, IOCalizer<sup>TM</sup>, RFID, breast cancer, axillary surgery, targeted axillary dissection, axillary staging, sentinel node biopsy, 1207
- Radiofrequency ablation, hepatocellular carcinoma, liver cancer, microwave ablation, 3421
- Radiographic images, total knee arthroplasty, fluoroscopy, x-ray, accuracy, precision, 2521
- Radiological scores, novel coronavirus-infected pneumonia, computed tomography, intensive care unit, death, 3735
- Radiomics, rectal cancer, carcinoembryonic antigen, chemoradiotherapy, 2955
- Radiosensitizing effect, radiotherapy, apoptosis, NF- $\kappa$ B, 3217
- Radiotherapy, ALK-TKI, adverse events, lung adenocarcinoma, brain metastases, 247
- Radiotherapy, bone metastases, kidney cancer, prognostic factor, overall survival, 767
- Radiotherapy, cancer, palliative treatment, performance status, symptom score, 735
- Radiotherapy, cervical cancer, hysterectomy, 2173
- Radiotherapy, cervical cancer, inter-observer agreement, magnetic resonanc imaging, 1981
- Radiotherapy, COVID-19, pandemic, cancer, 3731
- Radiotherapy, COVID-19, personal protective equipment, 1675
- Radiotherapy, e-cadherin, syndecan-1, NSCLC, immunohistochemistry, 453
- Radiotherapy, grade II gliomas, local control, survival, prognostic factors, 3719
- Radiotherapy, kidney cancer, cerebral metastases, elderly patients, scoring instrument, survival prognosis, 1321
- Radiotherapy, low-grade fibromyxoid sarcoma, LGFMS, chemotherapy, chromosomal translocation, 239
- Radiotherapy, lymph node metastasis, oligo-recurrence, non-small cell lung cancer, 1883
- Radiotherapy, mediastinal lymphoma, target volume, hematology, 1407
- Radiotherapy, prediction, artificial neural network, ku70, prostate cancer, hypopharyngeal cancer, 2865
- Radiotherapy, prostate cancer, haemogram, leukocytes, thrombocytes, haemoglobin, helical tomotherapy, IMRT, medical costs, 1555
- Radiotherapy, prostate cancer, toxicity, proctitis, dose escalation, androgen deprivation therapy, 757
- Radiotherapy, radiosensitizing effect, apoptosis, NF- $\kappa$ B, 3217
- Radiotherapy, renal cell carcinoma, proton beam therapy, local control, toxicity, 2883
- Radiotherapy, tomato juice, carotenoids, lycopene, breast cancer, 3013
- Radiotherapy, toxicity, xerostomia, head and neck cancer, treatment, survival, multidisciplinary team, 623
- Raloxifene, SARS-CoV-2, lung failure, cytokine storm, IL6, COVID-19 therapy, bazedoxifene, 3027

- Ramucirumab, infusion-related reactions, h1-antihistamines, monoclonal antibodies, 3489
- Rare tumor, odontogenic tumor, sinonasal tumor, nasal polyp, head and neck, adamantinoma, review, 2249
- Rat experimental model, estrogen receptor, progesterone receptor, estradiol, progesterone, breast cancer, physical activity, n-methyl-N-nitrosourea, 495
- Rats, hepatocyte transplantation, microencapsulation, cryopreservation, thermo-reversible gelation polymer (TGP), function, 2309
- RAW264.7 cell, radical-scavenging activity, tetracyclines, LPS, cox2, nos2, TNF $\alpha$ , ho-1, visible light, 81
- RBL*, neuroendocrine tumor, lung, *TP53*, next-generation sequencing, PD-L1, 3375
- RCC, ICI, targeted therapy, PD-1, PD-L1, subsequent therapy, 1541
- Re-excisions, subcutaneous mastectomy, residual cancer, 2015
- Re-irradiation, hepatocellular carcinoma, volumetric modulated arc radiotherapy, stereotactic body radiation therapy, dose-function histogram, single-photon emission computed tomography, radiation-induced liver disease, 3583
- Re-irradiation, medulloblastoma, adult patients, 1283
- Re-irradiation, rectal cancer recurrence, carbon ion radiotherapy, 1547
- Re-metastasis, PDOX, patient-derived orthotopic xenograft, TNBC, triple-negative breast cancer, liver metastasis, lymph node, ascites, oral recombinant methioninase, treatment, 3163
- Reactivation, Epstein-Barr virus, periodontitis, butyric acid, saliva, 587
- Reactive oxygen species, ascorbate peroxidase, *Cyanidioschyzon merolae*, fibroblast, anti-oxidative stress, 2437
- Reactive oxygen species, non-thermal plasma, apoptosis, pancreatic cancer, autophagy, 143
- Real world, advanced breast cancer, bevacizumab, hER2-negative, propensity score matching, 1377
- Real-time polymerase chain reaction, film-forming silicone gel, strataXRT, radiation dermatitis, breast cancer, 413MTUS1 protein, gallbladder cancer, immunohistochemistry, prognosis, microRNA, 125
- Real-world experience, early breast cancer, hER2-positive, invasive disease-free survival, de-escalated therapy, 3713
- Rechallenge, osimertinib, pneumonitis, ground-glass opacities, disease response, review, 315
- Recombinant human soluble thrombomodulin, sinusoidal obstruction syndrome (SOS), SOS mouse model, liver sinusoidal endothelial cells, prophylactic effect, 1037
- Recombinant methioninase, PDOX, patient-derived orthotopic xenograft, TNBC, triple-negative breast cancer, resection, recurrence, inhibitor, 2281
- Reconstruction, hepatic artery resection, portal vein resection, locally advanced pancreatic cancer, 2791
- Reconstruction, ureter, stricture, laparoscopic, robotic, systematic review, 965
- Reconstructive surgical procedures, limb salvage, lower extremity, patient outcome assessment, perfusion, 2543
- Rectal adenocarcinoma, taTME, stomal recurrence, 2193
- Rectal cancer recurrence, carbon ion radiotherapy, re-irradiation, 1547
- Rectal cancer, adjuvant chemotherapy, adverse events, ileostomy, tolerability, 3399
- Rectal cancer, anastomotic leakage, circular side stapling technique, 3533
- Rectal cancer, chemoradiotherapy, late toxicities, long-term results, pathological complete response, 1223
- Rectal cancer, chemoradiotherapy, neoadjuvant rectal score, adjuvant therapy, 283
- Rectal cancer, hartmann's procedure, anterior resection, anastomosis, elderly, 3661
- Rectal cancer, inflammatory markers, chemoradiotherapy, microsatellite instability, 2119
- Rectal cancer, lymph node ratio, log odds of positive lymph nodes, lymph node, chemoradiotherapy, prognosis, 1247
- Rectal cancer, neutrophil-to-lymphocyte ratio, NLR, preoperative chemoradiotherapy, 863
- Rectal cancer, preoperative chemoradiotherapy, prognosis, 3559
- Rectal cancer, radiomics, carcinoembryonic antigen, chemoradiotherapy, 2955
- Rectal cancer, three-dimensional, two-dimensional, 3D laparoscopy, laparoscopic surgery, colon cancer, colorectal cancer, review, 11
- Rectal hemorrhage, hematuria, prostate cancer, postoperative radiation therapy, dose-volume histogram, 1289
- Rectal neoplasms, neoadjuvant therapy, neoplasm staging, prognosis, 1993
- Rectal toxicity, cervical cancer, central-shielding, intensity-modulate dradiation therapy, volumetric-modulated arc therapy, 3611
- Recurrence, atrial fibrillation, cardioversion, catheter ablation, diastolic dysfunction, LAVI, 889
- Recurrence, colorectal carcinoma, doubling time, prognosis, tumor growth rate, 3367
- Recurrence, esophageal cancer, lymph node ratio, survival, 2087
- Recurrence, esophageal cancer, lymph node, survival, 2021

- Recurrence, hepatocellular carcinoma, hepatectomy, 1265  
Recurrence, pancreatic cancer, intraoperative blood loss, survival, 1469  
Recurrence, pituitary adenoma, *TRIB1* rs6987702 gene polymorphism, IL-9 rs1859430, rs2069870 gene polymorphism, 2499  
Recurrence, recombinant methioninase, PDOX, patient-derived orthotopic xenograft, TNBC, triple-negative breast cancer, resection, inhibitor, 2281  
Recurrence, seromucinous, mucinous, borderline tumors, atypical proliferative mucinous tumors, 2014 World Health Organization, prognosis, 1341  
Recurrent, head and neck squamous cell carcinoma, paclitaxel, cetuximab, metastasis, 2653  
Regulatory T-cells, colorectal cancer, lymph node, immune check point, 849  
Rehabilitation, breast cancer, cancer, exercise, general population, health-related quality of life, physical activity, quality of life, utility, 667  
RelA, FGF2, nF- $\kappa$ B, osteoblast, pR55 $\beta$ , PP2A, 601  
Relapse, secondary cytoreduction, outcomes, ovarian adenocarcinoma, pelvic resection, 397  
Relapsed germ cell cancer, high dose chemotherapy, stem cell transplant, survival, 3675  
Relapsed/refractory multiple myeloma, ixazomib, dose-escalation, lenalidomide, safety, effectiveness, 2821  
Relative leukocyte telomere length, gene polymorphisms, oral squamous cell carcinoma, 1739  
Remdesivir (RDV), COVID-19, treatment, copper, n-acetylcysteine (NAC), EIDD-2801, review, 1567  
Remnant gastric cancer, laparoscopic total gastrectomy, 1987  
Renal artery clamp, juxtarenal abdominal aortic aneurysm, cold Ringer's solution perfusion, renal artery perfusion, renal protection, 739  
Renal artery perfusion, juxtarenal abdominal aortic aneurysm, cold Ringer's solution perfusion, renal artery clamp, renal protection, 739  
Renal cell carcinoma, cardiac metastasis, nivolumab plus ipilimumab, FDG-PET/CT scan, 1475  
Renal cell carcinoma, hydrogen sulfide, cystathionine  $\gamma$ -lyase, CSE, cystathionine  $\beta$ -synthase, CBS, 3-mercaptopropionate sulfurtransferase, MPST, 2775  
Renal cell carcinoma, pathological T3a upstaging, survival, 799  
Renal cell carcinoma, proton beam therapy, local control, toxicity, radiotherapy, 2883  
Renal cell carcinoma, skeletal muscle mass, sarcopenia, overweight, obesity, 2873  
Renal function,  $^{99m}$ Tc-DMSA, ureter obstruction, rabbit, 2431  
Renal ischemia/reperfusion, TRPV1, obesity, calcitonin gene-related peptide, inflammation, 2259  
Renal protection, juxtarenal abdominal aortic aneurysm, cold Ringer's solution perfusion, renal artery clamp, renal artery perfusion, 739  
Renal-type, clear cell, carcinoma, prostate, immunohistochemistry, 2751  
Reperfusion injury, antioxidants, ascorbic acid, kidney, 2475  
Resectability, aberrant right hepatic artery, neoadjuvant chemotherapy, 401  
Resection, azygos vein aneurysm, mediastinal mass, 2135  
Resection, recombinant methioninase, PDOX, patient-derived orthotopic xenograft, TNBC, triple-negative breast cancer, recurrence, inhibitor, 2281  
Resection, tertiary cytoreduction, upper abdomen, ovarian cancer, 407  
Residents, medical education, COVID-19, SARS-CoV-2, coronavirus, tele-education, virtual learning, telemedicine, medical students, review, 1603  
Residual cancer, subcutaneous mastectomy, re-excisions, 2015  
Resin, 3D printing, tracheostomy, tube, hamster, 1749  
Respiratory function test, rhinoplasty, tissue preservation, patient outcome assessment, cone-beam computed tomography, 2659  
Respiratory mucosa, trachea, thyroidectomy, neck fascia, lymphatic system, 1133  
Restenosis, femoropopliteal lesions, spot stenting, stent fracture, target lesion revascularization, 433  
Reticulocalbin 1(RCN1), biomarkers, nuclear undecaprenyl pyrophosphate synthase 1(NUS1), oral squamous cell carcinoma, early detection, cancer, 2353  
Reverse transcriptase, lamivudine, spermatogenesis, oogenesis, embryogenesis, antiretroviral drugs, 2269  
Review, adrenal gland, neoplasia, suprarenal, leiomyoma, leiomyosarcoma, smooth muscle tumor, adrenalectomy, 2233  
Review, biliary tract cancer, BTC, anti-EGFR, cetuximab, panitumumab, KRAS, meta-analysis, 479  
Review, cold plasma, cold atmospheric plasma, physical therapeutic approaches, physics in medicine, 3103  
Review, COVID-19, ophthalmology, ocular manifestations, treatment, side-effects, prevention, 1619  
Review, COVID-19, treatment, remdesivir (RDV), copper, n-acetylcysteine (NAC), EIDD-2801, 1567  
Review, histology, biopsies, histological workup, histochemical staining, immunohistochemistry, histomorphometry, 3147  
Review, indocyanine green, fluorescence, parathyroid glands, thyroidectomy, parathyroidectomy, 23

- Review, lipid-lowering drugs, neurocognitive function, coronary heart disease, hypercholesterolemia, clinical trials, 3109
- Review, liver injury, ischemia-reperfusion injury, hepatic steatosis, pathophysiological changes, oxidative stress, cytokines, 953
- Review, malignant priapism, penile tumors, hematological malignancy, 2225
- Review, medical education, COVID-19, SARS-CoV-2, coronavirus, tele-education, virtual learning, telemedicine, medical students, residents, 1603
- Review, odontogenic tumor, sinonasal tumor, nasal polyp, head and neck, rare tumor, adamantinoma, 2249
- Review, osimertinib, pneumonitis, ground-glass opacities, disease response, rechallenge, 315
- Review, proximal gastric cancer, splenectomy, overall survival, postoperative complication, 3115
- Review, SARS-CoV-2, lung failure, cytokine storm, IL6, COVID-19 therapy, 1589
- Review, SARS-CoV-2, virus, antiviral drugs, tocilizumab, coronaviruses, COVID-19, 1597
- Review, subclinical hypothyroidism, thyroid disorders, carotid artery, carotid intima-media thickness, levothyroxine, atherosclerosis, 3127
- Review, telomere length, cancer, hematological disorders, 3093
- Review, three-dimensional, two-dimensional, 3D laparoscopy, laparoscopic surgery, colon cancer, rectal cancer, colorectal cancer, 11
- Review, triple-negative breast cancer, molecular, classification, targeted, therapies, 1715
- Review, uterine smooth muscle tumors, power morcellation, risk assessment, number of fibroids, parasitic leiomyomas, 1
- Revision total knee arthroplasty, patella baja, pseudo-patella baja, outcome, 1153
- RFID, faxitron, IOCalizer™, radiofrequency identification device, breast cancer, axillary surgery, targeted axillary dissection, axillary staging, sentinel node biopsy, 1207
- Rheumatoid arthritis, exosomes, microRNA, biomarker, 2941
- Rhinoplasty, respiratory function test, tissue preservation, patient outcome assessment, cone-beam computed tomography, 2659
- Rifampicin, nanocomposite particles, nanoparticles, PLGA, inhalation, drug concentration, 543
- Right upper, cytoreduction, ovarian cancer, 1487
- Right ventricle, bevacizumab, capecitabine, cardiac metastasis, colorectal cancer, 3413
- Risk assessment, uterine smooth muscle tumors, power morcellation, number of fibroids, parasitic leiomyomas, review, 1
- Risk factor, esophageal cancer, anastomosis leak, 857
- Risk factor, high-dose methotrexate, osteosarcoma, 3459
- Risk factors, melanoma, young adult, middle-aged, 703
- Risk factors, seizures, cerebral metastasis, local therapies, prevalence, survival, 2727
- Risk factors, colorectal carcinoma location, liver metastases, liver surgery, long, term results, 2675
- Rivaroxaban, low-molecular-weight heparin, venous thromboembolism, gastrointestinal tract cancer, hepatopancreatobiliary cancer, 829
- RNA genome, coronavirus, sARs-CoV-2, covid-19, methyltransferase, s-adenosylmethionine, methylation, methionine restriction, methioninase, 1593
- RNA interference, cervical cancer, ubiquitin-associated protein 2-like, prognostic factor, proliferation, 109
- RNA-virus, virus, influenza, coronavirus, SARS, COVID-19, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Robotic, ureter, stricture, reconstruction, laparoscopic, systematic review, 965
- Robotics, incisional hernia repair, laparoscopic, radical prostatectomy, 3407
- ROC, acute appendicitis, acute abdominal pain, diagnostic score, female, male, leucocyte count, HSROC, diagnostic accuracy, 3687
- ROC, acute appendicitis, non-specific abdominal pain, diagnostic score, leucocyte count, HSROC, 3327
- Rodent, carcinogenesis, prostate, ultrasonography, 1797
- ROS, *Picrasma quassoides*, cervical cancer, apoptosis, mitochondria, 1823
- ROS, wogonin, osteosarcoma, cancer stem cells, stemness, 1077
- ROS1, liver, cancer, angiosarcoma, prognosis, target therapy, 1463
- Rs2069870 gene polymorphism, pituitary adenoma, TRIB1 rs6987702 gene polymorphism, IL-9 rs1859430, recurrence, 2499
- Rural care, metastatic renal cell cancer, systemic therapy, prognosis, bone metastases, 675
- Rutin, traumatic brain injury, brain edema, 2453
- S-1, gastric cancer, endothelial cell-specific molecule-1, ESM-1, adjuvant chemotherapy, 461
- S-100, immunohistochemistry, CD56, calretinin, peripherin, ganglion cells, Hirschsprung's disease, 1355
- S-adenosylmethionine, coronavirus, sARs-CoV-2, covid-19, RNA genome, methyltransferase, methylation, methionine restriction, methioninase, 1593

- S100A14, colorectal cancer, large intestine, immunohistochemistry, 321  
S100B, biomarkers, plasma, serum, tau, NSE, stroke, TIA, simoa, 2577  
Sacrectomy, hip arthroplasty, chordoma, outcome, 2517  
Safety, ixazomib, dose-escalation, lenalidomide, effectiveness, relapsed/refractory multiple myeloma, 2821  
Saliva, Epstein-Barr virus, periodontitis, butyric acid, reactivation, 587  
Saliva, fucoxanthin, glycine, cancer chemoprevention, tumor microenvironment, 3205  
Sarcopenia, bioimpedance analysis, ECW/TBW value, overhydrated state, liver fibrosis, prognosis, 1347  
Sarcopenia, calf circumference, chronic liver damage, screening tool, correlation, 2561  
Sarcopenia, frailty, chronic liver damage, common point, different point, 2549  
Sarcopenia, renal cell carcinoma, skeletal muscle mass, overweight, obesity, 2873  
SARs-CoV-2, coronavirus, covid-19, RNA genome, methyltransferase, s-adenosylmethionine, methylation, methionine restriction, methioninase, 1593  
SARS-CoV-2, COVID-19, emergency department, surgical emergency, first aid, lockdown, 3033  
SARS-CoV-2, COVID-19, immune checkpoint inhibitors, immune checkpoint inhibitor-related pneumonitis, severe pneumonia, 3753  
SARS-CoV-2, endoplasmic reticulum stress, pneumonia, GRP78, 1645  
SARS-CoV-2, lung failure, cytokine storm, IL6, COVID-19 therapy, review, 1589  
SARS-CoV-2, lung failure, cytokine storm, IL6, COVID-19 therapy, bazedoxifene, raloxifene, 3027  
SARS-CoV-2, medical education, COVID-19, coronavirus, tele-education, virtual learning, telemedicine, medical students, residents, review, 1603  
SARS-CoV-2, micro-droplets, pandemics, mask materials, filtration efficiency, sneeze velocity, 1637  
SARS-CoV-2, novel coronavirus, COVID-19, antibodies, point-of-care testing, IgG, IgM, diagnostics, 3039  
SARS-CoV-2, virus, antiviral drugs, tocilizumab, coronaviruses, COVID-19, review, 1597  
SARS-SOV-2, COVID-19, breast cancer, breast cancer screening, mammography, early diagnosis, local advanced diagnosis, 3047  
SARS-SOV-2, COVID-19, breast cancer, DASS-21, PSS, score, anxiety, health care workers, psychological well-being, multicentric study, 1685  
SARS-SOV-2, COVID-19, breast cancer, decision-making process, surgery refusal, anxiety, surgery, 1651  
SARS, virus, influenza, coronavirus, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723  
Scaffold, dexamethasone, drill bit, hydroxyapatite, osteogenesis, 1857  
Scalp lesions, basal cell carcinoma, dermatologic surgery, squamous cell carcinoma, 2733  
Schwannoma, anterolateral thoracotomy, giant neurogenic tumors, dumbbell tumor, 3527  
Schwannoma, hepatoduodenal ligament, fluorescence, laparoscopic resection, indocyanine green, 2037  
Score, COVID-19, breast cancer, SARS-SOV-2, DASS-21, PSS, anxiety, health care workers, psychological well-being, multicentric study, 1685  
Scoring instrument, kidney cancer, cerebral metastases, elderly patients, radiotherapy, survival prognosis, 1321  
Screening program, breast cancer, COVID-19, tailored treatment, Italy, Italy, 1661  
Screening tests, gastrointestinal cancer, early-stage, N-NOSE, *C. elegans*, 73  
Screening tool, calf circumference, sarcopenia, chronic liver damage, correlation, 2561  
Second cancer, gastrointestinal stromal tumor, second malignancy, prognostic factor, 1201  
Second malignancy, gastrointestinal stromal tumor, prognostic factor, second cancer, 1201  
Secondary cytoreduction, relapse, outcomes, ovarian adenocarcinoma, pelvic resection, 397  
Seizures, brain metastasis, single lesion, neurosurgical resection, whole-brain irradiation, boost dose, 2705  
Seizures, cerebral metastasis, local therapies, prevalence, risk factors, survival, 2727  
SelectMDx, prostate cancer, MRI, active surveillance, 393  
Selenium, thyroid cancer, MEK-ERK inhibitor, U0126, ERK pathway, 185  
Self-expandable metal stent, SEMS, bridge to surgery, obstructive colorectal cancer, colonic decompression, 1325  
SEMS, self-expandable metal stent, bridge to surgery, obstructive colorectal cancer, colonic decompression, 1325  
Senescence, lipofuscin, lung cancer, hypoxia, glycolysis, autophagy, 3187  
Sentinel lymph node biopsy, breast cancer, axillary nodal burden, 729  
Sentinel lymph node, breast cancer, needle biopsy, 355  
Sentinel node biopsy, breast cancer, axillary surgery, symptomatic breast cancer, 3503

- Sentinel node biopsy, faxitron, IOCalizer™, radiofrequency identification device, RFID, breast cancer, axillary surgery, targeted axillary dissection, axillary staging, 1207
- Sepsis, presepsin, oxidative stress, massive bowel resection syndrome, cecal ligation and perforation, 155
- Seromucinous, mucinous, borderline tumors, atypical proliferative mucinous tumors, recurrence, 2014 World Health Organization, prognosis, 1341
- Serum anti-p53 antibodies, ulcerative colitis, colorectal cancer, p53, immunosuppressive therapy, 723
- Serum tumor markers, carcinoembryonic antigen, CEA, cytokeratin 19 fragment, CYFRA, ALK rearranged NSCLC, distant metastasis, non-small cell lung cancer, 2095
- Serum, biliary neoplasm, markers, leptin, cholelithiasis, 2485
- Serum, biomarkers, plasma, tau, NSE, S100B, stroke, TIA, simoa, 2577
- Serum, microRNA, miR-375-3p, teratoma, testicular germ cell tumour, biomarkers, 163
- Severe acute respiratory syndrome, coronaviridae, intensive care units, hyperglycemia, human, 3029
- Severe pneumonia, SARS-CoV-2, COVID-19, immune checkpoint inhibitors, immune checkpoint inhibitor-related pneumonitis, 3753
- Sex differences, lung cancer, incidence, Portugal, spatial cluster analysis, 2711
- Shape, thyroid, nodule, microcalcifications, malignancy, 2101
- Short-term outcomes, obstructive colon cancer, laparoscopic-assisted colectomy, 2797
- Short-term outcomes, gastric cancer, elderly patients, gastrectomy, long-term outcomes, 2697
- Side-effects, COVID-19, ophthalmology, ocular manifestations, treatment, prevention, review, 1619
- Simoa, biomarkers, plasma, serum, tau, NSE, S100B, stroke, TIA, 2577
- Simple liver cyst, hepatic xanthogranuloma, intracystic hemorrhage, 2067
- Simulation training, medical students, undergraduate medical education, curriculum, holistic surgical education, professionalism, 1063
- Single brain metastasis, elderly patients, surgery, whole-brain irradiation, radiation boost, overall survival, 1421
- Single lesion, brain metastasis, seizures, neurosurgical resection, whole-brain irradiation, boost dose, 2705
- Single nucleotide polymorphism, betel quid chewing, genotype, *interleukin-16*, oral cancer, Taiwan, 1759
- Single nucleotide polymorphisms (SNPs), CDKN2A, P14ARF, tumour suppressor gene, endometrial cancer, 943
- Single nucleotide polymorphism, genotype, *interleukin-16*, lung cancer, 1117
- Single-photon emission computed tomography, hepatocellular carcinoma, volumetric modulated arc radiotherapy, stereotactic body radiation therapy, re-irradiation, dose-function histogram, radiation-induced liver disease, 3583
- Single-stranded DNA binding protein 2, clear cell renal cell carcinoma, immunohistochemistry, cancer prognosis, 101
- Sinonasal tumor, odontogenic tumor, nasal polyp, head and neck, rare tumor, adamantinoma, review, 2249
- Sinusoidal obstruction syndrome (SOS), SOS mouse model, recombinant human soluble thrombomodulin, liver sinusoidal endothelial cells, prophylactic effect, 1037
- Skeletal muscle atrophy, geranylgeraniol, atrogin-1, 2345
- Skeletal muscle mass index, bioimpedance analysis, upper limbs, liver cirrhosis, prognosis, 1165
- Skeletal muscle mass, renal cell carcinoma, sarcopenia, overweight, obesity, 2873
- Skeletal muscles, myotube formation, spinal muscular atrophy, survival motor neurons, 3247
- Skull base, sphenoo-occipital synchondrosis, Down syndrome, fracture, ossification, 1427
- SMO, odontogenic tumors, odontogenic cysts, next generation sequencing, BRAF, 3233
- Smooth muscle tumor, adrenal gland, neoplasia, suprarenal, leiomyoma, leiomyosarcoma, adrenalectomy, review, 2233
- Sneeze velocity, micro-droplets, pandemics, mask materials, filtration efficiency, SARS-CoV-2, 1637
- SNP, bioBank Japan, GWAS, HCV, TGFBI, 3309
- Soft tissue sarcoma, acridine orange, local recurrence, 2745
- Soft tissue sarcoma, prognosis, distant metastasis, malignant peripheral nerve sheath tumor, 1975
- Soft tissue sarcoma, follow up, systematic review, malignant tumor, 3057
- Solid tumors, CD63, meta-analysis, prognosis, 2209
- Solitary extramedullary plasmacytoma, head and neck, Taiwan, 261
- Solitary fibrous tumor, mesenchymal tumor, orbital tumor, feeding artery, 3649
- Somatostatinoma, pancreas, neuroendocrine tumors, diagnosis, therapeutic strategies, 3573
- SOS mouse model, sinusoidal obstruction syndrome (SOS), recombinant human soluble thrombomodulin, liver sinusoidal endothelial cells, prophylactic effect, 1037
- South Korea, influenza, childhood cancer survivors, 929
- SOX2, BRM270, cervical cancer, cancer stem cells, epithelial-to-mesenchymal transition, 1085
- Spatial cluster analysis, lung cancer, incidence, Portugal, sex differences, 2711
- Spermatogenesis, lamivudine, oogenesis, embryogenesis, antiretroviral drugs, reverse transcriptase, 2269

- Spheno-occipital synchondrosis, down syndrome, skull base, fracture, ossification, 1427
- Spike protein, COVID-19, ivermectin, ACE2, 3023
- Spinal muscular atrophy, myotube formation, skeletal muscles, survival motor neurons, 3247
- Spine, microdialysis, metabolism, ischemia, intervertebral disc, vertebral cancellous bone, 527
- Splenectomy, proximal gastric cancer, overall survival, postoperative complication, review, 3115
- Spontaneous coronary dissection, spontaneous recanalization of coronary thrombus, optical coherence tomography, complicated atherosclerotic plaque, PCI optimization, 745
- Spontaneous recanalization of coronary thrombus, optical coherence tomography, complicated atherosclerotic plaque, spontaneous coronary dissection, PCI optimization, 745
- Spot stenting, femoropopliteal lesions, restenosis, stent fracture, target lesion revascularization, 433
- Squamous cell carcinoma, abscess, mature ovarian teratoma, 2141
- Squamous cell carcinoma, basal cell carcinoma, dermatologic surgery, scalp lesions, 2733
- Squamous cell carcinoma, cervix, endocervical polyp, high-grade squamous intraepithelial lesion, 2613
- Squamous cell carcinoma, esophageal bypass, esophagobrochial fistula, 3D laparoscopy, 2163
- Stafne's bone cavity, mandible, lingual mandibular bone depression, fracture, anatomy, vascularization, imaging, differential diagnosis, bone tumor, 2527
- Stem cell culture and differentiation, stem cells, dimethyl sulfoxide, cryopreservation, cell proliferation osteogenic induction, adipogenic induction, 2363
- Stem cell transplant, relapsed germ cell cancer, high dose chemotherapy, survival, 3675
- Stem cells, colorectal liver metastases, future liver remnant volume, portal vein embolization, tumour stimulation, 2919
- Stem cells, stem cell culture and differentiation, dimethyl sulfoxide, cryopreservation, cell proliferation osteogenic induction, adipogenic induction, 2363
- Stemness, wogonin, osteosarcoma, cancer stem cells, ROS, 1077
- Stent fracture, femoropopliteal lesions, restenosis, spot stenting, target lesion revascularization, 433
- Stereotactic body radiation therapy, hepatocellular carcinoma, volumetric modulated arc radiotherapy, re-irradiation, dose-function histogram, single-photon emission computed tomography, radiation-induced liver disease, 3583
- Stereotactic body radiotherapy (SBRT), oligorecurrence, pulmonary oligometastasis, colorectal cancer (CRC), 2991
- Stereotactic radiosurgery, cerebral metastases, fractionated stereotactic radiotherapy, elderly, treatment personalisation, 1909
- STK11/LKB1, non-small-cell lung carcinoma, PD-1, pembrolizumab, 2995
- Stomal recurrence, rectal adenocarcinoma, taTME, 2193
- StrataXRT, film-forming silicone gel, radiation dermatitis, breast cancer, 413
- StrataXRT, film-forming silicone gel, radiation dermatitis, breast cancer, 413MTUS1 protein, gallbladder cancer, immunohistochemistry, prognosis, microRNA, real-time polymerase chain reaction, 125
- Stress urinary incontinence, mixed urinary incontinence, urgency urinary incontinence, menopause, hormonal therapy, 923
- Stress urinary incontinence, urgency urinary incontinence, OAB wet, involuntary loss of urine, 2927
- Stricture, ureter, reconstruction, laparoscopic, robotic, systematic review, 965
- Stroke, biomarkers, plasma, serum, tau, NSE, S100B, TIA, simoa, 2577
- Stroke, periodontitis, high-sensitive C-reactive protein, 2829
- Subclinical hypothyroidism, thyroid disorders, carotid artery, carotid intima-media thickness, levothyroxine, atherosclerosis, review, 3127
- Subcutaneous mastectomy, residual cancer, re-excisions, 2015
- Subepithelial connective tissue graft, gum disease, gingival recession, CO<sub>2</sub> laser, de-epithelialization, 869
- Submandibular gland, cryopreservation, branching morphogenesis, EGF, ERK1/2, AKT, 3271
- Subsequent therapy, RCC, ICI, targeted therapy, PD-1, PD-L1, 1541
- Subtotal colectomy, peritoneal carcinomatosis, ovarian cancer, 2757
- Sudden cardiac death, wearable cardioverter defibrillator (WCD), heart insufficiency, 3601
- Sunitinib, tyrosine kinase inhibitor, angiogenesis, tumor-associated macrophage, myeloid-derived suppressor cells, hypoxia, peripheral blood, 1141
- Superior mesenteric vein, portal vein, pancreateo-duodenectomy, cadaveric allograft, 787
- Superoxide dismutase, olive oil mill wastewater, glutathione S-transferase,  $\gamma$ -glutamate–cysteine ligase, environment, 1811
- Suprarenal, adrenal gland, neoplasia, leiomyoma, leiomyosarcoma, smooth muscle tumor, adrenalectomy, review, 2233
- Surgery refusal, COVID-19, breast cancer, SARS-SOV-2, decision-making process, anxiety, surgery, 1651
- Surgery, cardiac papillary fibroelastomas, left ventricle, 3681
- Surgery, clear cell carcinoma, abdominal wall endometriosis, Cesarean scar endometriosis, endometriosis, chemotherapy, 2147

- Surgery, COVID-19, breast cancer, SARS-SOV-2, decision-making process, surgery refusal, anxiety, 1651  
Surgery, elderly patients, single brain metastasis, whole-brain irradiation, radiation boost, overall survival, 1421  
Surgical education, ESMSC course, surgical training, course curriculum, iG4, 503  
Surgical emergency, COVID-19, emergency department, SARS-CoV-2, first aid, lockdown, 3033  
Surgical intensive care unit, critical care unit, intensive care unit, gynecologic oncology, cytoreduction, 2201  
Surgical oncology, ovarian cancer, postoperative complications, postoperative period, 3361  
Surgical training, surgical education, ESMSC course, course curriculum, iG4, 503  
Surrounding tissue, patient-derived xenograft, PDX, patient-derived orthotopic xenograft (PDOX), nude mice, tumor implantation, co-implantation, take rate, individualized medicine, gynecological cancer, breast cancer, 3241  
Survival motor neurons, myotube formation, skeletal muscles, spinal muscular atrophy, 3247  
Survival prognosis, kidney cancer, cerebral metastases, elderly patients, radiotherapy, scoring instrument, 1321  
Survival prognosis, urinary bladder cancer, elderly patients, brain metastases, whole-brain radiotherapy, 1317  
Survival, cK1 $\epsilon$ , melanoma, immunohistochemistry, distance metastasis, 2905  
Survival, epithelial ovarian cancer, ANXA1, immunohistochemistry, prognosis, 177  
Survival, esophageal cancer, lymph node ratio, recurrence, 2087  
Survival, esophageal cancer, lymph node, recurrence, 2021  
Survival, gastric cancer, Glasgow prognostic score, neutrophil to lymphocyte ratio, prognostic nutrition index, prognostic value, 2851  
Survival, grade II gliomas, radiotherapy, local control, prognostic factors, 3719  
Survival, grade III glioma, neurosurgical intervention, irradiation, local tumor control, 3627  
Survival, hepatocellular carcinoma, immunohistochemistry, WNK1, prognostic marker, 2631  
Survival, melanoma, cerebral metastases, elderly patients, whole-brain radiotherapy, prognostic tool, 1361  
Survival, pancreatic cancer, intraoperative blood loss, recurrence, 1469  
Survival, pathological T3a upstaging, renal cell carcinoma, 799  
Survival, periorbital lymphoma, ocular adnexal lymphoma, orbital lymphoma, histopathology, Ann Arbor stage, 1965  
Survival, pGSK3 $\beta$ , IHC, OSCC, AJCC, T stage, prognostic factors, 1805  
Survival, platelet-to-lymphocyte ratio, metastatic colorectal cancer, afibbercept, predictive marker, prognosis, 2667  
Survival, prostate cancer, bone metastases, multi-fraction irradiation, prognostic factors, 679  
Survival, radiotherapy, toxicity, xerostomia, head and neck cancer, treatment, multidisciplinary team, 623  
Survival, relapsed germ cell cancer, high dose chemotherapy, stem cell transplant, 3675  
Survival, seizures, cerebral metastasis, local therapies, prevalence, risk factors, 2727  
Survival, translation, hepatocellular carcinoma, prognosis, 2491  
SUV, DLBCL, extranodal, interim PET/CT, deauville5-point scale, 2127  
SVZ, hypoxia, ERK, phosphate-ERK, cortex, 649  
Symptom score, radiotherapy, cancer, palliative treatment, performance status, 735  
Symptomatic breast cancer, breast cancer, axillary surgery, sentinel node biopsy, 3503  
Synchronous cancer, thymic cancer, hematological malignancy, long-term survivor, case report, 1511  
Synchronous, bilateral cancer, ureter, comorbidities, 2057  
Syndecan-1, e-cadherin, radiotherapy, NSCLC, immunohistochemistry, 453  
Systematic review, follow up, malignant tumor, soft tissue sarcoma, 3057  
Systematic review, ureter, stricture, reconstruction, laparoscopic, robotic, 965  
Systemic immune-inflammation index, kidney transplantation, biomarkers, delayed graft function, acute rejection, 3349  
Systemic therapy, metastatic renal cell cancer, prognosis, bone metastases, rural care, 675  
T stage, pGSK3 $\beta$ , IHC, OSCC, survival, AJCC, prognostic factors, 1805  
TACE, liver metastases, colorectal carcinoma, chemoembolization, anti-angiogenesis, bevacizumab, irinotecan, tumor response, 683  
TAG-72, fluorescent antibody, colorectal cancer orthotopic, liver metastasis, nude mice, infrared fluorescence imaging, fluorescence-guided surgery, 2303  
tailored treatment, breast cancer, breast-conservative treatment, breast cancer, elderly, 1125  
tailored treatment, breast cancer, COVID-19, Italy, screening program, Italy, 1661  
Taiwan, adult rhinology, age, functional endoscopic sinus surgery, 2571  
Taiwan, age, gender, genotype, MMP7, polymorphism, pterygium, 51

- Taiwan, anatomical resection, non-anatomical resection, hepatocellular carcinoma, propensity score matched analysis, Japan, disease-free survival, overall survival, 2607  
Taiwan, asthma, genotype, MMP2, polymorphism, promoter, 3181  
Taiwan, betel quid chewing, genotype, *interleukin-16*, oral cancer, single nucleotide polymorphism, 1759  
Taiwan, breast cancer, genotype, IL-4, polymorphism, 1111  
Taiwan, mouse double minute 2, MDM2, polymorphisms, genotypes, lung cancer, 1047  
Taiwan, solitary extramedullary plasmacytoma, head and neck, 261  
Take rate, patient-derived xenograft, PDX, patient-derived orthotopic xenograft (PDOX), nude mice, tumor implantation, surrounding tissue, co-implantation, individualized medicine, gynecological cancer, breast cancer, 3241  
Takotsubo, ACS, ejection fraction, 3639  
Target lesion revascularization, femoropopliteal lesions, restenosis, spot stenting, stent fracture, 433  
Target volume, mediastinal lymphoma, radiotherapy, hematology, 1407  
Targeted axillary dissection, faxitron, IOCalizer™, radiofrequency identification device, RFID, breast cancer, axillary surgery, axillary staging, sentinel node biopsy, 1207  
Targeted therapy, RCC, ICI, PD-1, PD-L1, subsequent therapy, 1541  
Targeted, triple-negative breast cancer, molecular, classification, therapies, review, 1715  
Target therapy, liver, cancer, angiosarcoma, ROS1, prognosis, 1463  
TaTME, rectal adenocarcinoma, stomal recurrence, 2193  
Tau, biomarkers, plasma, serum, NSE, S100B, stroke, TIA, simoa, 2577  
Tc-99m-diethylenetriamine-penta-acetic acid-galactosyl human serum albumin (GSA) scintigraphy, indocyanine green (ICG), liver function test, liver fibrosis, 1187  
Technique, anastomosis, deserosalization, healing, jejunum, 2423  
Tele-education, medical education, COVID-19, SARS-CoV-2, coronavirus, virtual learning, telemedicine, medical students, residents, review, 1603  
Telemedicine, medical education, COVID-19, SARS-CoV-2, coronavirus, tele-education, virtual learning, medical students, residents, review, 1603  
Telomere length, cancer, hematological disorders, review, 3093  
Temozolamide, cinnamaldehyde, chemokine receptor, CXCR4, CXCR7, glioma cells, 595  
Temporomandibular joint, MR microimaging, live imaging, cartilage, malocclusion, 95  
Teratoma, microRNA, miR-375-3p, testicular germ cell tumour, serum, biomarkers, 163  
Term pregnancy, Cesarean section, hypertension, induced labor, preeclampsia, 1195  
Term results, colorectal carcinoma location, liver metastases, risk factors, liver surgery, long, 2675  
Tertiary cytoreduction, upper abdomen, resection, ovarian cancer, 407  
Testicular germ cell tumour, microRNA, miR-375-3p, teratoma, serum, biomarkers, 163  
Testosterone, connexin, uterine receptivity, early pregnancy, 1863  
Testosterone, uterus, tight junction, claudin-4, occludin, 225  
Tetracycline, antibiotic consumption, multiple sclerosis, penicillin, 3467  
Tetracyclines, radical-scavenging activity, LPS, cox2, nos2, TNF $\alpha$ , ho-1, visible light, RAW264.7 cell, 81  
TGFBI, bioBank Japan, GWAS, HCV, SNP, 3309  
TGFBI, oropharyngeal squamous cell carcinoma, 3005  
The UCSC Genome Browser, COVID-19, oRF1b gene, NTNG1 gene, 1633  
Therapeutic strategies, somatostatinoma, pancreas, neuroendocrine tumors, diagnosis, 3573  
Therapeutic strategy, cervical cancer, uterine prolapse, 2073  
Therapies, triple-negative breast cancer, molecular, classification, targeted, review, 1715  
Thermal effects, picosecond infrared laser, apicoectomy, oral surgery, laser ablation, 2325  
Thermo-reversible gelation polymer (TGP), hepatocyte transplantation, microencapsulation, cryopreservation, function, rats, 2309  
The UCSC Genome Browser, COVID-19, *orf1bgene*, nTNG1gene, haloperidol, 1629  
Third-line chemotherapy, gastric cancer, irinotecan, progression-free survival, 903  
Three-dimensional, two-dimensional, 3D laparoscopy, laparoscopic surgery, colon cancer, rectal cancer, colorectal cancer, review, 11  
Thrombocytes, prostate cancer, radiotherapy, haemogram, leukocytes, haemoglobin, helical tomotherapy, IMRT, medical costs, 1555  
Thrombocytopenia, PD-1, pembrolizumab, irAE, lung cancer, 877  
Thrombus formation, HMGB1, microminipig, 1871  
Thymic cancer, hematological malignancy, long-term survivor, synchronous cancer, case report, 1511  
Thyroid cancer, lenvatinib, neutrophil-to-lymphocyte ratio, prognostic factors, 709  
Thyroid cancer, selenium, MEK-ERK inhibitor, U0126, ERK pathway, 185

- Thyroid disorders, subclinical hypothyroidism, carotid artery, carotid intima-media thickness, levothyroxine, atherosclerosis, review, 3127
- Thyroid nodule, insulin-like growth factors, thyroid cancer, 3069
- Thyroid, nodule, shape, microcalcifications, malignancy, 2101
- Thyroid cancer, insulin-like growth factors, thyroid nodule, 3069
- Thyroidectomy, indocyanine green, fluorescence, parathyroid glands, parathyroidectomy, review, 23
- Thyroidectomy, trachea, respiratory mucosa, neck fascia, lymphatic system, 1133
- TIA, biomarkers, plasma, serum, tau, NSE, S100B, stroke, simoa, 2577
- Tight junction, testosterone, uterus, claudin-4, occludin, 225
- TILs, breast cancer, young women, PD-L1, 639
- TILs, VEGF-A, breast cancer, PD-L1, 2641
- TISSEEL®, colorectal, anastomosis, healing, diabetes, animal, 659
- Tissue microarray, TMA, laryngeal cancer, ki-67, MCM3, 5, 7, MTI/II, 3263
- Tissue preservation, rhinoplasty, respiratory function test, patient outcome assessment, cone-beam computed tomography, 2659
- TKI therapy, BCR-ABL1, e6a2, CML, nilotinib, 1481
- TMA, tissue microarray, laryngeal cancer, ki-67, MCM3, 5, 7, MTI/II, 3263
- TMT isobaric labeling, biomarkers, GDM, gestational diabetes mellitus, mass spectrometry, nano-LC-MS/MS, prenatal screening, pregnancy complications, 517
- TNBC, PDOX, patient-derived orthotopic xenograft, triple-negative breast cancer, liver metastasis, re-metastasis, lymph node, ascites, oral recombinant methioninase, treatment, 3163
- TNBC, recombinant methioninase, PDOX, patient-derived orthotopic xenograft, triple-negative breast cancer, resection, recurrence, inhibitor, 2281
- Tnfa, radical-scavenging activity, tetracyclines, LPS, cox2, nos2, ho-1, visible light, RAW264.7 cell, 81
- TNF $\alpha$ , virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, inflammation, cytokine storm, GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Tocilizumab, SARS-CoV-2, virus, antiviral drugs, coronaviruses, COVID-19, review, 1597
- Tolerability, adjuvant chemotherapy, adverse events, ileostomy, rectal cancer, 3399
- Tomato juice, carotenoids, lycopene, radiotherapy, breast cancer, 3013
- Topoisomerase I, topoisomerase II alpha, breast cancer, 3483
- Topoisomerase II alpha, topoisomerase I, breast cancer, 3483
- Total body irradiation, Fanconi anemia, genotype, JP4-039, 33
- Total body irradiation, *Lactobacillus reuteri*, *E. coli*, interleukin-22, radiation mitigators, 39
- Total knee arthroplasty, fluoroscopy, radiographic images, x-ray, accuracy, precision, 2521
- Total thyroidectomy, postsurgical hypocalcemia, acute postsurgical hypoparathyroidism, parathormone, 2973
- Toxicity, personalized medicine, prostate cancer, hDRbrachytherapy, VMAT, helical tomotherapy, focal therapy, 1297
- Toxicity, prostate cancer, radiotherapy, proctitis, dose escalation, androgen deprivation therapy, 757
- Toxicity, radiotherapy, xerostomia, head and neck cancer, treatment, survival, multidisciplinary team, 623
- Toxicity, renal cell carcinoma, proton beam therapy, local control, radiotherapy, 2883
- TP53, neuroendocrine tumor, lung, *RB1*, next-generation sequencing, PD-L1, 3375
- TPF chemotherapy, advanced hypopharyngeal laryngeal cancer, chemoselection, induction chemotherapy, 2891
- Trachea, respiratory mucosa, thyroidectomy, neck fascia, lymphatic system, 1133
- Tracheostomy, 3D printing, resin, tube, hamster, 1749
- Tracheostomy, COVID-19, infection, aerosolization, 3747
- Transcriptomics, 3D tumoroids, anticancer drug screening, glioblastoma, 199
- Translation, hepatocellular carcinoma, prognosis, survival, 2491
- Transobturator tape, bilateral apical fixation, integral theory, urinary incontinence, uterosacral ligaments, 1371
- Transparency, collagen membrane, inflammatory tissue response, wound healing, 2287
- Trastuzumab, breast cancer, triple positive, HER2- positive, hormone receptors, overall survival, 3441
- Trauma and injuries, infection, osteomyelitis, *Clostridium*, 291
- Trauma, zygomatic, fracture, etiology, epidemiological, 2049
- Traumatic brain injury, rutin, brain edema, 2453
- Treatment personalisation, cerebral metastases, stereotactic radiosurgery, fractionated stereotactic radiotherapy, elderly, 1909
- Treatment planning system, volumetric arc therapy, dose distribution, irradiation, MLC transmission, dosimetric leaf gap, 1503
- Treatment planning, hybrid-VMAT, plan evaluation, oesophageal cancer, 331
- Treatment, age-related macular degeneration, *IL1RL1rs1041973*, *IL1RAPrs4624606*, gene polymorphisms, 2443

- Treatment, COVID-19, ophthalmology, ocular manifestations, side-effects, prevention, review, 1619
- Treatment, COVID-19, remdesivir (RDV), copper, n-acetylcysteine (NAC), EIDD-2801, review, 1567
- Treatment, PDOX, patient-derived orthotopic xenograft, TNBC, triple-negative breast cancer, liver metastasis, re-metastasis, lymph node, ascites, oral recombinant methioninase, 3163
- Treatment, radiotherapy, toxicity, xerostomia, head and neck cancer, survival, multidisciplinary team, 623
- TRIB1* rs6987702 gene polymorphism, pituitary adenoma, IL-9 rs1859430, rs2069870 gene polymorphism, recurrence, 2499
- Trigeminal ganglia, orthodontic tooth movement, peptidergic nociceptors, TRPV1, vibration, 2389
- Triple positive, breast cancer, HER2- positive, hormone receptors, overall survival, trastuzumab, 3441
- Triple-negative breast cancer, molecular, classification, targeted, therapies, review, 1715
- Triple-negative breast cancer, PDOX, patient-derived orthotopic xenograft, TNBC, liver metastasis, re-metastasis, lymph node, ascites, oral recombinant methioninase, treatment, 3163
- Triple-negative breast cancer, recombinant methioninase, PDOX, patient-derived orthotopic xenograft, TNBC, resection, recurrence, inhibitor, 2281
- TRPV1, obesity, renal ischemia/reperfusion, calcitonin gene-related peptide, inflammation, 2259
- TRPV1, orthodontic tooth movement, peptidergic nociceptors, trigeminal ganglia, vibration, 2389
- Tru-Cut needle biopsy, fine needle aspiration cytology, ultrasound, breast lesions, male cancer, 3431
- TSPO ligands, cigarette smoke, cardiomyocyte cell line, H9C2, LDH, 549
- Tube, 3D printing, resin, tracheostomy, hamster, 1749
- Tumor cell, PD-L1, immune cell, gastric cancer, prognosis, 3171
- Tumor growth rate, colorectal carcinoma, doubling time, prognosis, recurrence, 3367
- Tumor implantation, patient-derived xenograft, PDX, patient-derived orthotopic xenograft (PDOX), nude mice, surrounding tissue, co-implantation, take rate, individualized medicine, gynecological cancer, breast cancer, 3241
- Tumor microenvironment, fucoxanthin, glycine, cancer chemoprevention, saliva, 3205
- Tumor necrosis factor alpha, curcumin, acetaminophen-induced hepatotoxicity, oxidative stress, matrix metalloproteinases, 569
- Tumor response, liver metastases, colorectal carcinoma, chemoembolization, TACE, anti-angiogenesis, bevacizumab, irinotecan, 683
- Tumor-associated macrophage, tyrosine kinase inhibitor, sunitinib, angiogenesis, myeloid-derived suppressor cells, hypoxia, peripheral blood, 1141
- Tumor microenvironment, pancreatic cancer, alkalization therapy, urine pH, alkaline diet, bicarbonate, 2623
- Tumorous Schwann cells, propranolol, plexiform neurofibromas., 1031
- Tumour localisation, breast cancer, radio-frequency tags, 233
- Tumour markers, diagnosis, cancer, malignant ascites, differential diagnosis, 715
- Tumour stimulation, colorectal liver metastases, future liver remnant volume, portal vein embolization, stem cells, 2919
- Tumour suppressor gene, CDKN2A, P14ARF, single nucleotide polymorphisms (SNPs), endometrial cancer, 943
- Tumour volume, prostate cancer, radiation oncology, MRI, 3473
- Twisting, cervical vertebrae, computed tomography, cranial angle, head and neck radiotherapy, 2401
- Two-dimensional, three-dimensional, 3D laparoscopy, laparoscopic surgery, colon cancer, rectal cancer, colorectal cancer, review, 11
- Tympanoplasty outcome, elderly patient, 1395
- Type 2 diabetes mellitus, aIBDs, autoimmune bullous diseases, bullous pemphigoid, pemphigus, comorbidities, neuropsychiatric diseases, 2113
- Type 2 diabetes, insulin resistance, azelaic acid ester, metabolic syndrome, cardiovascular disease, cancer, metformin, metaflammation, dyslipidemia, lipids, obesity, 1173
- Tyrosine kinase inhibitor, sunitinib, angiogenesis, tumor-associated macrophage, myeloid-derived suppressor cells, hypoxia, peripheral blood, 1141
- U0126, selenium, thyroid cancer, MEK-ERK inhibitor, ERK pathway, 185
- Ubiquitin-associated protein 2-like, cervical cancer, prognostic factor, RNA interference, proliferation, 109
- Ulcerative colitis, colitis associated colorectal cancer, epigenetic alteration, hypermethylation, corticotropin releasing hormone receptor 2, carcinogenesis, 57
- Ulcerative colitis, colorectal cancer, p53, serum anti-p53 antibodies, immunosuppressive therapy, 723
- Ultrasonography, carcinogenesis, prostate, rodent, 1797
- Ultrasound, tru-Cut needle biopsy, fine needle aspiration cytology, breast lesions, male cancer, 3431
- Uncommon EGFR mutations, long-term survival, afatinib, lung adenocarcinoma, 1459
- Undergraduate medical education, medical students, curriculum, holistic surgical education, simulation training, professionalism, 1063

- Upper abdomen, tertiary cytoreduction, resection, ovarian cancer, 407
- Upper limbs, bioimpedance analysis, skeletal muscle mass index, liver cirrhosis, prognosis, 1165
- Uptake, chitosan, magnetic nanoparticle, affinity, cytotoxicity, inflammation, x-ray sensitivity, 1729
- Ureter obstruction, renal function,  $^{99m}$ Tc-DMSA, rabbit, 2431
- Ureter, bilateral cancer, synchronous, comorbidities, 2057
- Ureter, stricture, reconstruction, laparoscopic, robotic, systematic review, 965
- Ureteral resection, endometrial stromal sarcomas, debulking surgery, 793
- Urgency urinary incontinence, mixed urinary incontinence, stress urinary incontinence, menopause, hormonal therapy, 923
- Urgency urinary incontinence, stress urinary incontinence, OAB wet, involuntary loss of urine, 2927
- Urinary bladder cancer, elderly patients, brain metastases, whole-brain radiotherapy, survival prognosis, 1317
- Urinary incontinence, bilateral apical fixation, integral theory, transobturator tape, uterosacral ligaments, 1371
- Urine pH, pancreatic cancer, alkalinization therapy, tumor microenvironment, alkaline diet, bicarbonate, 2623
- Uterine prolapse, cervical cancer, therapeutic strategy, 2073
- Uterine receptivity, testosterone, connexin, early pregnancy, 1863
- Uterine smooth muscle tumors, power morcellation, risk assessment, number of fibroids, parasitic leiomyomas, review, 1
- Uterosacral ligaments, bilateral apical fixation, integral theory, transobturator tape, urinary incontinence, 1371
- Uterus cervical cancer, high-dose rate intracavitary brachytherapy, intensity-modulated radiation therapy, whole pelvic radiation therapy, central shielding, 3387
- Uterus, testosterone, tight junction, claudin-4, occludin, 225
- Utility, breast cancer, cancer, exercise, general population, health-related quality of life, physical activity, quality of life, rehabilitation, 667
- Uveal melanoma, plaque brachytherapy, interventional radiotherapy, nomogram, prediction model, 106Ru, visual acuity, 381
- Vaccination, HPV, vaccine, 1445
- Vaccine, HPV, vaccination, 1445
- Vacuum-assisted closure therapy, fournier's Gangrene, wound healing, 1499
- Vascular dementia, angiogenesis, bilateral common carotid artery occlusion, hypoxia, neurogenesis, 191
- Vascularization, injectable bone substitute (IBS), biphasic bone substitute (BBSM), integration, multinucleated giant cells, bone regeneration, guided bone regeneration (GBR), 557
- Vascularization, mandible, condyle, capitulum, fracture, anatomy, necrosis, 1235
- Vascularization, mandible, lingual mandibular bone depression, stafne's bone cavity, fracture, anatomy, imaging, differential diagnosis, bone tumor, 2527
- Vasculogenesis, angiogenesis, chorioallantoic membrane, MCF-7, mesenchymal stem cells, 3315
- VEGF-A, breast cancer, tILs, PD-L1, 2641
- VEGF, canine cutaneous histiocytoma, angiogenesis, CD31, 3279
- Venetoclax, BCL-2, nilotinib, asciminib, CML, ALL, 511
- Venous thromboembolism, rivaroxaban, low-molecular-weight heparin, gastrointestinal tract cancer, hepatopancreatobiliary cancer, 829
- Vertebral cancellous bone, microdialysis, spine, metabolism, ischemia, intervertebral disc, 527
- Vertical bone augmentation, hydroxyapatite nanoparticles, injectable bone substitute, biodegradable materials, in vivo study, 1053
- Very-low-birth-weight preterm infants, gestational age, kidney injury biomarkers, maternal hypertension, patent ductus arteriosus, 1333
- Vibration, orthodontic tooth movement, peptidergic nociceptors, trigeminal ganglia, TRPV1, 2389
- Vinorelbine, oral, metronomic, NSCLC, 2687
- Virtual learning, medical education, COVID-19, SARS-CoV-2, coronavirus, tele-education, telemedicine, medical students, residents, review, 1603
- Virus, influenza, coronavirus, SARS, COVID-19, RNA-virus, cardiac glycosides, digitoxin, digoxin, ouabain, oleandrin, inflammation, cytokine storm, tNF $\alpha$ , GRO/KC, MIP-2, MCP1, iFN $\gamma$ , 3723
- Virus, SARS-CoV-2, antiviral drugs, tocilizumab, coronaviruses, COVID-19, review, 1597
- Visible light, radical-scavenging activity, tetracyclines, LPS, cox2, nos2, TNF $\alpha$ , ho-1, RAW264.7 cell, 81
- Visual acuity, plaque brachytherapy, interventional radiotherapy, nomogram, prediction model, 106Ru, uveal melanoma, 381
- VMAT, Monte Carlo, IMRT, agility MLC, QA, 2371
- VMAT, personalized medicine, prostate cancer, hDRbrachytherapy, helical tomotherapy, focal therapy, toxicity, 1297
- Volumetric arc therapy, treatment planning system, dose distribution, irradiation, MLC transmission, dosimetric leaf gap, 1503
- Volumetric modulated arc radiotherapy, hepatocellular carcinoma, stereotactic body radiation therapy, re-irradiation, dose-function histogram, single-photon emission computed tomography, radiation-induced liver disease, 3583

- Volumetric-modulated arc therapy, cervical cancer, central-shielding, intensity-modulate dradiation therapy, rectal toxicity, 3611
- Volumetric-modulated arc therapy, intensity-modulate dradiation therapy, knowledge-based planning, breast cancer, 1095
- Vulvar cancer, NPWT, lymphadenectomy groin, 3511
- Vulvar cancer, postoperative complications, extended resections, 447
- Vulvar carcinoma, inguinal lymph node, external beam radiation therapy, 3-dimensional radiation therapy, gynecologic malignancies, 307
- Wearable cardioverter defibrillator (WCD), heart insufficiency, sudden cardiac death, 3601
- Whole pelvic radiation therapy, uterus cervical cancer, high-dose rate intracavitary brachytherapy, intensity-modulated radiation therapy, central shielding, 3387
- Whole-brain irradiation, brain metastasis, single lesion, seizures, neurosurgical resection, boost dose, 2705
- Whole-brain irradiation, elderly patients, single brain metastasis, surgery, radiation boost, overall survival, 1421
- Whole-brain radiotherapy, melanoma, cerebral metastases, elderly patients, survival, prognostic tool, 1361
- Whole-brain radiotherapy, urinary bladder cancer, elderly patients, brain metastases, survival prognosis, 1317
- Window of implantation, endometrial dating, estrogen receptor, progesterone receptor, endometrial receptivity, 1951
- Wire localization, breast cancer, magnetic seeds, breast conserving therapy, non-palpable breast lesions, 1159
- WNK1, hepatocellular carcinoma, immunohistochemistry, prognostic marker, survival, 2631
- Wnt/β-catenin signal, GSK3 antagonist, pulp, 1071
- Wogonin, osteosarcoma, cancer stem cells, ROS, stemness, 1077
- Women's health, breast cancer, dietary fat, fish intake, omega-3/omega-6 ratio, case-control study, 423
- Wound healing, collagen membrane, transparency, inflammatory tissue response, 2287
- Wound healing, fournier's Gangrene, vacuum-assisted closure therapy, 1499
- X mosaicism, chromosomal abnormalities, aneuploidy, preimplantation genetic testing for aneuploidy, PGT-A, 1433
- X-Ray irradiation, PC12, NGF, neurotoxicity, protective effect, 1009
- X-ray sensitivity, chitosan, magnetic nanoparticle, affinity, uptake, cytotoxicity, inflammation, 1729
- X-ray, total knee arthroplasty, fluoroscopy, radiographic images, accuracy, precision, 2521
- Xenograft mice, demethoxycurcumin, DMC, human cervical cancer, HeLa cells, 2469
- Xenograft mice, casticin, human oral cancer SCC-4 cells, *in vivo*, 2461
- Xerostomia, radiotherapy, toxicity, head and neck cancer, treatment, survival, multidisciplinary team, 623
- Young adult, melanoma, middle-aged, risk factors, 703
- Young women, breast cancer, PD-L1, tILs, 639
- Zinc, antivirals, HAV, inflamasomes, interferon, 3301
- Zygomatic, fracture, trauma, etiology, epidemiological, 2049
- B-catenin, liver, hepatocellular carcinoma, CDK8, biomarkers, 1387
- Γ-glutamate–cysteine ligase, olive oil mill wastewater, glutathione S-transferase, superoxide dismutase, environment, 1811

## Authors Index

(Figures refer to page numbers)

- Abatti F, 479, 1701  
Abdullah Z, 1063  
Abe T, 739, 2897, 2991  
Abels M, 3137  
Absar MS, 3503  
Abumayyaleh M, 3639  
Aburatani T, 1325  
Acosta S, 3511  
Adachi K, 3271  
Adonakis G, 1445  
Agrogiannis G, 321  
Ahn D, 3005  
Ahn JS, 1399, 2127  
Ahn M-J, 1399  
Ahn S-Y, 2127  
Ahn S, 413  
Aibe N, 2769  
Aiello F, 3033  
Aiello V, 1333  
Aizawa K, 3013  
Aizawa N, 2549, 2561  
Akahane K, 1289  
Akahoshi S, 2067  
Akaike H, 1265  
Akashi T, 3551  
Akbari M, 2775  
Akin I, 889, 3601, 3639  
Akino Y, 1503  
Akiyama H, 2933, 3115  
Al-Muderis O, 239  
Alaibac M, 441, 2113  
Alessandroni P, 2687  
Alexander LM, 39  
Alfer J, 1951  
Alfò M, 1407  
Aligué J, 715  
Alitto AR, 1297  
Aliyeva I, 1159  
Altavilla G, 2009  
Altindirek D, 2507  
Altomare V, 1685  
Amagai M, 825  
Amano O, 1729  
Amaral L, 65  
Amaral ME, 3093  
Amemiya H, 1265  
Amendt K, 433  
Amino Y, 2995  
Amirfakhri S, 2277, 2303,  
3153, 3159  
Amling M, 1875, 2325  
Amore A, 1597  
Anaforidou M-E, 1445  
Ando K, 3533  
Ando M, 2401  
Ando S, 3247  
Ando Y, 3539  
Andreou A, 1567  
Anemona L, 1125, 3431  
Angelucci D, 1223  
Antoniadou A, 3039  
Antoniadou I, 1835  
Antoniou EA, 1715, 2217  
Antunes L, 2711  
Anzai H, 3559  
Anzellini D, 1407  
Aoki H, 1201, 1901, 1931  
Aoki T, 489, 973, 979,  
1893, 2037, 2277,  
2309  
Aoki Y, 2173, 2345, 2739  
Aomatsu N, 283  
Aoshika T, 2991  
Aoyama T, 347, 461, 849,  
857, 1341, 1469, 1533,  
2021, 2079, 2087, 2401,  
2647, 2697, 2783,  
2797  
Arai A, 2769  
Arai J, 2037  
Arakaki Y, 2173, 2739  
Aramaki T, 275  
Arata T, 1901, 1931  
Araujo A, 2711  
Ariga T, 2739  
Ariizumi S, 2607  
Arimura T, 2883  
Arisaka S, 1255  
Arisio R, 909  
Aristei C, 1297  
Arita T, 3451  
Ariyasu R, 2995  
Armutak EI, 2507  
Arnau A, 715  
Arranto C, 3545  
Asahina Y, 825  
Asai K, 247  
Asari M, 807, 2981  
Asciutto KC, 3511  
Aso N, 3655  
Assogna M, 1685  
Asunari Y, 881  
Athanasiadis A, 1445  
Athanasiou A, 1445  
Athanasiou T, 503  
Atsumi Y, 347, 849, 857,  
1469, 2021, 2079, 2087,  
2697, 2783, 2797  
Augurio A, 1223, 1981  
Azario L, 381  
Azrad M, 549  
Azuma T, 615  
Baba D, 2653  
Baba H, 339, 2845  
Baba Y, 73  
Babaya A, 57  
Babra DS, 3675  
Bacalbasa N, 397, 401, 407,  
447, 787, 793, 839, 935,  
1487, 1521, 1527, 2073,  
2135, 2141, 2187, 2225,  
2757, 2791, 2913, 3527,  
3681  
Bae GE, 2613, 3171  
Baek DW, 1993, 2127  
Baek JH, 1993  
Baka M, 2947  
Bakogiannis N, 3127  
Bakoyiannis C, 3127  
Balalau C, 1527, 2073,  
2141, 2187, 2913  
Balaska K, 3187  
Balciuniene J, 2443  
Baldelli A, 2687  
Baldelli I, 355  
Balescu I, 397, 401, 407,  
447, 787, 793, 839, 935,  
1487, 1521, 2073, 2135,  
2141, 2187, 2225, 2757,  
2791, 2913, 3527, 3681  
Baluchova K, 1773  
Bamberg F, 3473  
Bandow K, 1729  
Bang S, 101, 125  
Bang Y, 829  
Barandun M, 2543  
Barbarino R, 1125, 1685  
Barbas AS, 3349  
Barbeck M, 557, 985, 2287,  
3137  
Barbu I, 1521, 2791  
Barcellini A, 1547  
Barinova M, 369  
Barsukov E, 2527  
Bartnik P, 1307  
Basilico R, 1981  
Basolo F, 2061  
Basti M, 1223  
Bastikaityte N, 2443  
Bastos J, 2711  
Batinic M, 2287, 3137  
Batistatou A, 639, 1445,  
2269  
Bau D-T, 51, 261, 1047,  
1111, 1759, 2571, 3181  
Baù MG, 909  
Bauernhofer T, 3631  
Beckmann MW, 533, 1195,  
1951  
Behnes M, 3639  
Behr W, 3285  
Behrens R, 1951  
Bekeschus S, 3103  
Belge G, 163  
Bellia A, 3735  
Benedetto C, 909  
Benelli L, 3735  
Beniya A, 3655  
Benndorf M, 3473  
Benson C, 239

- Benth JS, 3565  
Beppu T, 2067  
Berardi R, 2147  
Berényi K, 3467  
Bergh S, 3565  
Bergós C, 715  
Bertucci F, 177  
Bezerra Machado C, 3093  
Bharath M, 1805  
Bielak L, 3473  
Bilirakis E, 1445  
Bimonte S, 1597  
Binlatah T, 2389  
Birk R, 3285  
Birke-Sørensen H, 527  
Birnbaum D, 177  
Blanck O, 1909  
Blancol JC, 3723  
Blasi MA, 381  
Bleisinger N, 1951  
Blennow K, 2577  
Bloch-Infanger C, 291  
Blohmer J-U, 1159  
Blomqvist C, 667  
Boarescu PM, 569  
Bock M, 3473  
Bodnar M, 1355  
Boku S, 2821  
Bolca C, 1527, 2073, 2187  
Boldrini L, 2061  
Bonet M, 715  
Bonora M, 1547  
Bonucci C, 3421  
Borecka P, 213, 1017, 3255  
Borgfeldt C, 3511  
Borggrefe M, 889, 3601,  
    3639  
Borsellino N, 2009  
Bortolini M, 909  
Borzillo V, 1223  
Bouabsa R, 177  
Bouba I, 2269  
Bouvet M, 973, 979, 2277,  
    2281, 2303, 3153, 3159,  
    3163  
Brábek J, 1589, 3027  
Bracci R, 2687  
Brandão CM, 2107  
Brandi G, 479, 1701, 3421  
Brandt J-A, 3341  
Brasoveanu V, 401, 787,  
    1521, 2791  
Brat K, 369  
Bratova M, 369  
Bratu O, 2225  
Bratu OG, 2141, 2187, 2757,  
    2913  
Brezean I, 397, 401, 407,  
    447, 787, 793, 839, 1487  
Briasoulis E, 453  
Brodin NP, 1681  
Brogi A, 2061  
Brugnoletti O, 623  
Bruha J, 2919  
Bruno V, 3047  
Bryś M, 1765  
Bubak J, 3255  
Buchler T, 3441  
Budan F, 2337  
Bue M, 527  
Bulboaca AE, 569  
Bullerdiek J, 1  
Bulut H, 2507  
Buonomo C, 3033, 3047  
Buonomo OC, 1125, 1651,  
    1661, 1685, 3033, 3047,  
    3735  
Buren MV, 3473  
Buzdugan E, 2811  
Byn-Ya N, 3747  
Calabro MT, 1667  
Calamia S, 729  
Calistri E, 3731  
Capelli I, 1333  
Cappelletti C, 2687  
Cappuccilli M, 1333  
Caravatta L, 1223, 1981  
Cardi M, 2485  
Carvalho Montenegro R,  
    3093  
Casado E, 715  
Casella M, 1597  
Caspi J, 1125, 1651, 1661,  
    1685, 3047  
Catalano V, 2687  
Catot S, 715  
Cattadori F, 1685  
Catucci F, 1297  
Ceaușu A-R, 3315  
Cebatoriene D, 2443  
Cegielski M, 495  
Celentano E, 1597  
Censi M, 3431  
Ceppi M, 355  
Cesana-Nigro N, 3545  
Chaicharoenaudomrung N,  
    199  
Chairakakis A, 2475  
Chamberlain F, 239  
Chan H-P, 469  
Chandimali N, 1077, 1085  
Chang C-S, 3217  
Chang H-M, 829  
Chang H-Y, 2461  
Chang J-G, 1111  
Chang J, 2631  
Chang K-H, 3407  
Chang W-S, 51, 1047, 1111,  
    1117, 1759, 3181  
Chang W, 2955  
Chanvorachote P, 1493  
Chao C-Y, 261, 1759  
Charalabopoulos A, 2163  
Charalampopoulos G, 3573  
Charalampous I, 1433  
Charfi L, 177  
Chatzigeorgiou A, 1779,  
    3069  
Chen C-S, 799  
Chen C-Y, 2905  
Chen F-H, 1141  
Chen H-K, 261  
Chen H-Y, 2469  
Chen J-C, 595  
Chen J-H, 1789  
Chen K-W, 2461  
Chen L-H, 3181  
Chen P-Y, 2461  
Chen S-M, 595  
Chen W-L, 1789  
Chen Y-E, 1805  
Chen Y-L, 2461  
Chen Y-S, 1789  
Cheng C-L, 799  
Chia D, 757  
Chiang C-H, 3217  
Chiang C-S, 1141  
Chiang I-T, 3217  
Chiaravalloti A, 1125, 1685,  
    3047  
Chiba S, 723  
Chiba Y, 1921  
Chie EK, 2119, 2955  
Chikazawa K, 3669  
Chinen N, 3247  
Chiocchi M, 1685, 3033,  
    3735  
Chiu C-W, 1805  
Chiu K-L, 3181  
Chiu K-Y, 799  
Chiu Y-L, 469  
Chiu Y-M, 1789  
Chiyonaga S, 2067  
Chlebicka I, 2733  
Cho CG, 1133  
Cho GW, 1103  
Cho H-H, 1845  
Cho H, 461, 1533  
Cho HJ, 2127  
Cho HS, 3519  
Choi BS, 2431  
Choi GS, 1993  
Choi HJ, 2281, 3163  
Choi HS, 143  
Choi MS, 191, 649  
Choi SH, 609, 1857, 2431  
Choi YE, 413  
Choi YJ, 1133  
Chou D-A, 2607  
Chou J-S, 2461  
Chou W-C, 2803  
Chou Y-C, 2469  
Christodoulou V, 1811  
Chrysikos D, 2475  
Chu C-N, 1111  
Chu P-Y, 2607  
Chueh F-S, 2469  
Chung C-M, 1805  
Chung J-G, 631, 1789, 2407,  
    2955, 3217  
Chung JB, 2955  
Chung JW, 2763  
Chung YS, 3375  
Chung YY, 191, 649  
Cianci R, 1223  
Ciaputra R, 213, 1017, 3255

- Ciavattini A, 2147  
Cicogna GT, 2113  
Ciesielska U, 3263  
Cîmpean A-M, 3315  
Cinalli S, 1981  
Cipolla C, 729  
Claroni G, 3431  
Classen-Linke I, 1951  
Claxton MR, 2517  
Cobianchi L, 1547  
Coccia N, 3731  
Cocuzza P, 3731  
Colasante A, 1223  
Collura A, 3431  
Comşa §, 3315  
Condic M, 3361  
Congedi FP, 1407  
Consoli ML, 1481  
Constantinidou A, 239  
Costa D, 3279  
Costesta M, 1685  
Cotesta M, 1651, 3033  
Cox MC, 1407  
Cozma A, 2811  
Craparo G, 1283  
Cretoiu D, 1527, 2073,  
2141, 2187, 2757,  
2913, 3681  
Criado PR, 2107  
Crispo A, 1597  
Croitoru A, 401  
Cua D, 255  
Cuccia F, 1283, 1547  
Cui Y-D, 133, 1823  
Cuomo A, 1597  
Czajkowski K, 1307  
D'Amata G, 2485  
D'Angelillo MR, 1125, 1685  
D'Aviero A, 1297  
D'Errico F, 3735  
D'Ippolito E, 1547  
Dabritz G, 3503  
Dal Mas F, 1547  
Dalhaug A, 675  
Dallas P, 1835  
Dalli S, 1685  
Damaskos C, 1715, 2217,  
3109  
Dammer U, 1195  
Dammerer D, 3057  
Danas E, 2423  
Dandachi N, 3631  
Daponte A, 1445  
Darago R, 2337  
Darbas T, 2873  
Davakis S, 1499, 2163  
Davey S, 2193  
David-Gonzalez A, 1009  
De Andreis G, 3033  
De Carolis G, 3033  
De Felice F, 623, 1613  
De Giacomo F, 1407  
De Lorenzo S, 479, 1701  
De Majo A, 1685  
De Ponti F, 1333  
De Rosa R, 355  
De Sanctis V, 1407  
De Stasio V, 3735  
Debus J, 1555  
Dedeilia A, 1063, 1603  
Dedelias P, 1603  
Deiana C, 1125  
Deliconstantinos G, 1835  
Dellaportas D, 2233  
Delli Carpini G, 2147  
Delli Pizzi A, 1981  
Deluche E, 2873  
Demircan B, 169  
Demirci Tansel C, 2507  
Demou A, 453  
Depaoli F, 355  
Descazeaud A, 2873  
Deserti M, 479  
Deutsch A, 2337  
Di Bartolomeo N, 1223  
Di Cello P, 2485  
Di Donna C, 3735  
Di Giuseppe J, 2147  
Di Gregorio S, 511, 1481  
Di Marco M, 1701  
Di Nicola M, 1223, 1981  
Di Raimondo F, 511, 1481  
Di Rocco A, 1407  
Di Santo S, 1223  
Di Sebastiano P, 1223  
Di Tommaso M, 1223,  
1981  
Di Tosto F, 3735  
Diaconu C, 793, 839, 935,  
1487, 1527, 2073, 2141,  
2187, 2757, 2913, 3527,  
3681  
Diamantis E, 1715, 3109  
Diamantopoulou A, 321  
Dias Nogueira BM, 3093  
Diaz R, 355  
Diaz-Vera J, 2419  
Dibenedetto G, 389  
Dieckmann K-P, 163  
Dima S, 397, 401, 407, 447,  
787, 793, 839, 1487, 2141,  
2187, 2757  
Dimitriadis E, 2947  
Dimitriu M, 839, 2913, 3527  
Dimitroulis D, 11, 23, 965,  
1715  
Dimopoulou I, 3029  
Dinas K, 1445  
Dittrich R, 533, 1951  
Do HJ, 771  
Doesch C, 889  
Dogaru G, 569  
Doghri R, 177  
Doi H, 1095  
Dolezel M, 3441  
Domenech M, 715  
Donadei C, 1333  
Dong Y, 3649  
Dontas I, 2973  
Dontas IA, 953  
Douglas KAA, 1619  
Douglas VP, 1619  
Dowell J, 315  
Dragulescu PR, 3681  
Dreher TC, 3601  
Driss M, 177  
Drvar DL, 1271  
Duc NM, 2153  
Dumollard JM, 2249  
Dung LT, 2153  
Dusek L, 3441  
Dydjow-Bendek D, 423  
Dzięgiel P, 213, 495, 1017,  
3255, 3263  
Dzombeta TR, 1271  
Eckardt H, 2543  
Egger EK, 3361  
Egi H, 3413  
Eichler C, 1207, 2015, 3341  
Ekuni D, 117, 615  
El-Batrawy I, 3601, 3639  
Elewa A, 2037  
Emi M, 2169  
Emin EI, 1063  
Emmert S, 985, 1965  
Emori M, 1975, 2745  
Emoto S, 3559  
Enami Y, 2037, 2309  
Endo I, 723, 1255, 2933,  
3115  
Endo T, 2001, 2095  
Endou H, 2595  
Engelmann B, 239  
Enomoto H, 687, 1165, 1347,  
2297, 2549, 2561  
Eom T-H, 1395  
Epperly MW, 33, 39  
Erber R, 533  
Erbersdobler A, 1965  
Eskelinne Maaret, 3327,  
3687  
Eskelinne Matti, 3327, 3687  
Esteve-Valverde E, 715  
Evangelinakis N, 517  
Evangelopoulou CC, 2101  
Evangelou Z, 639, 2249  
Exner D, 3361  
Ezawa M, 1277  
Facoetti A, 1547  
Facondo G, 1407  
Falchetto Osti M, 1407  
Falcone A, 2061  
Faldella G, 1333  
Fardilha M, 1797  
Farinaccio A, 3033  
Farmaki P, 1715, 3109  
Faschingbauer F, 1195  
Fasoulakis K, 965  
Fattahi A, 1951  
Faustino-Rocha AI, 1797  
Faviana P, 2061  
Fedeli SL, 2687  
Felekouras E, 1499, 2475,  
3573  
Feliciani C, 3421  
Feretis T, 2217

- Ferranti M, 2113  
Ferrari M, 2061  
Ferreira R, 1797, 3279  
Ferrera G, 1283  
Festila D, 569  
Fichtl J, 2919  
Figols C, 715  
Filemoni F, 2277, 2303, 3153, 3159  
Filipescu A, 1487, 1527, 2187, 2757, 2913  
Filippou D, 1567, 2057  
Finetti P, 177  
Finocchi V, 2659  
Fionda B, 381, 1297  
Fiore MR, 1547  
Fiorentini G, 683  
Fisher R, 33, 39  
Floris R, 3735  
Fodor B, 3467  
Forestier G, 2873  
Forfori F, 2061  
Forjaz G, 2711  
Forma E, 1765  
Fornaro L, 2061  
Fragkou PC, 3039  
Franquesa J, 715  
Frascino V, 1297  
Frega G, 479, 1701, 3421  
Fregatti P, 355, 1667  
Friedman D, 355, 1667  
Friedrich RE, 1031, 1235, 1427, 1875, 2325, 2363, 2527  
Frountzas M, 659  
Fu S-Y, 1141  
Fuentes T, 3731  
Fujihara S, 3195  
Fujii N, 845  
Fujii T, 917, 1365, 2033, 2641, 3483  
Fujikawa H, 461, 1533  
Fujimori K, 117  
Fujimoto Y, 3533  
Fujisawa M, 3301  
Fujisawa S, 81  
Fujishima S, 1941  
Fujita K-I, 3539  
Fujita K, 3195  
Fujita N, 3195  
Fujiwara H, 3451  
Fujiwara K, 1451  
Fujiwara M, 331  
Fujiwara Y, 299, 1187, 2837, 2859  
Fukatsu H, 845  
Fukuba R, 2897  
Fukuchi M, 903  
Fukuda H, 1541  
Fukuda K, 825  
Fukuda N, 709, 2859  
Fukuda R, 3399  
Fukuda T, 3387  
Fukudome I, 2851  
Fukugawa Y, 3583  
Fukumitsu N, 2883  
Fukumoto C, 3233  
Fukumoto Y, 1187  
Fukuoka T, 283  
Fukushi Y, 3013  
Fukushima T, 3661  
Fukushima Y, 2865  
Fukuyama Y, 583  
Fulco I, 2543  
Fumita S, 1921  
Funakoshi T, 825  
Funayama Y, 2001, 2095  
Furukawa J, 73  
Furukawa S, 73  
Furuse J, 2595  
Furuta M, 275  
Furuya S, 1265  
Fushida S, 1037  
Fushimi C, 2653, 2967  
Gabril M, 2775  
Gadducci A, 2061  
Gaetano LM, 1333  
Galanos A, 2475  
Galazios G, 1445  
Gałżka P, 1215, 1355  
Galie N, 935  
Galletti S, 1333  
Gambacorta MA, 381  
Garaci F, 3735  
Garcia-Contreras R, 1009, 1729  
Garg MK, 1681  
Garmpi A, 1715, 2217, 3109  
Garmpis N, 1499, 1715, 2217, 3109  
Garoufalia Z, 321  
Gavish M, 549  
Gawdzik A, 2733  
Geana RC, 3681  
Gebbia V, 2009  
Gedvilaitė G, 1739  
Gennatas S, 239  
Genovesi D, 1223, 1981  
Georgakopoulou VE, 2217, 3109  
Georgiou I, 2269  
Georgiou K, 23  
Gerhards S, 3601  
Gerhardy J, 2521  
Gerull S, 3545  
Gheban D, 569  
Ghodratollah N, 2337  
Giacchino M, 1667  
Giaka K, 2269  
Giannella L, 2147  
Giannios P, 2423  
Giatromanolaki A, 3187  
Giattini D, 381  
Gietzen T, 3639  
Ginja M, 1797  
Giordani P, 2687  
Gipponi M, 355, 1667  
Girardi A, 1333  
Giribabu N, 225  
Girlando A, 2009  
Gkogkou P, 453  
Glebauskiene B, 2499  
Gobbo G, 2113  
Godai T, 2079, 2797  
Gogbashian A, 3675  
Göktepe S, 1371  
Gong C-L, 1047, 1117  
Gong Y-X, 1823  
Gong Z, 2631  
Gonnelli A, 3731  
Gonzalez-Cruz M, 2419  
González-Fernández C, 715  
Gonzalez-Mendez H, 2419  
Gorecki G, 2073  
Gören T, 1645  
Görke O, 2287  
Gosau M, 557, 985, 2325, 2327  
Goss A, 95  
Goto E, 3489  
Goto H, 1503  
Goto K, 1255  
Goto M, 2353, 3489  
Goto Y, 1027  
Goussia A, 639  
Graceffa G, 729  
Granai AV, 1685  
Grande M, 3033  
Grando SA, 1835  
Grassi N, 729  
Graulich T, 1153, 2521  
Graziano F, 2687  
Greco A, 2061  
Greenberger JS, 33, 39  
Grigorie V, 3527  
Grimaldi F, 3735  
Grimbizis G, 1445  
Gritzeli S, 1445  
Grobelny F, 163  
Gronberg BH, 3565  
Groß J, 1159  
Grosu A-L, 3473  
Gruettner B, 2015, 3341  
Grygarkova I, 369  
Grzegrzolka J, 495  
Grzyska U, 1427  
Guadagni S, 683  
Gualtieri P, 3047  
Gueldenpfennig T, 985  
Guenther D, 2521  
Guerreiro T, 2711  
Gunashekhar DD, 3473  
Guo L, 1031  
Gurevin EG, 2507  
Guthoff RF, 1965  
Gutiérrez-Nicolás F, 2419  
Ha HD, 2153  
Ha SY, 1463  
Ha Y-C, 3519  
Habu M, 2345  
Habuchi T, 3291  
Hada T, 1341  
Haertle M, 1153  
Haeussler D, 3285  
Hagel C, 2527  
Hagele L, 3473

- Haidopoulos D, 2201  
Hakozaki M, 3495  
Hakozaki T, 2037  
Hall M, 3675  
Halmaciu I, 1527, 2073,  
2141, 2913  
Halpern SE, 3349  
Halter JP, 3545  
Hama T, 2647  
Hamada K, 2281, 3153, 3225  
Hamadate M, 3589  
Hamaguchi R, 2623  
Hamai Y, 2169  
Hamamoto K, 1289  
Han Q, 489, 973, 979, 1593,  
2281, 3163  
Han SI, 1387, 2751  
Han Y-H, 133, 1823  
Hana K, 2595  
Hanada K, 3589  
Hanaki T, 1187, 2837  
Hanaoka M, 1325  
Hanaoka T, 1915  
Hanazaki K, 2851  
Hanberg P, 527  
Hanrahan JG, 1063, 1603  
Hanstein B, 1207  
Hanyu K, 2653  
Hara H, 3247  
Hara K, 299, 461, 807, 857,  
881, 1469, 2079, 2697,  
2783, 2797, 2981  
Hara N, 687  
Harada H, 1053  
Harada M, 1941, 3705  
Harada N, 1893  
Haralambiev L, 3103  
Harissis H, 639  
Harneshaug M, 3565  
Hartmann A, 1951  
Hartmann-Wobbe J, 923  
Hasegawa K, 2549, 2561,  
3367  
Hasegawa S, 2353, 3661  
Hasegawa T, 1187, 2865,  
2995, 3233  
Hashimoto H, 2587, 3387  
Hashimoto I, 461, 849, 857,  
2697  
Hashimoto K, 2353, 2647  
Hasuike A, 869  
Hata M, 307, 2587, 3387  
Hatanaka KC, 3649  
Hatirnaz Ng O, 2507  
Hattori N, 3489, 3539  
Haus R, 679, 767  
Hauswald H, 1555  
Havel L, 369  
Hayano K, 1915  
Hayashi H, 2845  
Hayashi N, 2859  
Hayashi S, 2001, 2095  
Hayashihara K, 2001, 2095  
Hayata Y, 739, 2897  
Hedman M, 2577  
Heebkaew N, 199  
Heianna J, 2739  
Heim D, 3545  
Helmke B, 1  
Heng G, 807, 2981  
Heo J, 929  
Herfarth K, 1555  
Herukka S-K, 2577  
Hibino Y, 1729  
Higai K, 2821  
Higashi T, 2845  
Higashijima J, 863  
Higuchi T, 489, 1027, 3483  
Hilbert T, 3361  
Hildebrandt G, 1965  
Hiraga S, 739, 2897  
Hirai A, 3013  
Hirai I, 825  
Hirai R, 2991, 3611  
Hirai T, 897, 2037  
Hiraide M, 2647  
Hirakata T, 2641  
Hirano S, 2769  
Hirano Y, 807, 2981  
Hirata H, 247  
Hirata M, 3195  
Hirayama M, 2381  
Hiroi S, 3413  
Hirose T, 739, 2897  
Hiroshi T, 1533  
Hiroshima Y, 461, 3241  
Hirota S, 57  
Hirotsu T, 73  
Hiroyoshi K, 3669  
Hisamatsu Y, 3533  
Hitomi S, 2345, 2437  
Hitomi-Koide M, 3233  
Hives M, 1773  
Hizawa N, 1883, 2001, 2095  
Ho Y-J, 2631  
Hoermann K, 3285  
Hoffman RM, 489, 973, 979,  
1027, 1593, 2277, 2281,  
2303, 3153, 3159, 3163,  
3225, 3241  
Hoffmann I, 533  
Höglund K, 2577  
Hohneck A, 889  
Hokonohara K, 3533  
Holeckova K, 1773  
Hollandsworth HM, 2277,  
2303, 3153, 3159  
Holtschmidt J, 1207  
Holzmann C, 1  
Homorodean C, 745  
Honboh T, 3551  
Hong CM, 2127  
Hong J-H, 1141  
Hong J, 771  
Hongo A, 3241  
Hongo H, 2587, 3387  
Honjo S, 299, 1187, 2837  
Hori M, 2865  
Horiguchi J, 3483  
Horiike A, 2995  
Hosek P, 2919  
Hoshino N, 1325  
Hosomura N, 1265  
Hou W, 33, 39  
Houdek MT, 2517  
Houshamand A, 557, 985  
Hozumi C, 3241  
Hsieh C-L, 1789  
Hsieh H-H, 261  
Hsieh J-H, 3217  
Hsieh P-S, 595  
Hsu C-L, 2571  
Hsu C-Y, 3407  
Hsu F-T, 631, 1789, 2407,  
3217  
Hsu J-T, 2803  
Hsueh S-W, 2803  
Hsueh WH, 2803  
Hu C, 469  
Hu K, 1675  
Hu P-S, 51  
Hu Q, 3533  
Hua C-H, 261  
Huang H-C, 2461  
Huang J-Y, 2469  
Huang L-H, 3407  
Huang L-R, 2905  
Huang M, 3291  
Huang S-W, 2607  
Huang W-N, 2469  
Huang W-W, 2461, 2469  
Huang Y-P, 2469  
Huber PE, 1555  
Hue ND, 2153  
Hung C-Y, 2803  
Hung ND, 2153  
Hung S-C, 799  
Huovinen R, 667  
Hur JY, 1399  
Huumonen S, 2829  
Hwang J-H, 595  
Hyodo T, 3233  
Iannalfi A, 1547  
Ibrahim SF, 1863  
Ibuki Y, 2169  
Ichikawa D, 1265  
Ichim F, 1521  
Ichimanda M, 583  
Ielpo B, 3033  
Ifuku S, 1729  
Igari M, 2991, 3611  
Ignak S, 155  
Iguchi K, 3661  
Iguchi T, 1987, 3551  
Ihm C, 2941  
Iida Y, 1277, 3559  
Iijima H, 687, 1165, 1347,  
2297, 2549, 2561  
Iijima Y, 1009, 1729  
Iikura Y, 2647  
Iioka A, 3655

- Iizuka J, 1541  
Iizuka Y, 897  
Ikebe M, 1987  
Ikeda M, 57, 1377, 3713  
Ikeda N, 2549, 2561  
Ikeda S, 3413  
Ikeda Y, 109  
Ikeuchi H, 57  
Ikoma H, 3451  
Ilías I, 3029  
Iliescu L, 787, 793, 839, 935, 1487, 1527, 2073, 2141, 2187, 2757, 2913, 3527, 3681  
Iliescu VA, 3681  
Iliopoulos DC, 953  
Im H-S, 829  
Imai K, 587, 2845, 3669  
Imanishi S, 1915  
Imperatori L, 2687  
Inada M, 1095  
Inagaki D, 3661  
Inaishi T, 3539  
Inami E, 109  
Inayama Y, 723  
Inchingolo R, 683  
Ingallinella S, 1651, 1685  
Innocenti P, 1223  
Inoue A, 2345  
Inoue E, 1095  
Inoue H, 3387, 3747  
Inoue K, 247  
Inoue M, 339  
Inoue S, 1265  
Inoue T, 283, 2587, 3291, 3387  
Inubushi S, 489, 973, 979, 3153, 3225, 3241  
Ioakeim E, 453  
Ioannidis IA, 2101  
Iorga L, 2225  
Ishibashi H, 1341  
Ishibashi K, 903  
Ishibashi N, 2721  
Ishibashi Y, 1941, 3705  
Ishibe A, 723  
Ishida H, 903, 1541  
Ishida S, 2159, 3649  
Ishiguro T, 903  
Ishihara H, 1541  
Ishihara S, 3367, 3559  
Ishii H, 3559  
Ishii T, 807, 2981, 3309  
Ishikawa D, 863  
Ishikawa H, 1883, 2001, 2095, 2883  
Ishikawa K, 1095  
Iso Y, 1893  
Isono M, 331, 1503  
Itaki C, 3013  
Itamoto T, 3413  
Itazaki Y, 1941, 3705  
Ito E, 307  
Ito H, 461  
Ito K, 95  
Ito N, 1941, 3705  
Ito T, 1001, 1871, 2159, 2623, 3669  
Itoyama R, 2845  
Iwabu J, 2851  
Iwahashi H, 1341  
Iwama H, 3195  
Iwata H, 2883  
Iwata Y, 687, 1165, 1347, 2297, 2549, 2561  
Izbicka E, 1173  
Izumi S, 3233  
Izzo L, 2485  
Izzo P, 2485  
Izzo S, 2485  
Jäger W, 1371, 2927  
Jahaj E, 3029  
Jäkälä P, 2577  
Jang BG, 2209  
Jang CH, 1103, 1395  
Jang K, 101, 125  
Jang SJ, 609, 1857, 2431  
Jang Y, 1463  
Janga D, 1603  
Janssen S, 679, 767, 1361  
Janus I, 213, 1017, 3255  
Jarkovsky J, 3441  
Jee S, 101, 125  
Jeon SH, 2955  
Jeong H, 829  
Jeong JH, 829  
Jeong JY, 3005  
Jeong S-H, 1395  
Jeong S-Y, 2127  
Jesus P, 2873  
Jin M-H, 133, 1823  
Jin Y-H, 133, 1823  
Jo S-K, 1845  
Jo Y-J, 1823  
Jogo T, 3533  
Johnson JD, 2517  
Jones RL, 239  
Joseph M, 3675  
Joshi PV, 3675  
Jowett N, 2325  
Ju GS, 191  
Jumatovaite Z, 1739  
Jun YH, 191, 649  
Juncar M, 2049  
Juncar R-I, 2049  
Jünemann AM, 1965  
Jung H, 1463, 1749  
Jung HA, 1399  
Jung HJ, 929  
Jung O, 557, 985, 2287, 3137  
Jung S-H, 2127  
Jung U, 1845  
Jung W, 1247, 2491  
Junghanss C, 1965  
Juriasingani S, 2775  
Kääriäinen MT, 703  
Kabarriti R, 1681  
Kacperczyk-Bartnik J, 1307  
Kaewpitak A, 2389  
Kafantarais I, 1811  
Kagamu H, 877, 1511  
Kagawa M, 1987  
Kagohashi K, 389  
Kagoo T, 2821  
Kai S, 583  
Kai Y, 3583  
Kaira K, 877, 1511  
Kaizu H, 307  
Kajiwara A, 2037  
Kajiyama H, 109  
Kakava K, 2973  
Kake S, 1871  
Kakimoto S, 1341  
Kakkassery V, 1965  
Kalantaridou S, 2317  
Kalbermatten DF, 291, 2543  
Kalogiannidis I, 1445  
Kamada H, 3195  
Kamal DAM, 1863  
Kamimura R, 3233  
Kamimura S, 3309  
Kamina S, 639  
Kamioka Y, 347  
Kamiya M, 347, 1469  
Kämpe TA, 735  
Kanao K, 1475  
Kanavakis E, 1433  
Kanavidis P, 3573  
Kanda T, 3301, 3309  
Kanda Y, 1729  
Kandefer-Gola M, 1017  
Kaneda N, 2401  
Kaneko A, 1053  
Kaneko G, 1475  
Kaneko M, 3559  
Kaneko N, 845  
Kaneko T, 587  
Kaneshima I, 2173, 2739  
Kaneuchi Y, 3495  
Kanfer E, 3675  
Kang B-H, 2119  
Kang B-J, 815  
Kang BW, 1993  
Kang HS, 2179  
Kang S-B, 2119, 2955  
Kano K, 461, 849, 857, 1533, 2021, 2087, 2697, 2783, 2797  
Kanou S, 1037  
Kapogiannis F, 965, 2057  
Karagiannis A, 3069  
Karaminas NI, 2101  
Karampelias V, 2475  
Karatzas T, 953, 2973  
Karga HJ, 2101  
Karlínova B, 369  
Karpathiou G, 639, 2249  
Karsten MM, 1159  
Karydakis L, 1499  
Kasahara K, 3115  
Kasai T, 3747  
Kase M, 3649  
Kase S, 2159, 3649  
Kashihara H, 863  
Kashima S, 3291

- Kashimata M, 3271  
Kasireddy V, 3597  
Kassi E, 2973, 3069  
Kassi GN, 2101  
Kastanioudakis I, 2249  
Kato K, 3195  
Kato S, 2991, 3611  
Kato T, 807  
Katsube Y, 2891  
Katsuda K, 1901, 1931  
Katsuya Y, 1027  
Kattamis A, 2947  
Kautiainen H, 667  
Kavantzas N, 321  
Kavvatha D, 3039  
Kawabata K, 2769  
Kawabata R, 1921  
Kawaguchi H, 1871  
Kawaguchi T, 779  
Kawaguchi Y, 1265  
Kawahara M, 1289  
Kawahara S, 2021, 2087,  
2783, 2797  
Kawai K, 2595, 3367, 3559  
Kawaida H, 1265  
Kawakami H, 1921  
Kawakami R, 3495  
Kawamata H, 3233  
Kawamura Y, 1325, 3589  
Kawanami S, 583  
Kawano T, 1325  
Kawata A, 81  
Kawauchi H, 1341  
Kaya M, 2453  
Kazama K, 849, 857, 1469,  
2021, 2079, 2087, 2697,  
2783, 2797  
Kehl S, 1195  
Kelekis A, 3039  
Kellokumpu-Lehtinen P-L,  
667  
Kesseli SJ, 3349  
Keyver-Paik M-D, 3361  
Kihara K, 299, 1187, 2837  
Kikkawa F, 109  
Kikuchi N, 2001, 2095  
Kikumori T, 3539  
Kilic ID, 361  
Kilic O, 361  
Kim A, 2491  
Kim B-H, 2491  
Kim B, 2955  
Kim BH, 1133  
Kim D-J, 191, 649  
Kim DC, 2209  
Kim DH, 3171  
Kim H-B, 1133  
Kim H-C, 2763  
Kim H-J, 2127, 3005  
Kim H-N, 1463  
Kim H-S, 2613  
Kim H, 101, 125, 2491  
Kim HG, 3619  
Kim HJ, 413, 1993  
Kim HK, 2491  
Kim HW, 2179  
Kim I, 771  
Kim J-H, 815, 2127  
Kim J-S, 133, 1823, 2119,  
2955  
Kim J, 1247  
Kim JB, 185  
Kim JG, 1993  
Kim JH, 829  
Kim JS, 413, 2179, 3171  
Kim JW, 2179  
Kim K-P, 829  
Kim K, 1247  
Kim KA, 3375  
Kim L, 929  
Kim M, 3375  
Kim MS, 2043  
Kim S-U, 133  
Kim S-W, 3619  
Kim SA, 2941  
Kim SJ, 2179  
Kim ST, 191, 649  
Kim Y-W, 2613  
Kim Y, 101, 125  
Kim YH, 897, 2955  
Kim YJ, 2763  
Kimoto T, 2769  
Kimura A, 3669  
Kimura H, 723  
Kimura K, 57  
Kimura R, 3205  
Kimura Sakiko, 1415  
Kimura Shinya, 1415  
Kimura Y, 461, 1901, 1931,  
3533  
Kincses A, 65  
Kinoshita K, 2067  
Kirkhus L, 3565  
Kirste S, 3473  
Kishi Y, 1941, 3705  
Kishiki T, 3655  
Kishino K, 1165, 1347, 2549,  
2561  
Kiss I, 2337, 3467  
Kitagawa H, 2851  
Kitajima T, 2653  
Kitamura F, 2845  
Kitani Y, 2653  
Kitayama K, 3589  
Kitazono S, 2995  
Kito S, 1009  
Kitsou C, 2269  
Kiuwe L, 1031  
Kjaer TW, 2705, 2727  
Klaschik S, 3361  
Klein CM, 3473  
Kletschkus K, 3103  
Kliment Sr. J, 1773  
Kluwe L, 2363  
Kmiecik A, 213, 1017  
Kobara H, 3195  
Kobata K, 1009, 1729  
Kobayashi K, 2647  
Kobayashi M, 57, 2851  
Kobayashi N, 2991  
Kobayashi S, 347  
Kobayashi T, 117, 615, 2595  
Kobierzycki C, 495, 3263  
Kodaira T, 2401  
Kodama T, 2001  
Koehne T, 1875  
Koga-Ogawa Y, 1009, 1729  
Koh H, 1077  
Koh HH, 2613  
Koh HM, 2209  
Koh Y, 771  
Kohlrusch FK, 1235, 1427,  
2325, 2527  
Kohls N, 3361  
Kohno S, 1201  
Koibuchi Y, 3483  
Koike I, 307  
Koike R, 587  
Koizumi A, 3291  
Koizumi M, 1503, 2371  
Koizumi T, 2037, 2309  
Kojima H, 3205  
Kojima K, 3655  
Kokabu S, 2345, 2437  
Kokkoris S, 3029  
Kolarova I, 3441  
Kolek V, 369  
Kolialexi A, 517, 2317  
Komiyama K, 1415  
Komiyama Y, 3233  
Komnos I, 2249  
Komohara Y, 2067  
Komori K, 857, 2697  
Kondo H, 807, 2981  
Kondo T, 1541, 2891, 2967  
Kondoh T, 95  
Konishi H, 3451  
Konishi T, 1289  
Konno R, 3669  
Konno S, 3495  
Kono H, 1265  
Kono T, 3195  
Könsgen D, 3361  
Kontomanolis E, 1445  
Kontzoglou K, 659, 1715  
Koo K-H, 3519  
Korenaga D, 583  
Korhonen M, 2577  
Korhonen NJ, 703  
Koriyama T, 2549, 2561  
Korou LM, 659  
Korzinskas T, 557, 985  
Kosaka T, 2933, 3115  
Koseler A, 361, 1645  
Koshi Y, 543  
Kostakis A, 1715  
Kostakis ID, 321, 2217  
Kostlivy T, 2029  
Kosuga T, 3451  
Kosumi K, 339  
Kotani A, 587  
Kotanidou A, 3029  
Kotsampasi B, 1811  
Koubkova L, 369  
Koukourakis MI, 3187  
Koumori K, 1533

- Kourakis G, 321  
Kourea H, 639  
Kouretas D, 1811  
Kouroupi M, 3187  
Koutsilieris M, 1779, 3069  
Kouvidi E, 1433  
Kouzu K, 1941, 3705  
Kovacs G, 1297  
Kramer B, 3285  
Kranert M, 889  
Kranz C, 1153  
Krcal J, 2029  
Krejci J, 369  
Krettek C, 1153, 2521  
Kriauciunas A, 1739  
Kriauciuniene L, 2443, 2499  
Krieg J, 1951  
Kripouri P, 2057  
Krischak MK, 3349  
Kroczek K, 1215  
Kroetz P, 2325  
Kruslin B, 1271  
Ku BM, 1399  
Kubo S, 3713  
Kubota A, 3205  
Kubota K, 1893  
Kubota T, 339, 869, 3451  
Kucera R, 2029  
Kudaka W, 2173, 2739  
Kuepker W, 1  
Kühn F, 1159  
Kulig B, 1765  
Kumagai Y, 903  
Kumamaru W, 601  
Kumar Velmurugan B, 1805  
Kumazaki Y, 2991, 3611  
Kummer M, 3639  
Kundt G, 1965  
Kunhorm P, 199  
Kunisaki C, 723, 2933, 3115  
Kunisaki R, 723  
Kuo C-C, 1759  
Kuo J-Y, 2469  
Kuo Y-C, 631  
Kuramitsu E, 583  
Kurashige J, 339  
Kurishima K, 2001, 2095  
Kuriu Y, 3451  
Kuriyama K, 881  
Kuriyama N, 3533  
Kurosaki T, 1921  
Kurozumi S, 917, 1365,  
2033, 2641  
Kurt Ö, 1645  
Kusano T, 2037, 2309  
Kuschyk J, 3601  
Kußmaul J, 1159  
Kusumoto H, 73  
Kuwabara K, 903  
Kuwata T, 3669  
Kwak H-H, 815  
Kwon H, 185  
Kwon J, 1823  
Kwon S-H, 771  
Kwon T, 133, 1077, 1085,  
1823  
Kyrgiou M, 1445  
Kyriakos G, 3109  
Kyriazoglou A, 2947  
Kyros E, 1499  
Lachatre D, 2873  
Lai C-K, 631  
Lai C-Y, 261  
Lai G-S, 799  
Lai J, 255  
Laici G, 2687  
Lamacchia F, 1685, 3431  
Lambrou G, 2317  
Lancellotta V, 381, 1297  
Lang S, 3639  
Langsenlehner T, 3631  
Larentzakis A, 2423  
Latteri M, 729  
Latteri S, 729  
Lazaros L, 2269  
Lazzarotto A, 441  
Lee CC, 757  
Lee D-S, 133, 143, 1077,  
1823  
Lee H-T, 1759  
Lee HS, 2119  
Lee IT, 2571  
Lee J-H, 2763  
Lee J-J, 2127  
Lee J-L, 829  
Lee J, 1823  
Lee JH, 1749, 2119  
Lee JJ, 1749  
Lee JS, 1749  
Lee K-W, 2119, 2955  
Lee M-I, 815  
Lee M-T, 2607  
Lee M, 2763  
Lee S-H, 1399  
Lee S-I, 3171  
Lee SH, 2179  
Lee SK, 413, 2941  
Lee Y-H, 3181, 3217  
Lee Y-J, 2407  
Lee Y-K, 3519  
Lee YJ, 2955  
Lee YK, 413  
Leethanakul C, 2389  
Legramante JM, 3033, 3735  
Lehrer S, 1629, 1633, 3023  
Leibowitz BJ, 39  
Lenkowicz J, 381  
Leobon S, 2873  
Leonardi L, 1333  
Lesauskaite V, 267  
Leucuta DC, 2811  
Li C-H, 1047, 3181  
Li H-T, 1047, 1117  
Li J-R, 799  
Li J, 1823  
Li P, 255  
Liakakos T, 2163  
Liakea A, 2423  
Liao C-H, 51, 1117  
Liao T-Y, 1515  
Liapis G, 2217  
Liaw C-C, 1515  
Liebe V, 889  
Lien J-C, 2469  
Lim H-R, 1395  
Lim H, 973, 979, 3153, 3225  
Lim HI, 2281, 3163  
Lim JU, 2179  
Lim K, 757  
Lim M-K, 2941  
Lim S-C, 1387, 2043, 2751  
Lim W, 185  
Lim Y-S, 1133  
Lin C-C, 1111  
Lin CC-W, 2607  
Lin H-Y, 1759  
Lin S-H, 1805, 2905  
Lin S-S, 2407, 3217  
Lin Y-C, 1047  
Lin Y-M, 1805, 2631, 2905  
Lin Y-S, 3407  
Lindner C, 2287, 3137  
Liontos M, 2947  
Liou W-S, 469  
Lippe P, 2687  
Lippolis PV, 2061  
Liska V, 2675, 2919  
Liu J, 133  
Liu K-H, 2803  
Liu L-C, 1111  
Liu R, 143, 1077  
Liu T-Y, 1111  
Liu W-S, 469  
Liu X, 1675  
Liu Y-C, 2407, 3217  
Liu Y, 1823  
Liutkeviciene R, 267, 1739,  
2443, 2499  
Liutkevicius V, 267, 1739  
Lo Casto A, 1283  
Löffler T, 3137  
Lotz L, 533  
Louden C, 1173  
Loufopoulos A, 1445  
Lu C-H, 631, 3407  
Lu H-F, 2461  
Lu H, 315  
Lu J-W, 2631, 2905  
Ludwig S, 923, 1371, 2015,  
2927, 3341  
Luukkaala TH, 703  
Lykoudi A, 2317  
Lykovardakis T, 2269  
Ma F, 361  
Ma S, 2259  
Maccaroni E, 2147  
Machado Filho CDS, 2107  
Machairas N, 2201  
Machida E, 3399  
Machida K, 2769  
Maebayashi T, 2721  
Maeda H, 2851, 3205  
Maeda K, 283  
Maeda M, 2851  
Maeda O, 3539  
Maeda S, 583

- Maemoto R, 3399  
Maezawa Y, 461, 849, 857, 2021, 2087, 2697, 2783, 2797  
Magama Z, 695  
Magira E, 3029  
Mahaira L, 2947  
Mahate Z, 3503  
Majewski M, 291  
Makarova A, 1651  
Maki H, 3367  
Makino I, 1037  
Makino K, 543  
Makri S, 1811  
Makris K, 2973  
Malhotra A, 233  
Malicka I, 495  
Mallmann P, 923, 1207, 1371, 2015, 2917, 3341  
Malter W, 1207, 2015  
Mammadov R, 2453  
Manai Maroua, 177  
Manai Mohamed, 177  
Mancuso G, 2009  
Manfredi B, 3731  
Mannweiler S, 3631  
Mano MP, 909  
Mano Y, 1987  
Manola I, 1271  
Manola KN, 1433  
Mantas D, 321  
Mantini G, 1297  
Manzella L, 511, 1481  
Marchioni M, 1223  
Marcu D, 2225  
Mariya Y, 3013  
Markoula S, 2269  
Márovics G, 3467  
Marszalek A, 1355  
Martelli M, 1407  
Martini S, 1333  
Marukawa E, 1053  
Maruyama I, 1871  
Maruyama M, 1915  
Maruyama R, 2891  
Maruyama S, 1265  
Maruyama T, 117, 615, 1915  
Masai N, 1503  
Masaki T, 3195, 3655  
Masi G, 2061  
Massaro M, 1407  
Massimino M, 511  
Mastora E, 2269  
Mastoraki A, 3573  
Masubuchi T, 2653  
Masuda M, 347, 461, 849, 857, 1469, 1533, 2021, 2079, 2087, 2687, 2783, 2797, 2933, 3661  
Masuda Y, 1071  
Masui K, 2769  
Masuzaki R, 3301  
Mataic A, 1271  
Materazzo M, 1125, 1651, 1661, 1685, 3033, 3047, 3431, 3735  
Mathe D, 2337  
Matsubara H, 1915  
Matsubara N, 57  
Matsubara T, 2345  
Matsuda A, 2667  
Matsuda I, 57  
Matsuda K, 2037, 2309  
Matsui K, 2587, 3387  
Matsui T, 3195  
Matsuki T, 2967  
Matsumoto K-I, 2437  
Matsumoto N, 3301, 3539  
Matsumoto S, 2667  
Matsumoto T, 339  
Matsumoto Y, 2865  
Matsumura K, 2845  
Matsumura T, 307, 1187, 2837  
Matsu Y, 897  
Matsuoka H, 3655  
Matsushita R, 3459  
Matsushita Y, 1001  
Matsuura H, 1341, 3551, 3555  
Matsuyama R, 1255  
Matsuyama T, 3583  
Matthies C, 163  
Mattioni R, 3731  
Matusiak Ł, 2733  
Mautner V, 1031  
Mavrelid, 517, 2317  
Mavrou A, 1433  
Mayer A, 2711  
Mazzola L, 1223  
Mazzotta E, 3421  
McCarthy K, 2193  
McElroy LM, 3349  
Medinger M, 3545  
Mekaru K, 2173, 2739  
Meklin J, 3327, 3687  
Melichar B, 3441  
Melinte A, 935, 2135, 3527  
Meneguzzo A, 441  
Meng K, 757  
Merino-Alonso JF, 2419  
Messineo D, 2485  
Messiou C, 239  
Meucci R, 1125, 1685  
Miah A, 239  
Michail G, 1445  
Michali D, 2947  
Michell M, 233  
Mickevicius T, 2499  
Miguchi M, 3413  
Miho Y, 3669  
Miller RJD, 2325  
Mima K, 339  
Min J-J, 2127  
Minagawa Y, 2587, 3387  
Minato K, 1289  
Mincuzzi E, 1981  
Mirandola A, 1547  
Mircea PA, 745  
Mirka H, 2029  
Misaka K, 3459  
Mischanu D, 2225  
Misumi T, 2587, 3115  
Mitamura M, 2159, 3649  
Mitani H, 2859  
Mitani S, 1921  
Mitrakos A, 1433  
Mitsuyama M, 845  
Miura K, 2653, 2967  
Miura M, 3291  
Miura N, 1871, 3589  
Miura S, 2037  
Miura T, 1325  
Miura Y, 877  
Miwa N, 1637  
Miyabe S, 2353  
Miyagawa T, 1289  
Miyagi E, 307  
Miyagi Y, 461  
Miyai H, 117, 615  
Miyake H, 1001, 3367  
Miyake K, 1027, 3225  
Miyakoshi N, 1975, 2745  
Miyakura Y, 3399  
Miyamoto H, 2933  
Miyamoto M, 1341  
Miyanari N, 339  
Miyashita K, 3205  
Miyashita T, 1037  
Miyata R, 3747  
Miyatani K, 1187, 2837  
Miyauchi H, 1915  
Miyawaki A, 2345  
Miyazaki K, 1439, 1459, 2001  
Miyazaki M, 331, 2371  
Mizowaki T, 897  
Mizumoto T, 339  
Mizuno H, 1503  
Mizushima E, 1975, 2745  
Mo A, 1681  
Mocan O, 2811  
Mochiki E, 903  
Mockute R, 2443  
Mokbel K, 233  
Mokhtar MH, 225, 1863  
Molina R, 715  
Mollica V, 1701, 3421  
Molnár J, 65  
Molnar R, 2337  
Montesinos J, 715  
Montrone S, 3731  
Monzen H, 1095  
Moon B-I, 185  
Moon J-H, 2127  
Moraes DE, 3093  
Morando L, 1125, 1685  
Moreira-Nunes CA, 3093  
Morfias KS, 2101  
Morgenstern B, 3341  
Mori M, 583, 3533  
Mori R, 1255  
Mori S, 1893  
Mori Y, 601  
Morikawa H, 2623  
Morikawa K, 2345  
Morimoto M, 347, 1187

- Morimura R, 3451  
Morinaga S, 347, 461, 1469,  
1533  
Morioka D, 1255  
Moris D, 1695, 3127, 3349  
Morishita A, 3195  
Morita M, 117, 615, 1987  
Morita S, 1377  
Morito A, 339  
Moritz J, 3631  
Moriwaki E-I, 687, 1165, 1347  
Moriyama M, 3301, 3309  
Morselli M, 361  
Mortellaro G, 1283  
Moschos MM, 1619  
Mostratos D, 1835  
Motohara T, 2067  
Motomura T, 3551  
Motoyama D, 1001  
Motoyoshi S, 583  
Mourani-Padron I, 2419  
Mouri A, 877  
Moustogianni A, 1779  
Mpaili E, 1499, 2163  
Mrad K, 177  
Mroczkowska B, 1765  
Mueller CE, 3285  
Mukai Y, 307, 3387  
Munekage M, 2851  
Murahashi Y, 1975, 2745  
Murakami M, 489, 973, 979,  
2037, 2277, 2309  
Murakami Y, 81  
Murakawa M, 347, 849, 857,  
1469, 2021, 2087, 2697,  
2783  
Muramathu Y, 3271  
Murata T, 3241  
Murayama Y, 3451  
Murelli F, 355, 1667  
Murono K, 3367, 3559  
Murray S, 453  
Musak L, 1773  
Musco B, 2061  
Mushiake H, 3661  
Mustea A, 3103, 3361  
Mustonen P, 2577  
Mutoh M, 3205  
Na K, 3619  
Nada OA, 2363  
Nagahara H, 283  
Nagahisa S, 1901, 1931  
Nagai H, 897  
Nagamatsu S, 583  
Nagao T, 2353  
Nagasato T, 1871  
Nagasawa H, 1975, 2745  
Nagasawa S, 2769  
Nagasawa Y, 1729  
Nagashima A, 247  
Nagashima F, 2595  
Nagashima H, 869  
Nagata H, 1941, 3387  
Nagata S, 583  
Nagawa D, 3589  
Nagler R, 549  
Najman S, 985, 2287  
Nakachi Y, 57  
Nakagawa K, 1921  
Nakahara H, 3413  
Nakahara M, 3195  
Nakahara R, 331  
Nakajima H, 1729  
Nakajima J, 3367  
Nakajima S, 3291  
Nakajima Y, 2037  
Nakamatsu K, 1095  
Nakamoto S, 1377, 3713  
Nakamoto T, 2173, 2739  
Nakamura H, 2001, 2095, 2297  
Nakamura M, 1883  
Nakamura S, 3247  
Nakamura T, 1415  
Nakamura Y, 825, 1289  
Nakanishi M, 3451  
Nakanishi R, 3533  
Nakano K, 709, 2859  
Nakano T, 2897  
Nakanoko T, 1987  
Nakanuma S, 1037  
Nakao Y, 2845  
Nakashima C, 1415  
Nakashima T, 247  
Nakashima Y, 1987, 3533  
Nakashiro K-I, 3233  
Nakasone T, 2173, 2739  
Nakata M, 3589  
Nakatani S, 1009, 1729  
Nakaya G, 1009, 1729  
Nakayama G, 3539  
Nakazawa K, 1883  
Nakazawa N, 881  
Nakazawa Y, 917, 1365,  
2033, 2641, 3483  
Nakura M, 1037  
Nam SJ, 2281, 3163  
Namikawa T, 2851  
Namima D, 3195  
Nara T, 3291  
Nardella M, 683  
Narimatsu E, 3747  
Narisawa Y, 1415  
Narita S, 3291  
Naruge D, 2595  
Narui R, 2623  
Naruse I, 1511  
Nasioutziki M, 1445  
Nastev A, 3285  
Nastos K, 2233  
Nawa A, 109  
Nazco- Casariego GJ, 2419  
Neacsu A, 1527, 2073, 2141,  
2757, 2913  
Nemeth B, 2337, 3467  
Nepka C, 1811  
Neri A-A, 953  
Nestola M, 683  
Neumann E, 2927  
Ng T-Y, 2571  
Nguyen T, 1317, 1321, 1361,  
1421, 1909  
Nicolaides M, 1063  
Nicolay NH, 3473  
Nieder C, 675, 735  
Niihara T, 73  
Niijima D, 2821  
Niimi K, 109  
Nikander R, 667  
Nikiteas N, 11, 659  
Nikiteas NI, 23, 965  
Nikolettos K, 1715  
Nikolettos N, 1715  
Ninomiya H, 2995  
Ninomiya M, 3551  
Nishi M, 863  
Nishiguchi S, 687, 1165,  
1347, 2297, 2549, 2561  
Nishihara M, 3489  
Nishihira K, 2173, 2739  
Nishii T, 283  
Nishikawa H, 57, 687, 739,  
1165, 1347, 2297, 2549,  
2561  
Nishimaki H, 2721  
Nishimoto K, 1475  
Nishimura S, 1901, 1931  
Nishimura T, 687, 897, 1165,  
1347, 2297, 2549, 2561,  
2769  
Nishimura Y, 1095  
Nishino H, 489, 973, 979,  
2277, 2303, 3153, 3159,  
3163, 3225  
Nishino K, 109  
Nishio M, 2995  
Nishioka Y, 1325  
Nishisaka T, 3413  
Nishizaki F, 3589  
Nishizawa M, 709  
Nobesawa T, 1009, 1729  
Noda S-E, 2991, 3611  
Nodomi K, 587  
Nogaki K, 2037  
Nogami S, 95  
Noh OK, 929  
Nohara K, 845  
Noisa P, 199  
Nomoto S, 2353  
Nomura S, 1941, 3705  
Nonagase Y, 1921  
Nonni A, 1715  
Nonoshita T, 247  
Notsu A, 275  
Nové M, 65  
Nowak M, 213, 1017, 3255  
Nowinska K, 3263  
Nozaka M, 3589  
Nozawa H, 3367, 3559  
Ntaskagiannis D, 453  
Ntella V, 3573  
Ntokos G, 23  
Numakura K, 3291  
Numata M, 849, 857, 1469,  
2021, 2079, 2087, 2697,  
2783, 2797, 3661  
Numata T, 2001, 2095

- Nunes C, 2711  
Obara N, 807, 2981  
Obata K, 3747  
Obayashi S, 917, 1365, 2033, 2641  
Ober MC, 745  
Ochsner PE, 291  
Oda E, 2067  
Odajima S, 1277  
Odejimmi F, 695, 1063  
Odrazka K, 3441  
Oergel M, 1153  
Oerther B, 3473  
Ogata K, 881  
Ogata T, 461, 1533  
Ogata Y, 587  
Ogawa C, 2821  
Ogawa K, 1289  
Ogawa M, 1201  
Ogino M, 3483  
Ognibene L, 1283  
Ogo T, 1325  
Oh-Iwa I, 2353  
Ohara G, 389, 1459  
Ohashi Y, 2821  
Ohbatake Y, 1037  
Ohira G, 1915  
Ohira M, 283  
Ohira S, 331, 2371  
Ohmoto A, 709, 2859  
Ohnishi K, 1883  
Ohno Y, 3271  
Ohsawa M, 2169  
Ohta R, 2667  
Ohta T, 1037  
Ohtani S, 1377  
Ohyama Y, 601  
Okabe T, 1475  
Okada K, 1915, 1975, 2745  
Okada M, 2169, 2721  
Okada T, 2967  
Okada W, 331  
Okamoto A, 1277  
Okamoto H, 2079, 3301  
Okamoto I, 2891, 2967  
Okamoto K, 3451  
Okamura M, 3195  
Okano N, 2595  
Okauchi S, 389, 1439, 1459, 2001, 2095  
Okazaki M, 1037  
Okazaki Y, 57  
Oki E, 3533  
Okimoto T, 2883  
Okumi M, 1541  
Okumura T, 1883  
Olaso DG, 3349  
Oldani C, 3047  
Olinic DM, 745  
Olinic M, 745  
Oliveira PA, 1797  
Omar M, 1153, 2521  
Omar-Pacha T, 2521  
Omura G, 2967  
Omura M, 2587, 3387  
Onatsu J, 2577, 2829  
Ono K, 2437  
Ono M, 709, 2859  
Onodeara A, 2079  
Onuma K, 3387  
Ooi KH, 757  
Ooyama T, 2173, 2739  
Oranges CM, 291, 2543  
Ordeig J, 715  
Orgel M, 2521  
Orita H, 583  
Orlowski P, 533  
Orsaria P, 1125, 1685  
Orsino L, 1667  
Orug T, 155  
Oshima M, 1289  
Oshima T, 461, 849, 857, 1533, 2021, 2079, 2087, 2697, 2783  
Oshiro H, 1027  
Ota K, 2095  
Ota M, 1987  
Otake J, 849  
Otani H, 283  
Otsuji E, 3451  
Otsuka A, 1001  
Ou H-C, 3407  
Ou Y-C, 799, 3407  
Oue N, 461, 3583  
Oyama M, 1475  
Oyama T, 2641, 3483  
Ozaki T, 1921  
Ozasa H, 897  
Ozawa Y, 2783  
Ozbek U, 2507  
Ozdogan S, 2453  
Pacha TO, 1153  
Pacoli K, 2775  
Paeng JC, 2763  
Paganelli C, 3033  
Pagliara MM, 381  
Pahmeyer C, 923, 2015  
Paiar F, 3731  
Paik SS, 101  
Palloni A, 479, 1701, 3421  
Palombi L, 3033, 3047  
Palve JS, 703  
Panousopoulos S-G, 2423  
Pantalos G, 11  
Pantazis N, 3039  
Pantou A, 1433  
Panzica M, 1153  
Papadakis G, 2973  
Papadopoulou A-M, 3127  
Papadopoulou K, 2475  
Papaevangelou V, 3039  
Papagrigoriadis S, 503  
Papaioannou G, 1835, 2317  
Papakosta A, 2947  
Papalampros A, 1499  
Papalois A, 503, 1063  
Papalois AE, 2423, 2475  
Papalois V, 503  
Papanikolaou A, 1445  
Papantoniou N, 517, 2317  
Papapostolou KD, 2101  
Paparoidamis G, 1063  
Papavassiliu T, 889  
Papi P, 623  
Papoudou-Bai A, 639, 2269  
Papoutsi E, 3573  
Papoutsos C, 1063  
Paraskevaidi M, 1445  
Paraskevaidis E, 1445  
Park C-K, 1463  
Park CK, 2179, 2613  
Park H-R, 1845  
Park HS, 1749  
Park J-W, 3519  
Park JE, 929  
Park JH, 1133  
Park JS, 1993  
Park K-H, 1893  
Park K-S, 1395  
Park K, 1399  
Park KJ, 1749  
Park M-H, 1857  
Park S-W, 1133  
Park S, 101, 125  
Park SR, 829  
Park SY, 1993  
Park T-I, 3005  
Park YH, 1085, 1823  
Paschoal FM, 2107  
Paschopoulos M, 1445  
Paslawska U, 495  
Pasqualetti F, 3731  
Pasqualetto M, 3735  
Pasquero G, 909  
Passweg JR, 3545  
Pastuszewski W, 3263  
Pateras I, 2217  
Patereli A, 2947  
Patsouras A, 1715, 3109  
Patsouras D, 11  
Paulino-Gonzalez AD, 1729  
Pavlou P, 1835  
Pawinski AR, 675  
Pellegrini M, 361  
Pelliccia S, 1407  
Pellicciaro M, 1125, 1651, 1661, 1685, 3033, 3047, 3431, 3735  
Peloso A, 1547  
Peng N-J, 469  
Peng S-F, 2461, 2469  
Pennisi M, 393  
Pennisi MS, 511, 1481  
Penttinen H, 667  
Peoc'h M, 2249  
Pepe L, 393  
Pepe P, 389  
Peponi E, 453  
Peppa M, 2233  
Peraki A, 1835  
Pérez R, 715  
Pergialiotis V, 659  
Pergolizzi S, 2009  
Perrea DN, 659  
Perretta T, 1125, 1685, 3431

- Perrotti F, 1223  
Perry KI, 2517  
Perry N, 233  
Peschos D, 639  
Pesek M, 369  
Pestre J, 2873, 3441  
Petrakova K, 3441  
Petrakova T, 2675, 2919  
Petreanu C, 935  
Petrucci R, 1547  
Pezelj I, 1271  
Philip L, 3597  
Philippou A, 1779  
Piazza D, 2009  
Piccione E, 1661, 3047  
Pichler M, 3631  
Pierides M, 503  
Pikoulis E, 2233  
Piotrowska A, 213, 495,  
1017, 3255, 3263  
Piras A, 1297  
Pires I, 3279  
Pires MJ, 1797  
Pissarek J, 985, 2287  
Pistolese CA, 1125, 1651,  
1685, 3047, 3431  
Pittaras T, 1063, 2475  
Pitto F, 355  
Pizzicannella G, 1223  
Pizzichini P, 1407  
Ploussi A, 3039  
Podhorska-Okolów M, 213,  
495, 1017, 3255, 3263  
Polak R, 2675  
Polimeni A, 623, 1613  
Polistena A, 2485  
Pollard BS, 3723  
Pollard JR, 3723  
Poluzzi E, 1333  
Polychronopoulou S, 2947  
Ponti A, 909  
Pontoriero A, 2009  
Pop C, 1487, 1527  
Popescu I, 401, 787  
Popescu R, 3315  
Popovici RM, 1951  
Porreca A, 1981  
Portarena I, 1125, 1685  
Posea R, 935
- Pournaras SA, 3039  
Prada J, 3279  
Pranno N, 623  
Pratikaki M, 3029  
Preda L, 1547  
Presicce M, 3735  
Pretscher J, 1195  
Prochazkova K, 2675, 2919  
Procopciuc LM, 2811  
Prodromidou A, 2201  
Pröhl A, 2287, 3137  
Promjantuek W, 199  
Prosperi D, 1407  
Psarrakis C, 3039  
Pugliese L, 3735  
Pulkki K, 2577  
Puma A, 511, 1481  
Pummer K, 3631  
Puranen M, 2829  
Qiu J, 1675  
Quade M, 2325  
Queiroga FL, 3279  
Quiles-Sánchez LV, 3109  
Radenkovic M, 2287  
Rades D, 679, 767, 1317,  
1321, 1361, 1421, 1909,  
2705, 2727, 3627, 3719  
Radosa JC, 923  
Radosevich JA, 169  
Radtke A, 163  
Raducu L, 3681  
Radulescu D, 2811  
Raffel N, 533  
Raftopoulou S, 1811  
Raica M, 3315  
Rallis M, 1835  
Ramos-Diaz R, 2419  
Ratajczak-Wielgomas K,  
213, 1017, 3255  
Rathmann N, 433  
Ratiu D, 923, 2015, 3341  
Ratiu J, 3341  
Ravindra K, 3349  
Rebonato A, 683  
Redloch K, 1215  
Ren C-X, 1823  
Rheinstein PH, 1629, 1633,  
3023  
Rho M, 1651
- Ricci AD, 479, 1701, 3421  
Ricci F, 3735  
Ricci S, 2061  
Rider P, 557  
Riha I, 2675  
Rikitake Y, 3489  
Rikiyama T, 3399  
Rino Y, 347, 461, 849, 857,  
1469, 1533, 2021, 2079,  
2087, 2697, 2783, 2797,  
2933, 3661  
Riva G, 1547  
Rizza S, 3735  
Rizzo A, 479, 1701, 3421  
Rocchi MBL, 2687  
Rodolakis A, 2201  
Rodrigues P, 3279  
Röger S, 3601  
Roh J-Y, 413  
Roine E, 667  
Rojasawasthien T, 2345  
Romanescu D, 2791  
Romano C, 511, 1481  
Romanowicz H, 943, 1765  
Romejko-Wolniewicz E,  
1307  
Romeo MA, 511  
Rommel B, 1  
Ronchi S, 1547  
Rosa C, 1223, 1981  
Rose PS, 2517  
Rosel D, 3027  
Rosendorf J, 2675  
Rosenkaimer SL, 3601  
Rossi D, 2687  
Rostoft S, 3565  
Rouabhi S, 695  
Routsi C, 3029  
Rubio CA, 2693  
Ruiz D, 715  
Rujanapun N, 199  
Rus V, 569  
Rygał A, 2733  
Ryoo B-Y, 829  
Ryska A, 3441  
Ryuman D, 3171  
Ryuno Y, 2991  
Saarto T, 667  
Saban Y, 2659
- Sabirli R, 1645  
Sadanaga N, 3551  
Saeki H, 881, 2079, 2797  
Sai Y, 3459  
Sainis I, 453  
Saito H, 299, 881, 3013  
Saito K, 1289, 2001, 2037,  
2095  
Saito M, 687, 1277, 3291  
Saito R, 1265  
Saito S, 2991  
Saito T, 3583  
Saito Y, 2897  
Sakagami H, 1009, 1071,  
1637, 1729  
Sakaguchi T, 3649  
Sakai M, 881  
Sakai T, 845  
Sakai Y, 2549, 2561  
Sakaki M, 2037  
Sakaloglou P, 2269  
Sakamaki K, 461  
Sakamori Y, 897  
Sakamoto H, 2995  
Sakamoto T, 299, 1187,  
1341, 2837  
Sakata K-I, 2865  
Sakellariou M, 2233  
Sakio R, 3399  
Sakurai H, 1883, 2883  
Sakuraoka Y, 1893  
Sala M, 715  
Saldi S, 1297  
Salleh N, 225  
Sammarco MG, 381  
Sanjo N, 869  
Sano A, 881  
Sant F, 715  
Santarpia M, 2009  
Santori F, 1651, 1685, 3033  
Saraceno F, 3033  
Sárб S, 3315  
Sarti D, 683, 2687  
Sasa A, 3013  
Sasada T, 849  
Sasaki K, 2401, 3559  
Sasaki N, 3495  
Sasaki R, 3301  
Sasatani Y, 389, 1439, 1459

- Sato A, 2587, 3387  
 Sato D, 869  
 Sato H, 2647, 2891, 2967  
 Sato K, 2933  
 Sato N, 2067  
 Sato S, 849, 869, 2001, 2933, 3115  
 Sato T, 3115  
 Sato Y, 709, 1883, 2859, 2883  
 Satoh H, 389, 1439, 1459, 2001, 2095  
 Satoh K, 3271  
 Satoh S, 3291  
 Saugusa Y, 2079  
 Savu C, 935, 2135, 2187, 2757, 2913, 3527, 3681  
 Savvanis S, 3109  
 Sawabata N, 739, 779, 2897  
 Sawatani Y, 3233  
 Sbordone FP, 3735  
 Schabrack A, 2015  
 Schaefer DJ, 291, 2543  
 Scheef BO, 1965  
 Schell A, 3285  
 Schild SE, 679, 767, 1317, 1321, 1361, 1421, 1909, 2705, 2727, 3627, 3719  
 Schizas D, 1695, 1715, 2233, 3573  
 Schlüter H, 2325  
 Schmidt PT, 2693  
 Schneeweiss V, 3057  
 Schnettler R, 557  
 Schwabegger A, 3057  
 Schweizerhof O, 1159  
 Sebek J, 2675  
 Segami K, 2783  
 Seixas F, 1797  
 Sekiguchi K, 2667  
 Sekine I, 1883  
 Sener A, 2775  
 Seo KS, 771  
 Seo S, 829  
 Serra C, 3421  
 Serri M, 2147  
 Servadei F, 3431  
 Sfiniadakis I, 2475  
 Shaker H, 3503  
 Shang H-S, 2461  
 Sharma A, 3675  
 Shaw BI, 3349  
 Shchetynska-Marinova T, 889  
 Sheen D-H, 2941  
 Shen G-N, 1823  
 Shen T-C, 1047, 1117, 1759, 3181  
 Shen Y-C, 3181  
 Sheng S-Y, 2469  
 Shibata H, 2037, 2309  
 Shibata K, 109  
 Shibutani M, 283  
 Shields D, 33, 39  
 Shih L-C, 261, 1759, 2571  
 Shih Y-L, 2461  
 Shikibu S, 2647  
 Shim HS, 3375  
 Shim JH, 1399  
 Shim SJ, 1247  
 Shimada M, 863  
 Shimada T, 3459  
 Shimada Y, 1975, 2745  
 Shimaoka S, 73  
 Shimazawa M, 3247  
 Shimizu D, 2353, 2769  
 Shimizu H, 1265, 2401  
 Shimizu J, 1975, 2745  
 Shimizu K, 2001, 2095  
 Shimizu S, 2883  
 Shimizu T, 1893  
 Shimoda Y, 1533  
 Shimohigashi Y, 3583  
 Shimoji Y, 2173, 2739  
 Shimokata T, 3539  
 Shimono Y, 1165, 1347, 2549, 2561  
 Shimoya K, 3241  
 Shimozato K, 2353  
 Shimozuma Y, 2037  
 Shimura M, 3233  
 Shin D, 771  
 Shin H-K, 191  
 Shin H-S, 815  
 Shin S-H, 1463  
 Shin S-J, 101, 125  
 Shin Y, 1987  
 Shinji S, 2667  
 Shinomiya S, 1511  
 Shinozaki K, 3413  
 Shinozuka E, 2667  
 Shintani D, 1451  
 Shinto E, 1941  
 Shiono A, 877  
 Shioyama Y, 247  
 Shiozaki A, 3451  
 Shiozawa M, 461, 849, 1533, 2079  
 Shiozawa T, 1439, 1459, 1883, 2001, 2095  
 Shirabe K, 881, 917, 1365, 2033, 2641, 3483  
 Shirai K, 1289  
 Shiraishi S, 3583  
 Shiraki T, 1893  
 Shirata R, 2587, 3387  
 Shirley MB, 2517  
 Shirotake S, 1475  
 Shiroto A, 1009, 1729  
 Shitara A, 3271  
 Shoda K, 3451  
 Shojo Y, 2437  
 Sideris M, 503, 695, 1063, 1603, 2475  
 Sidiropoulos D, 2057  
 Siewierska K, 495  
 Sigl M, 433  
 Silva F, 3279  
 Silva J, 1797  
 Sim J, 101, 125  
 Simon CEE, 1159  
 Sindici G, 1223  
 Singh SR, 1027  
 Sinohara T, 3649  
 Sintonen H, 667  
 Sioulas A, 3573  
 Sipsas N, 1567  
 Siriratsivawong K, 2309  
 Sirmilantze T, 3039  
 Sitar-Taut A-V, 569  
 Skala M, 2675  
 Skalicky T, 2675  
 Skalova A, 2029  
 Skerenova M, 1773  
 Skoura E, 2947  
 Skrapari I, 3127  
 Skrickova J, 369  
 Slaaen M, 3565  
 Slouka D, 2029  
 Smalinskiene A, 1739  
 Smeets R, 557, 985, 1031, 2363  
 Smetana Jr K, 1589, 3027  
 Smolarz B, 943, 1765  
 Søballe K, 527  
 Sogawa R, 1415  
 Sogudelen E, 2775  
 Sohda M, 881  
 Sohn SK, 2127  
 Soja M, 1765  
 Someya M, 2865  
 Sommer JU, 3285  
 Son KM, 191  
 Song A-J, 1103  
 Song C, 2119, 2955  
 Song G-Y, 2127  
 Song J, 57  
 Song KS, 3171  
 Sonoda H, 2667, 3559  
 Soon YY, 757  
 Sopracordevole F, 2147  
 Soraksa N, 199  
 Sort P, 715  
 Sotiropoulos MG, 1603  
 Soyama H, 1341  
 Sparavigna M, 1667  
 Spartalis E, 11, 23, 965  
 Spengler G, 65  
 Speth U, 2527  
 Spinu M, 745  
 Spiritigliozi L, 3735  
 Spohn S, 3473  
 Sprave T, 3473  
 Staackmann C, 1297  
 Stachowiak G, 943  
 Stagno F, 1481  
 Stanescu I, 569  
 Staub Y, 3459  
 Stefanaki K, 2947  
 Stefaniak AA, 2733  
 Stefanidis K, 659  
 Stelianidi A, 3109  
 Stella S, 511  
 Stergiros K, 659  
 Stergiou G, 2659  
 Stiru O, 3681

- Stojanovic S, 985, 2287  
 Stope MB, 3103, 3361  
 Streeper RT, 1173  
 Strong SM, 695  
 Stuck BA, 3285  
 Stumpfe F, 1195  
 Styczyński J, 1215, 1355  
 Su C-M, 631  
 Subramanian CR, 3597  
 Sudo M, 1265  
 Suematsu H, 2933  
 Sueoka M, 331  
 Sueoka-Aragane N, 1415  
 Suga Y, 3459  
 Sugano N, 849  
 Suganuma H, 3013  
 Sugasawa H, 1941, 3705  
 Sugezawa K, 299  
 Sugihara T, 3705  
 Sugimachi K, 1987  
 Sugimoto H, 1325  
 Sugisawa N, 489, 973, 979,  
     1027, 2277, 3153, 3159,  
     3163, 3225  
 Sugiura I, 2037  
 Sugiura M, 307  
 Sugiura Y, 117  
 Sugiyama E, 2647  
 Sugiyama G, 601  
 Sugiyama M, 1987  
 Sugiyama T, 1001  
 Sugiyama Y, 2769  
 Suh KS, 3171  
 Suimon Y, 2159, 3649  
 Suksumek N, 1493  
 Suleyman H, 2453  
 Sümege A, 3467  
 Sun H-N, 133, 143, 1077,  
     1085, 1823  
 Sun J-M, 1399  
 Sun R, 1789  
 Sun Y, 973, 979, 3153, 3163,  
     3225  
 Sunami E, 3655  
 Sung J-Y, 3619  
 Sung K, 413  
 Surace A, 909  
 Surachaidungtavil S, 1493  
 Suwa Y, 1255
- Suzuki A, 601  
 Suzuki G, 2769  
 Suzuki H, 331, 2667  
 Suzuki K, 2401, 2647, 3399  
 Suzuki M, 1289  
 Suzuki R, 1341  
 Suzuki S, 81, 109, 3013  
 Suzuki T, 3705  
 Suzuki Y, 3649  
 Svejdova A, 2675  
 Swartman B, 1555  
 Świderska-Kiec J, 1307  
 Syllaios A, 1499, 1715, 2163  
 Syrjanen K, 3327, 3687  
 Szabo L, 2337  
 Szaflik T, 1765  
 Szepietowski JC, 2733  
 Szylberg L, 1355  
 Szyllo K, 943, 1765  
 Söder S, 533  
 Tachibana H, 1541, 2401  
 Tachimori A, 283  
 Tada Y, 299, 2653  
 Tafuri A, 1407  
 Tagliaferri L, 381, 1297  
 Tago K, 1893  
 Taguri M, 1255  
 Tai C-J, 261, 2571  
 Taina M, 2577, 2829  
 Taira T, 3559  
 Taira Y, 2173, 2739  
 Tajima H, 1037  
 Tajima M, 2647  
 Takada S, 1037  
 Takagi T, 1541  
 Takahama T, 1921  
 Takahashi H, 3301  
 Takahashi J, 3399  
 Takahashi K, 95  
 Takahashi S, 709, 1289, 2859  
 Takahashi Y, 979, 1289  
 Takamura H, 1037  
 Takano H, 1277  
 Takano K, 3747  
 Takano M, 1341  
 Takano S, 307, 1187  
 Takao K, 3451  
 Takashima T, 2549, 2561  
 Takasu C, 863
- Takata R, 2549, 2561  
 Takayama K, 3291  
 Takayashiki N, 1439  
 Takeda K, 3115  
 Takegawa H, 2371  
 Takei M, 587  
 Takeichi O, 587  
 Takemura J, 2897  
 Takeshima H, 1009  
 Takeuchi I, 543  
 Takeuchi K, 1415  
 Takir S, 2507  
 Talluri S, 3597  
 Tamagawa A, 857, 2021,  
     2087, 2783  
 Tamagawa H, 347, 461, 849,  
     857, 1469, 2021, 2079,  
     2087, 2697, 2783, 2797,  
     3661  
 Tamaki T, 3611  
 Tamauchi S, 109  
 Tambè L, 1481  
 Tamburrano T, 2687  
 Tamura A, 3309  
 Tamura K, 1001  
 Tamura M, 1095  
 Tamura N, 1009  
 Tamura T, 1921, 2001, 2095  
 Tan Y, 489, 973, 979, 2281,  
     3163  
 Tan Z-L, 2407  
 Tanabe H, 1277  
 Tanabe K, 1541  
 Tanaka J, 2653  
 Tanaka M, 3247  
 Tanaka N, 845, 2653  
 Tanaka T, 3205  
 Tanaka Y, 1503, 2933  
 Tanakaya K, 1901, 1931  
 Tanese K, 825  
 Tang Y, 255  
 Tani K, 2821  
 Taniguchi F, 1901, 1931  
 Taniguchi S, 739, 779, 2897  
 Tanimoto A, 1871  
 Tanino H, 3241  
 Tanio A, 299  
 Tanioka N, 2851  
 Tanooka M, 331
- Taraborrelli M, 1223  
 Tashiro K, 73  
 Tashiro Y, 489, 973, 979,  
     2037, 2277, 2309, 3153,  
     3159, 3163, 3225  
 Taso O, 1779  
 Tavolari S, 479, 1701, 3421  
 Tayeh S, 233  
 Tazzioli G, 1685  
 Temperikidis P, 3029  
 Tent PA, 2049  
 Terarova P, 3441  
 Terasaki M, 3205  
 Ternák G, 3467  
 Terzian LR, 2107  
 Teshima T, 331, 2371  
 Tey J, 757  
 Thammanichanon P, 2389  
 Thangarajah F, 923, 2015,  
     3341  
 Theodoropoulos C, 2423  
 Theodorou E, 1063  
 Theodoulou I, 1063  
 Thermozier S, 33  
 Thillemann TM, 527  
 Thomakos N, 2201  
 Thomassen MB, 527  
 Thway K, 239  
 Tichelli A, 3545  
 Tirò E, 511, 1481  
 Tischer H, 533  
 Tober N, 3421  
 Tochigi T, 1915  
 Toda K, 2859  
 Toh Y, 1987  
 Tokuda S, 917, 1365, 2033,  
     2641  
 Tokunaga T, 863  
 Tokuyasu N, 1187, 2837  
 Tomarchio C, 1481  
 Tombolini V, 623  
 Tomé WA, 1681  
 Tomesz A, 2337  
 Tomii K, 897  
 Tominaga K, 2345  
 Tomioka K, 2037, 2309  
 Tomita H, 3589  
 Tomita N, 57  
 Tomofuji T, 117, 615

- Tomomatsu J, 709, 2859  
 Tomomura M, 1009  
 Tonari A, 3655  
 Tone S, 1009  
 Toni ML, 1667  
 Tonogi M, 587  
 Topolcan O, 2029  
 Toritani K, 723  
 Toshiki N, 3495  
 Tota D, 909  
 Tøttrup M, 527  
 Touanta G, 1433  
 Tourkantoni N, 2947  
 Tournis S, 2973  
 Toutouzas KG, 2423  
 Toya R, 3583  
 Toyoda H, 2381  
 Toyota S, 583  
 Tozuka T, 2995  
 Trantza S, 1567  
 Trapé J, 715  
 Trapé-Ubeda J, 715  
 Tremp M, 291, 2543, 2659  
 Treska V, 2675, 2919  
 Tsai C-W, 51, 1047, 1111,  
     1117, 1759, 3181  
 Tsai C-Y, 2803  
 Tsai C, 1789  
 Tsai M-H, 261  
 Tsai T, 2571  
 Tsang N-M, 2803  
 Tsao T-Y, 3407  
 Tsarouha H, 1433  
 Tsekeris P, 453  
 Tsiodras S, 1567, 3039  
 Tsolakidis D, 1445  
 Tsoli M, 3573  
 Tsonis O, 1445  
 Tsourouflis G, 11, 23, 965  
 Tsubata A, 3459  
 Tsuchie H, 1975, 2745  
 Tsuchiya N, 3115  
 Tsuchiya S, 1941  
 Tsuchiya T, 2865  
 Tsuda H, 1341  
 Tsujimoto H, 1941, 3705  
 Tsujinaka S, 3399  
 Tsukahara K, 2891, 2967  
 Tsukasa K, 73  
 Tsutsui K, 3195  
 Tubiana-Mathieu N, 2873  
 Tulin A, 3681  
 Tung H-Y, 2469  
 Tung M-C, 3407  
 Tuominen H, 2829  
 Türküer İ, 1645  
 Turner M, 2303  
 Tvilsted S, 2705, 2727  
 Tzotzola V, 2947  
 Uchibori K, 2995  
 Uchida D, 3233  
 Uchida Y, 845  
 Uchikoshi M, 2037  
 Uchinaka E, 1187, 2837  
 Uchino M, 57  
 Uchiyama H, 3551  
 Uchiyama K, 3489  
 Udagawa N, 1071  
 Ueda D, 1009, 1729  
 Ueda K, 1277  
 Ueda S, 2353  
 Ueda Y, 331  
 Uehara H, 1987  
 Uejima C, 299  
 Uematsu S, 2995  
 Uemoto S, 2623  
 Uemura N, 2845  
 Uemura S, 2851  
 Ueno H, 1941, 2821, 3705  
 Ueno M, 347  
 Ujihara I, 2437  
 Uloza V, 267, 1739  
 Umezawa Y, 1475  
 Unay-Demirel O, 155  
 Une Y, 1901, 1931  
 Uozumi S, 2037  
 Uozumi T, 73  
 Urasaki T, 709, 2859  
 Urata M, 2345  
 Ursino S, 3731  
 Ustunova S, 2507  
 Utriainen M, 667  
 Utsumi F, 109  
 Utsumi M, 1901, 1931  
 Uydes Dogan BS, 2507  
 Vaiciulis P, 267  
 Vailas M, 1499, 3573  
 Valasoulis G, 1445  
 Valentini V, 1297  
 Valeriani M, 1407  
 Valerio MR, 729, 2009  
 Valvo F, 1547  
 Van Beeck A, 3057  
 Van NT, 2153  
 Van Pijkeren J-P, 39  
 Vanasek J, 3441  
 Vanni G, 1125, 1651, 1661,  
     1685, 3033, 3047, 3431,  
     3735  
 Vanninen R, 2577, 2829  
 Vanoli A, 1547  
 Vaos G, 659  
 Varjas T, 2337  
 Bartholomatos G, 2269  
 Vasdev N, 3675  
 Vassiliou AG, 3029  
 Vatopoulou A, 1445  
 Vehmanen L, 667  
 Velmahos G, 503  
 Veskoukis AS, 1811  
 Via VD, 3545  
 Vida F, 715  
 Vieni S, 729  
 Vilasova Z, 3441  
 Vilcu M, 397, 401, 407, 447,  
     787, 793, 839, 1487  
 Vilkeviciute A, 1739, 2443,  
     2499  
 Vilz T, 3361  
 Viña-Romero MM, 2419  
 Vischioni B, 1547  
 Vitale SR, 511, 1481  
 Vitali F, 1333  
 Vitolo V, 1547  
 Vitsos A, 1835  
 Vlassis K, 2057  
 Vollkommer T, 2527  
 Vosmik M, 3441  
 Voutyrtsa E, 1715, 3109  
 Vrachnis N, 2317  
 Vrakopoulou G-Z, 2423  
 Vullo G, 1407  
 Wada H, 2623, 2883  
 Wada Y, 2037, 2309  
 Wakamatsu T, 3655  
 Wakatsuki M, 1289  
 Waliszewski M, 433  
 Wang A-G, 133  
 Wang C-C, 1141  
 Wang DH, 2259  
 Wang H-C, 631  
 Wang H, 33, 39  
 Wang J-Y, 2571  
 Wang L, 807, 2981  
 Wang S-C, 1111  
 Wang S-S, 799  
 Wang W, 1675  
 Wang X, 709, 2859  
 Wang Y-C, 51, 1047, 1111,  
     1117, 1759  
 Wang Z-H, 1047, 1111, 1117,  
     1759  
 Warm M, 2015  
 Washino S, 1289  
 Watanabe H, 1001, 1533,  
     2001, 2095  
 Watanabe J, 275, 723, 1187,  
     1377, 3115  
 Watanabe K, 1001  
 Watanabe M, 1901  
 Watanabe N, 587  
 Watanabe S, 2769  
 Watkins S, 39  
 Wazir U, 233  
 Wei L, 39  
 Weimann ETS, 2107  
 Weiss C, 1195  
 Weizman A, 549  
 Weng M-C, 3217  
 Weng W-C, 3407  
 Werner E, 3597  
 Wipf P, 33, 39  
 Witteler J, 2705, 2727, 3627,  
     3719  
 Wolff T, 2543  
 Wong HP, 2607  
 Woo H-M, 815  
 Woo J, 185  
 Wozniewski M, 495  
 Wu C-N, 1047  
 Wu H-J, 2607  
 Wu M-F, 51, 1117  
 Wujcicka W, 943  
 Xiao L, 1637  
 Xie D-P, 1823  
 Xing Z, 1077

- Xu D-Q, 2381  
 Yabuno A, 1451  
 Yachi Y, 2821  
 Yagisawa S, 3233  
 Yaguchi E, 3233  
 Yaguchi Y, 1941  
 Yagyu T, 1187  
 Yagyu Y, 2837  
 Yajima R, 917, 1365, 2033,  
     2641  
 Yamada E, 1289  
 Yamada H, 1439, 1459,  
     2001, 2095, 3495  
 Yamada K, 1277, 2309,  
     2769, 3013  
 Yamada M, 3589  
 Yamada T, 461, 601, 1533,  
     1871, 2667  
 Yamada Y, 2001, 2095  
 Yamaguchi S, 807, 2981  
 Yamaguchi T, 3489  
 Yamakado K, 331  
 Yamamoto J, 489, 973, 979,  
     2277, 2281, 3153, 3159,  
     3163, 3225  
 Yamamoto K, 3747  
 Yamamoto M, 299, 1187,  
     1729, 1987, 2607, 2837,  
     3713  
 Yamamoto N, 347, 461,  
     1469, 1533  
 Yamamoto R, 3291  
 Yamamoto T, 1503  
 Yamamoto Y, 1037, 2001,  
     2095  
 Yamamura K, 2067  
 Yamana H, 3195  
 Yamano T, 57  
 Yamao T, 2845  
 Yamashita K, 2897  
 Yamashita T, 1975, 2001,  
     2095, 2745, 2967, 3713  
 Yamashita Y-I, 2845  
 Yamazaki F, 95  
 Yamazaki H, 2769  
 Yamazaki M, 2653  
 Yamazaki T, 2037  
 Yan M, 2363  
 Yanaga K, 1201  
 Yanagitani N, 2995  
 Yanai H, 2095  
 Yanaihara N, 1277  
 Yang C-K, 799  
 Yang C, 2803  
 Yang D-H, 2127  
 Yang EY, 185  
 Yang J-S, 51  
 Yano T, 2821  
 Yassin N, 549  
 Yasuhara M, 57  
 Yasui H, 275  
 Yasui W, 461  
 Yasukawa M, 779  
 Yatabe M, 2821  
 Yau Y-C, 1789  
 Yauchi T, 1325  
 Yazaki PJ, 2303  
 Yazdan A, 3675  
 Yazici GN, 2453  
 Yeh C-M, 1805, 2905  
 Yeh K-T, 2631, 2905  
 Yeo CD, 2179  
 Yeo M-K, 3171  
 Yilmazer N, 2507  
 Yoh K, 2549, 2561  
 Yokobori T, 881  
 Yokokawa T, 2647  
 Yokose S, 1071, 1729  
 Yokota K, 2851  
 Yokota NR, 307  
 Yokota T, 3589  
 Yokoyama A, 2821  
 Yokoyama H, 3589  
 Yokoyama Y, 3559  
 Yoneda T, 117, 615  
 Yoo C, 829  
 Yoo J, 2941  
 Yoon B-H, 3519  
 Yoon N, 2613  
 Yoshida H, 897, 1451, 2037,  
     2667, 2995  
 Yoshida K, 109, 1201, 1541,  
     3013  
 Yoshida R, 3551  
 Yoshikawa K, 863  
 Yoshikawa N, 109  
 Yoshikawa T, 461, 1533  
 Yoshimura K, 897  
 Yoshino H, 869  
 Yoshino Y, 2769  
 Yoshitake T, 247  
 Yoshizawa T, 2995  
 Yu C-C, 51, 1111, 1759  
 Yu C-F, 1141  
 Yu J, 39  
 Yu L-Y, 1823  
 Yu N-N, 133  
 Yuan X-J, 2381  
 Yucel B, 169  
 Yuceli S, 2453  
 Yukawa N, 347, 461, 849,  
     857, 1469, 2021, 2079,  
     2087, 2697, 2783, 2797,  
     2933, 3661  
 Yuki H, 2067  
 Yuksel M, 155  
 Yumoto S, 339
- Yunokawa M, 709, 2859  
 Yuri Y, 2549, 2561  
 Yusa T, 2845  
 Zachaki S, 1433  
 Zagouri F, 2947  
 Zagoźdżon P, 423  
 Zaidi S, 239  
 Zajac A, 943  
 Zamboglou C, 3473  
 Zappulo F, 1333  
 Zarachi A, 2249  
 Zaręba-Szczudlik J, 1307  
 Zehaou Z, 2309  
 Zeineh N, 549  
 Zemaitiene R, 2443  
 Zervakis D, 3029  
 Zetterberg H, 2577  
 Zevolis E, 1779  
 Zhai M, 3753  
 Zhang D, 1153  
 Zhang F, 1675  
 Zhang S, 3753  
 Zhang X, 33, 39  
 Zhang Y-Q, 133  
 Zhao L, 2845  
 Zhao M, 1027, 3225  
 Zhen X, 143  
 Zhong B, 2259  
 Zhou X-B, 3639  
 Zhu G, 973, 3225  
 Zimpfer A, 1965  
 Zografos CG, 1715, 2475  
 Zografos G, 23, 2423,  
     2475  
 Zoppoli G, 355  
 Zou Z, 1031  
 Zschoche M, 1965  
 Zustin J, 1875, 2325, 2527  
 Zwicker F, 1555

## Instructions for Authors 2021

**General Policy.** IN VIVO is a multidisciplinary journal designed to bring together original high quality works and reviews on experimental and clinical biomedical research within the frames of human physiology, pathology and disease management. The topics of IN VIVO include: 1. Experimental development and application of new diagnostic and therapeutic procedures; 2. Pharmacological and toxicological evaluation of new drugs, drug combinations and drug delivery systems; 3. Clinical trials; 4. Development and characterization of models of biomedical research; 5. Cancer diagnosis and treatment; 6. Immunotherapy and vaccines; 7. Radiotherapy, Imaging; 8. Tissue engineering, Regenerative medicine; 9. Carcinogenesis; Each article should include a concrete conclusion constituting of a “new piece of knowledge” backed up by scientific evidence. 10. Retrospective studies and case reports. The principal aim of IN VIVO is to provide for the prompt online publication for accepted articles, generally within 1-2 months from final acceptance.

Manuscripts will be accepted on the understanding that they report original unpublished works that are not under consideration for publication by another journal, and that they will not be published again in the same form. All authors should sign a submission letter confirming the approval of their article contents. All material submitted to IN VIVO will be subject to peer-review, when appropriate, by two members of the Editorial Board. All manuscripts submitted to IN VIVO are urgently treated with absolute confidence, with access restricted to the Managing Editor, the journal's secretary, the reviewers and the printers. The Editors reserve the right to improve manuscripts on grammar and style.

The use of animals in biomedical research should take place under careful supervision of a person adequately trained in this field and the animals must be treated humanely at all times. Such research should adhere to the Guiding Principles in the Care and Use of Animals approved by the Council of the American Physiological Society.

The Editors and Publishers of IN VIVO accept no responsibility for the contents and opinions expressed by the contributors. Authors should warrantee due diligence in the creation and issuance of their work.

**Open Access Policy.** IN VIVO appears bimonthly as an online-only open access journal through the Stanford University HighWire Press. Upon acceptance, Authors will be asked to pay an online publication fee of USD 800.00 (effective January 1, 2021) for articles up to 8 online pages (including figures and tables). Each additional excess page will be charged USD 60.00. Color will not be charged. Authors from developing countries may apply for a 25% discount after the acceptance of their paper. IN VIVO online will keep the volume and issue numbers, as well as page numbering.

**Copyright.** Authors retain copyright. The unrestricted non-commercial use, distribution and reproduction in any medium of IN VIVO articles for academic reasons is allowed, provided that the original work is properly cited. The Authors grant the permanent right to the publisher to use any articles published in this journal without any restriction, including academic advertising purposes. PDF, XML and html files of all articles published in IN VIVO are the property of the publisher.

**Format.** Two types of papers may be submitted: (i) Full papers containing completed original work, and (ii) review articles concerning fields of recognisable progress. Papers should contain all essential data in order to make the presentation clear. Papers should be written in clear, concise English. Spelling should follow that given in the “Shorter Oxford English Dictionary”.

**Manuscripts.** Manuscripts should be divided into the following sections: (a) *First page* including the title of the presented work [not exceeding fifteen (15) words], full names and full postal addresses of all Authors, name of the Author to whom proofs are to be sent, key words, an abbreviated running title, an indication “review”, “clinical”, “epidemiological”, or “experimental” study, and the date of submission. (Note: The order of the Authors is not necessarily indicative of their contribution to the work. Authors may note their individual contribution(s) in the appropriate section(s) of the presented work); (b) *Abstract* not exceeding 150 words, organized according to the following headings: Background/Aim – Materials and Methods/Patients and Methods – Results – Conclusion; (c) *Introduction*; (d) *Materials and Methods/Patients and Methods*; (e) *Results*; (f) *Discussion*; (g) *Conflicts of Interest*; (h) *Authors' contributions*; (i) *Acknowledgements*; (j) *References*. All pages must be numbered consecutively. Footnotes should be avoided. Review articles may follow a different style according to the subject matter and the Author’s opinion. Review articles should not exceed 35 pages (approximately 250 words per double-spaced typed page) including all tables, figures, and references.

**Figures.** All figures should appear **at the end** of the submitted document file. Once a manuscript is accepted all figures and graphs should be submitted separately in either jpg, tiff or pdf format and at a minimum resolution of 300 dpi. Graphs must be submitted as pictures made from drawings and must not require any artwork, typesetting, or size modifications. Symbols, numbering and lettering should be clearly legible. The number and top of each figure must be indicated. Pages that include color figures are not subject to color charges.

**Tables.** All tables should appear **at the end** of the submitted document file. Once a manuscript is accepted, each table should be submitted separately, typed double-spaced. Tables should be numbered with Roman numerals and should include a short title.

**References.** Authors must assume responsibility for the accuracy of the references used. Citations for the reference sections of submitted works should follow the form below and must be numbered consecutively. In the text, references should be cited by number in parenthesis. Examples: 1 Kenyon J, Liu W and Dalglish A: Report of objective clinical responses of cancer patients to pharmaceutical-grade synthetic cannabidiol. *Anticancer Res* 38(10): 5831-5835, 2018. PMID: 30275207. DOI: 10.21873/anticancerres.12924. (PMIDs and DOIs only if applicable). 2 McGuire WL and Chamnes GC: Studies on the oestrogen receptor in breast cancer. In: *Receptors for Reproductive Hormones*. O' Malley BW, Chamnes GC (eds.). New York, Plenum Publ Corp., pp 113-136, 1973. 3 Global Health Estimates 2015: Disease Burden by Cause, Age, Sex, by Country and by Region, 2000-2015. Geneva, World Health Organisation, 2016. Available at [http://www.who.int/healthinfo/global\\_burden\\_disease/estimates/en/index2.html](http://www.who.int/healthinfo/global_burden_disease/estimates/en/index2.html). Last accessed on 3rd April 2018. (The web address should link directly to the cited information and not to a generic webpage).

**Nomenclature and Abbreviations.** Nomenclature should follow that given in “Chemical Abstracts”, “Index Medicus”, “Merck Index”, “IUPAC -IUB”, “Bergery’s Manual of Determinative Bacteriology”, The CBE Manual for Authors, Editors and Publishers (6th edition, 1994), and MIAME Standard for Microarray Data. Human gene symbols may be obtained from the HUGO Gene Nomenclature Committee (HGNC) (<http://www.gene.ucl.ac.uk/>). Approved mouse nomenclature may be obtained from <http://www.informatics.jax.org/>. Standard abbreviations are preferable. If a new abbreviation is used, it must be defined on first usage.

**Clinical Trials.** Authors of manuscripts describing clinical trials should provide the appropriate clinical trial number in the correct format in the text.

For International Standard Randomised Controlled Trials (ISRCTN) Registry (a not-for-profit organization whose registry is administered by Current Controlled Trials Ltd.) the unique number must be provided in this format: ISRCTNXXXXXXX (where XXXXXXXX represents the unique number, always prefixed by “ISRCTN”). Please note that there is no space between the prefix “ISRCTN” and the number. Example: ISRCTN47956475.

For Clinicaltrials.gov registered trials, the unique number must be provided in this format: NCTXXXXXXX (where XXXXXXXX represents the unique number, always prefixed by “NCT”). Please note that there is no space between the prefix “NCT” and the number. Example: NCT00001789.

**Ethical Policies and Standards.** IN VIVO agrees with and follows the “Uniform Requirements for Manuscripts Submitted to Biomedical Journals” established by the International Committee of Medical Journal Editors in 1978 and updated in October 2001 ([www.icmje.org](http://www.icmje.org)). Microarray data analysis should comply with the “Minimum Information About Microarray Experiments (MIAME) standard”. Specific guidelines are provided at the “Microarray Gene Expression Data Society” (MGED) website. Presentation of genome sequences should follow the guidelines of the NHGRI Policy on Release of Human Genomic Sequence Data. Research involving human beings must adhere to the principles of the Declaration of Helsinki and Title 45, U.S. Code of Federal Regulations, Part 46, Protection of Human Subjects, effective December 13, 2001. Research involving animals must adhere to the Guiding Principles in the Care and Use of Animals approved by the Council of the American Physiological Society. The use of animals in biomedical research should be under the careful supervision of a person adequately trained in this field and the animals must be treated humanely at all times. Research involving the use of human foetuses, foetal tissue, embryos and embryonic cells should adhere to the U.S. Public Law 103-41, effective December 13, 2001.

**Submission of Manuscripts.** Please follow the Instructions for Authors regarding the format of your manuscript and references. Manuscripts must be submitted only through our online submission system at: <http://www.iiar-submissions.com/login.html> In case a submission is incomplete, the corresponding Author will be notified accordingly.

Questions regarding difficulties in using the online submission system should be addressed to: email: [journals@iiar-anticancer.org](mailto:journals@iiar-anticancer.org)

**Galley Proofs.** Unless otherwise indicated, galley proofs will be sent to the corresponding Author of the submission. Corrections of galley proofs should be limited to typographical errors. Galley proofs should be returned corrected to the Editorial Office by email within two days.

### **Specific information and additional instructions for Authors**

1. In Vivo (IV) will consider the publication of conference proceedings and/or abstracts provided that the material submitted fulfils the quality requirements and instructions of the journal, following the regular review process by two suitable referees.
2. An acknowledgement of receipt, including the article number, title and date of receipt is sent to the corresponding author of each manuscript upon receipt. If this receipt is not received within 20 days from submission, the author should call or write to the Editorial Office to ensure that the manuscript (or the receipt) was not lost in the mail.

3. Each manuscript submitted to IV is sent for peer-review in confidence to two suitable referees with the request to return the manuscript with their comments to the Editorial Office within 12 days from receipt. If reviewers need a longer time or wish to send the manuscript to another expert, the manuscript may be returned to the Editorial Office with a delay. All manuscripts submitted to IV, are treated in confidence, without access to any person other than the Managing Editor, the journal's secretary, the reviewers and the printers.
4. All accepted manuscripts are carefully corrected in style and language, if necessary, to make presentation clear. (There is no fee for this service). Every effort is made (a) to maintain the personal style of the author's writing and (b) to avoid change of meaning. Authors will be requested to examine carefully manuscripts which have undergone language correction at the pre-proof or proof stage.
5. Authors should pay attention to the following points when writing an article for IN VIVO:
  - The Instructions to Authors must be followed in every detail.
  - The presentation of the experimental methods should be clear and complete in every detail facilitating reproducibility by other scientists.
  - The presentation of results should be simple and straightforward in style. Results and discussion should not be combined into one section, unless the paper is short.
  - Results given in figures should not be repeated in tables.
  - Figures (graphs or photographs) should be prepared at a width of 8 or 17 cm with legible numbers and lettering.
  - Photographs should be clear with high contrast, presenting the actual observation described in the legend and in the text. Each legend should provide a complete description, being self-explanatory, including technique of preparation, information about the specimen and magnification.
  - Statistical analysis should be elaborated wherever it is necessary. Simplification of presentation by giving only numerical or % values should be avoided.
  - Fidelity of the techniques and reproducibility of the results, should be points of particular importance in the discussion section. Authors are advised to check the correctness of their methods and results carefully before writing an article. Probable or dubious explanations should be avoided.
  - Authors should not cite results submitted for publication in the reference section. Such results may be described briefly in the text with a note in parenthesis (submitted for publication by... authors, year).
  - References. Each article should address, list and discuss the entire spectrum of current publications relevant to its field.
  - By following these instructions, Authors will facilitate a more rapid review and processing of their manuscripts and will provide the readers with concise and useful papers.
6. Following review and acceptance, a manuscript is examined in language and style, and galley proofs are rapidly prepared. Second proofs are not sent unless required.
7. Authors should correct their galley proofs very carefully and preferably twice. An additional correction by a colleague always proves to be useful. Particular attention should be paid to chemical formulas, mathematical equations, symbols, medical nomenclature etc. Any system of correction marks can be used in a clear manner, preferably with a red pen. Additions or clarifications are allowed provided that they improve the presentation but do not bring new results (no fee).
8. Articles submitted to IN VIVO may be rejected without review if:
  - they do not fall within the journal's policy.
  - they do not follow the instructions for authors.
  - language is unclear.
  - results are not sufficient to support a final conclusion.
  - results are not objectively based on valid experiments.
  - they repeat results already published by the same or other authors before the submission to IV.
  - plagiarism is detected by plagiarism screening services.(Rejection rate (2020): 64%).
9. Authors who wish to prepare a review should contact the Managing Editor of the journal in order to get confirmation of interest in the particular topic of the review and to allow programming of space availability. The expression of interest by the Managing Editor does not necessarily imply acceptance of the review by the journal.
10. Authors may inquire information about the status of their manuscript(s) by calling the Editorial Office at +30-22950-53389, Monday to Friday 9.00-16.00 (Athens time), or by sending an e-mail to [journals@iilar-anticancer.org](mailto:journals@iilar-anticancer.org).
11. Authors who wish to edit a special issue on a particular topic should contact the Managing Editor.  
(This text is a combination of advice and suggestions contributed by Editors, Authors, Readers and the Managing Editor of IV).

**Copyright© 2020-2021** – International Institute of Anticancer Research (G.J. Delinasios). All rights reserved (including those of translation into other languages). No part of this journal may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, microfilming, recording or otherwise, without written permission from the Publisher.

**General Policy:** IN VIVO is a multidisciplinary journal designed to bring together original high quality works and reviews on experimental and clinical biomedical research within the framework of human physiology, pathology and disease management. The special focus of the journal is the publication of works on: 1. Experimental development and application of new diagnostic and therapeutic procedures; 2. Pharmacological and toxicological evaluation of new drugs, drug combinations, and drug delivery systems. 3. Clinical trials; 4. Development and characterization of models for biomedical research; 5. Cancer diagnosis and treatment; 6. Immunotherapy and vaccines; 7. Radiotherapy, imaging; 8. Tissue engineering, Regenerative medicine; 9. Carcinogenesis; 10. Retrospective studies and case reports. The principle aim of IN VIVO is to provide for the prompt publication of accepted articles, generally within 1-2 months from final acceptance.

IN VIVO supports (a) the aims and research projects of the INTERNATIONAL INSTITUTE OF ANTICANCER RESEARCH and (b) the organization of the INTERNATIONAL CONFERENCES OF ANTICANCER RESEARCH.

**Publication Data:** IN VIVO is published bimonthly online-only and open access by the International Institute of Anticancer Research. Each annual volume comprises six issues. Annual Author and Subject Indexes are included in the sixth issue of each volume. IN VIVO Vol. 18 (2004) and onwards appears online with Stanford University HighWire Press. All published articles are deposited in PubMed Central.

**Copyright:** Once a manuscript has been published in IN VIVO, the legal ownership of all published parts of the paper has passed from the Author to the Journal.

**Open Access Policy:** Open Access Policy: IN VIVO appears bimonthly as an online-only open access journal through the Stanford University HighWire Press. Upon acceptance, Authors will be asked to contribute an online publication fee of USD 800 (effective January 1, 2021) for articles up to 8 online pages (including figures and tables). Each additional excess page will be charged USD 60,00. Color will not be charged. Authors from developing countries may apply for a 25% discount after the acceptance of their paper. IN VIVO online will keep the volume, issue, and page numbering.

Articles in IN VIVO are regularly indexed in bibliographic services, including PubMed, PubMed Central, Index Medicus, MEDLINE, Biological Abstracts, BIOSIS Previous, Science Citation Index Expanded, Essential Science Indicators, Chemical Abstracts, Excerpta Medica, Elsevier Bibliographic Database, EMBASE, Compendex, GEOBASE, EMBiology, Elsevier BIOBASE, FLUIDEX, World Textiles, Scopus, CANCER-LIT Database, University of Sheffield Biomedical Information Service (SUBIS), Current Clinical Cancer, AIDS Abstracts, Progress in Palliative Care, Update-Research Information Systems Inc., Inpharma-Reactions Datastar, BRS, Reference Update (I.S.I.), Research Alert (I.S.I.), Google Scholar, BioBase, MedBase, Investigational Drugs Database, VINITI Abstracts Journal, PubsHub, Sociedad Iberoamericana de Información Científica (SIIC) Databases.

The Editors and Publisher of the journal IN VIVO accept no responsibility for the opinions expressed by the contributors or for the content of the advertisements appearing herein.

**All correspondence** (status of submitted manuscripts, change of address, general editorial matters, advertising rate requests) should be addressed to the Editorial Office, e-mail: [journals@iilar-anticancer.org](mailto:journals@iilar-anticancer.org). Articles should be submitted only through our online submission system ([www.iiar-submissions.com](http://www.iiar-submissions.com)).

**Editorial Office:** International Institute of Anticancer Research (IIAR), 1st km Kapandritiou-Kalamou Rd., Kapandriti, P.O.B. 22, Attiki 19014, Greece. Tel & Fax: +30-22950-53389.

**U.S. Branch:** Anticancer Research USA, Inc., 111 Bay Avenue, Highlands, NJ, 07732, USA. e-mail: [journals@iilar-anticancer.org](mailto:journals@iilar-anticancer.org).

**E-mails:**

**Editorial Office:** [journals@iilar-anticancer.org](mailto:journals@iilar-anticancer.org)

**Managing Editor:** [editor@iilar-anticancer.org](mailto:editor@iilar-anticancer.org)

For more information about IN VIVO and the INTERNATIONAL INSTITUTE OF ANTICANCER RESEARCH, please visit the IIAR website: [www.iilar-anticancer.org](http://www.iilar-anticancer.org); [www.iv.iilarjournals.org](http://www.iv.iilarjournals.org)

Copyright© 2020-2021, International Institute of Anticancer Research (Dr. George J. Delinasios), All rights reserved