

Forthcoming Papers in IN VIVO, Volume 26 (2012)

ISSN (print): 0258-851X; ISSN (online): 1791-7549

Quantitative Effects of Diet on Fecal Corticosterone Metabolites in Two Strains of Laboratory Mice. O. KALLIOKOSKI, K.R. JACOBSEN, A.C. TEILMANN, J. HAU, K.S.P. ABELSON (*Copenhagen, Denmark*)

Order-of-magnitude Estimates of Latency (time-to-appearance) and Refill Time of a Cancer from a Single Cancer "Stem" Cell Compared by an Exponential and a Logistic Equation. K.M. ANDERSON, M. RUBENSTEIN, P. GUINAN, M. PATEL (*Chicago, IL, USA; Panchgani, Maharashtra, India*)

Inhibition of Quorum Sensing and Efflux Pump System by Proton Pump Inhibitor Trifluoromethyl Ketones. Z.G. VARGA, A. ARMADA, P. CERCA, L. AMARAL, M.A.A. MIOR, A. SUBKI, M.A. SAVKA, E. SZEGEDI, M. KAWASE, N. MOTOHASHI, J. MOLNÁR (*Szeged; Kecskemét, Hungary; Lisbon, Portugal; Rochester, NY, USA; Ehime; Tokyo, Japan*)

3, 3'-diindolylmethane Increases Serum Interferon- γ Levels in the K14-HPV16 Transgenic Mouse Model for Cervical Cancer. D.W. SEPKOVIC, L. RAUCCI, J. STEIN, A.D. CARLISLE, K. AUBORN, H.B. KSIESKI, T. NYIRENDA, H.L. BRADLOW (*Hackensack, NJ; Manhasset, NY, USA*)

In vivo Monitoring of Natural Killer Cell Dependent Clearance of Lung Metastasis Using Dynamic Positron Emission Tomography. C. KRUSCHINSKI, Y. HAMA, T. SKRIPULETZ, B. VASKE, W.H. KNAPP, R.E. SCHMIDT, R. PABST, S. VON HÖRSTEN, M. HOFMANN (*Hannover; Erlangen, Germany*)

Intercellular Adhesion Molecule (ICAM)-1 and Vascular Cell Adhesion Molecule (VCAM)-1 at the Early Stages of Atherosclerosis in a Rat Model. L. FOTIS, G. AGROGIANNIS, I.S. VLACHOS, A. PANTOPOULOU, A. MARGONI, M. KOSTAKI, C. VERIKOKOS, D. TZIVRAS, D.P. MIKHAILIDIS, D. PERREA (*Athens, Greece; London, UK*)

Extensive Sublingual Epidermoid Cyst – Attempt at Immunohistological Analysis and Proof by Podoplanin. A.T. ASSAF, M. HEILAND, M. BLESSMAN, R.E. FRIEDRICH, J. ZUSTIN, A. AL-DAM (*Hamburg, Germany*)

Skin Metastasis in Patient with Hairy Cell Leukemia: Case Report and Review of Literature. P. FINO, P. FIORAMONTI, M. GIUSEPPINA, D. PASSARETTI, N. SCUDERI (*Rome, Italy*)

The Activity of 15 New Hydantoin Compounds on the Intrinsic and Over-expressed Efflux Pump System of *Staphylococcus Aureus*. A. DYMEK, A. ARMADA, J. HANDZLIK, M. VIVEIROS, G. SPENGLER, J. MOLNAR, K. KIEĆ-KONONOWICZ, L. AMARAL (*Krakow; Lisbon, Poland; Brussels, Belgium; Szeged, Hungary*)

Black Tea Polyphenols Inhibit Tumor Proteasome Activity. T. MUJTABA, Q.P.DOUB (*Detroit, MI, USA*)

Comparative Study of Biological Activity of Three Commercial Products of *Sasa senanensis* Rehder Leaf Extract. H. SAKAGAMI, S. IWAMOTO, T. MATSUTA, K. SATOH, C. SHIMADA, T. KANAMOTO, S. TERAKUBO, H. NAKASHIMA, Y. MORITA, A. OHKUBO, T. TSUDA, K. SUNAGA, M. KITAJIMA, H. OIZUMI, T. OIZUMI (*Tokyo; Kanagawa, Saitama, Japan*)

Induction of Non-apoptotic Cell Death by *Rhinacanthus nasutus* Extract in Human Oral Squamous Cell Carcinoma Cell Line. H. HORII, R. SUZUKI, H. SAKAGAMI, N. UMEMURA, J.-Y. UEDA, Y. SHIRATAKI (*Saitama; Toyama, Japan*)

Induction of Non-apoptotic Cell Death by *Odontioda Marie* Noel 'Velano' Extracts in Human Oral Squamous Cell Carcinoma Cell Line. Y. MASUDA, R. SUZUKI, H. SAKAGAMI, N. UMEMURA, J.-Y. UEDA, Y. SHIRATAKI (*Saitama; Toyama, Japan*)

Potential Therapy of Multi-drug Resistant (mdrtb) and Extremely Drug Resistant Tuberculosis (xdrtb) with Thioridazine. L. AMARAL, J. MOLNAR (*Lisbon, Portugal, Szeged, Hungary*)

Usefulness of History-Taking in Nonspecific Abdominal Pain (NSAP); A Prospective Study of 1333 Patients with Acute Abdominal Pain in Finland. M. ESKELINEN, P. LIPPONEN (*Kuopio, Finland*)

Effects of Changes in Occlusal Vertical Dimension on Heart Rate Fluctuations in Guinea Pigs. H. TAGA, Y. AZUMA, K. MAEHARA, S. NOMURA (*Niigata; Gifu, Saitama, Japan*)

Suppression of Preadipocyte Differentiation and Promotion of Adipocyte Death by Anti-HIV Drugs. L. MANENTE, A. LUCARIELLO, C. COSTANZO, R. VIGLIETTI, G. PARRELLA, R. PARRELLA, M. GARGIULO, A. DE LUCA, A. CHIRIANNI, V. ESPOSITO (*Naples, Italy*)

Human Osteoprogenitor Cells Increase Differentiation after Treatment with Pulsed Electromagnetic Fields. M. ESPOSITO, A. LUCARIELLO, I. RICCIO, V. RICCIO, V. ESPOSITO, G. RICCARDI (*Naples, Italy*)

Comparative Transcriptional Profiling in HIV-infected Patients Using Human Stress Arrays: Clues to Metabolic Syndrome. V. ESPOSITO, L. MANENTE, R. VIGLIETTI, G. PARRELLA, R. PARRELLA, M. GARGIULO, V. SANGIOVANNI, A. BALDI, A. DE LUCA, A. CHIRIANNI (*Naples, Italy*)

Cardiovascular Protetic Surgery: An Analysis of Cellular and Molecular Patterns Underlying Valve Implantation Failure. G. MAZZARELLA, A. BIANCO, A. LUCARIELLO, L. SAVARESE, A. FIUMARELLA, F. CERASUOLO, F. FERRARACCIO, A. DE LUCA (*Naples; Campobasso, Italy*)

Cartilage Defect Regeneration by Ex-vivo Engineered Autologous Micro-tissue – Preliminary Results. U. MEYER, H.-P. WIESMANN, J. LIBERA, R. DEPPRICH, C. NAUJOKS, J. HANDSCHEL (*Düsseldorf; Dresden; Teltow, Germany*)

Screening for Efflux Pump Systems of Bacteria by the New Acridine Orange Agar Method. A. MARTINS, L. AMARAL (*Szeged, Hungary; Lisboa, Portugal; Brussels, Belgium*)

The Sentinel Lymph Node Biopsy Under Local Anaesthesia *Versus* General Anaesthesia: Reliability and Cost-effectiveness Analysis in 153 Patients with Malignant Melanoma. P. COVARELLI, M. BADOLATO, G.M. TOMASSINI, V. POPONESI, C. LISTORTI, E. CASTELLANI, C. BOSELLI, G. NOYA (*Perugia, Italy*)

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Print ISSN: 1109-6535
Online ISSN: 1790-6245
VOL. 1 (2004) - VOL. 9 (2012)



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A Selection of Recent Papers

KRAS Mutation is Associated with Elevated Myeloblastin Activity in Human Lung Adenocarcinoma. T. WIEDL, S. COLLAUD, S. HILLINGER, S. ARNI, C. BURGESS, W. KROLL, P. SCHRAML, A. SOLTERMANN, H. MOCH, W. WEDER (*Zurich, Switzerland; Cambridge, MA, USA*)

Early detection of Ovarian Cancer in Pre-diagnosis Samples Using CA125 and MALDI MS Peaks. J.F. TIMMS *et al* (*London; Reading, UK*)

Decoding Differentially Regulated Epithelial and Stromal Pathways in Colorectal Cancer. M. ABBA, S. LAUFS, M. AGHAJANY, B. KORN, A. BENNER, H. ALLGAYER (*Heidelberg, Germany*)

New Gene Groups Associated with Dissimilar Osteoblastic Differentiation Are Linked to Osteosarcomagenesis. F. LUK, Y. YU, H.- T. DONG, W.R. WALSH, J.- L. YANG (*Sydney, NSW, Australia*)

Small Molecule Inhibition of Cytoskeletal Dynamics in Melanoma Tumors Results in Altered Transcriptional Expression Patterns of Key Genes Involved in Tumor Initiation and Progression. C. SPENCER, J. MONTALVO, S.R. MCLAUGHLIN, B.A. BRYAN (*Worcester, MA, USA*)

Gene Expression Profile Can Predict Pathological Response to Preoperative Chemoradiotherapy in Rectal Cancer. M. NISHIOKA, M. SHIMADA, N. KURITA, T. IWATA, S. MORIMOTO, K. YOSHIKAWA, J. HIGASHIJIMA, T. MIYATANI (*Tokushima, Japan*)

Gene Expression Profiling and its Utility in Prediction of Local Relapse after Breast-conserving Therapy in Early Breast Cancer. R. SABATIER, P. FINETTI, N. CERVERA, A. TALLET, M. BENCHALAL, G. HOUVENAEGHEL, J. JACQUEMIER, D. BIRNBAUM, F. BERTUCCI (*Marseille; Rennes, France*)

Restoration of Senescence in Breast and Ovarian Cancer Cells Following the Transfer of the YAC Carrying SEN6A Gene Located at 6q16.3. N.S. RANE, A.K. SANDHU, V.S. ZHAWAR, G. KAUR, N.C. POPESCU, R.P. KANDPAL, M. JHANWAR-UNIYAL, R.S. ATHWAL (*Philadelphia, PA; Bethesda, MD; Pomona, CA; Valhalla, NY, USA*)

Therapy-, Gender- and Race- specific microRNA Markers, Target Genes and Networks Related to Glioblastoma Recurrence and Survival. K.R. DELFINO, N.V.L. SERÃO, B.R. SOUTHEY, S.L. RODRIGUEZ- ZAS (*Urbana, IL, USA*)

Differential Splicing Generates New Transmembrane Receptor and Extracellular Matrix-related Targets for Antibody-based Therapy of Cancer (Review). U.H. WEIDLE, D. MAISEL, S. KLOSTERMANN, E.H. WEISS, M. SCHMITT (*Penzberg; Planegg-Martinsried; Munich, Germany*)

The Cancer Biomarker Osteopontin: Combination with Other Markers (Review). G.F. WEBER (*Cincinnati, OH, USA*)

Epigenetic Inactivation of the Placentally Imprinted Tumor Suppressor Gene TFPI2 in Prostate Carcinoma (Review). T. RIBARSKA, M. INGENWERTH, W. GOERING, R. ENGERS, W.A. SCHULZ (*Düsseldorf, Germany*)

TGF- β 1 Interactome: Metastasis and Beyond (Review). M. PERERA, C.S. TSANG, R.J. DISTEL, J.N. LACY, L. OHNO- MACHADO, V. RICCHIUTI, L.P. SAMARANAYAKE, G.B. SMEJKAL, M.G. SMITH, A.J. TRACHTENBERG, W.P. KUO (*Hong Kong, Hong Kong; Boston, MA; Ormond Beach, FL; La Jolla, CA, USA*)

Pathogenetic and Clinical Relevance of MicroRNAs in Colorectal Cancer (Review). N. VALERI, C.M. CROCE, M. FABBRI (*Columbus, OH, USA; Ferrara; Meldola, Italy*)

The Continuing Search for Predisposing Colorectal Cancer Variants (Review). S. PICELLI, S. VON HOLST, P. WESSENDORF (*Stockholm, Sweden*)

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International Journal of Cancer Research and Treatment

ISSN (print): 0250-7005; ISSN (online): 1791-7530

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For more information please visit our websites www.iiar-anticancer.org and www.iiarjournals.org.
- **Editorial Office:** International Institute of Anticancer Research (IIAR), 1st km Kapandritiou-Kalamou Rd., Kapandriti, P.O. Box 22, Attiki 19014, Greece.
Tel & Fax: +30-22950-53389, e-mail: journals@iiar-anticancer.org. IIAR website: www.iiar-anticancer.org

● Selection of Recent Articles

Autologous Stem Cell Transplantation: Leukapheresis Product has Anti-angiogenic Effects *In Vivo* Correlating with Neutrophil-derived VEGFR1. A. LUETHY, F. STENNER, C. LOHRI, C. MULLER, P. SAMARAS, R. STEINER, M. VAN DEN BROEK, A. MISCHO, C. RENNER, A. KNUTH, C. RUEGG, R.H. WENGER, M. ZWEIFEL (Zurich; Fribourg, Switzerland)

TGF- β Regulation of Focal Adhesion Proteins and Motility of Premalignant Oral Lesions via Protein Phosphatase 1. J.E. WALSH, M.R. YOUNG (Charleston, SC, USA)

Angiogenesis Quantification in Breast Cancer by Automated Vessel Identification in CD34 Immunohistochemical Sections. L.T.G. MIKALSEN, H.P. DHAKAL, Ø.S. BRULAND, J.M. NESLAND, D.R. OLSEN (Oslo; Bergen, Norway)

Selective Gelatinase Inhibitor Peptide is Effective in Targeting Tongue Carcinoma Cell Tumors *In Vivo*. J. SUOJANEN, J. REUNANEN, S.-T. VILEN, P. NYBERG, P. HEIKKILÄ, O. PENATE-MEDINA, P.E.J. SARIS, J. HAGSTRÖM, T. SORSA (Helsinki; Oulu, Finland; New York, NY, USA)

Acquired Drug Resistance to Vascular Endothelial Growth Factor Receptor 2 Tyrosine Kinase Inhibitor in Human Vascular Endothelial Cells. T. ARAO, K. MATSUMOTO, K. FURUTA, K. KUDO, H. KANEDA, T. NAGAI, K. SAKAI, Y. FUJITA, D. TAMURA, K. AOMATSU, F. KOIZUMI, K. NISHIO (Osaka- Sayama; Tokyo, Japan)

Synergistic Activity of Histone Deacetylase and Proteasome Inhibition Against Pancreatic and Hepatocellular Cancer Cell Lines. J.L. SPRATLIN, T.M. PITTS, G.N. KULIKOWSKI, M.P. MORELLI, J.J. TENTLER, N.J. SERKOVA, S.G. ECKHARDT (Aurora, CO, USA; Edmonton, AB, Canada)

Cytotoxicity of Chalcone Derivatives towards Glioblastoma. P. CHAMPELOVIER, M. MININNO, E. DUCHAMP, E. NICOLLE, V. CURRI, A. BOUMENDJEL, J. BOUTONNAT (Grenoble, France)

A Rapid Imageable *In Vivo* Metastasis Assay for Circulating Tumor Cells. R.S. MENEN, E. PINNEY, K. KOLOSTOVA, V. BOBEK, A. SUETSUGU, N. ZHANG, M. BOUVET, R.M. HOFFMAN (San Diego; Oakland, CA, USA; Prague, Czech Republic)

Loss of p27^{KIP1} Expression in Fully-staged Node-negative Breast Cancer: Association with Lack of Hormone Receptors in T1a/b, but not T1c Infiltrative Ductal Carcinoma. D. MIRCHANDANI, D. ROSES, G. INGHIRAMI, A. ZELENIUCH-JACQUOTTE, J. CANGIARELLA, A. GUTH, R.A. SAFYAN, S. FORMENTI, M. PAGANO, F. MUGGIA (New York, NY, USA)

Clinicopathological Study of Poorly Differentiated Colorectal Adenocarcinomas: Comparison between Solid-type and Non-solid-type Adenocarcinomas. K. KOMORI, Y. KANEMITSU, S. ISHIGURO, Y. SHIMIZU, T. SANO, S. ITO, T. ABE, Y. SENDA, K. MISAWA, Y. ITO, N. UEMURA, T. KATO (Nagoya; Aichi, Japan)

Expression Status of Ribonucleotide Reductase Small Subunits hRRM2/p53R2 as Prognostic Biomarkers in Stage I and II Non-small Cell Lung Cancer. N.-Y. HSU, J.-Y. WU, X. LIU, Y. YEN, C.-Y. CHEN, M.-C. CHOU, C.-H. LIN, H. LEE, Y.-W. CHENG (Taichung; Hsinchu, Taiwan, ROC; Duarte, CA, USA)

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Effect of Tamoxifen or Anastrozole on Steroid Sulfatase Activity and Serum Androgen Concentrations in Postmenopausal Women with Breast Cancer. S.J. STANWAY, C. PALMIERI, F.Z. STANCZYK, E.J. FOLKERD, M. DOWSETT, R. WARD, R.C. COOMBES, M.J. REED, A. PUROHIT (London, UK; Los Angeles, CA, USA)

Rho Kinase Proteins—Pleiotropic Modulators of Cell Survival & Apoptosis (Review). C.A. STREET, B.A. BRYAN (Worcester, MA; El Paso, TX, USA)

The Roles of Cytochrome P450 Enzymes in Prostate Cancer Development and Treatment (Review). T.C. CHEN, T. SAKAKI, K. YAMAMOTO, A. KITAKA (Boston, MA, USA; Toyama; Tokyo; Kanagawa, Japan)

Cell-free DNA in the Circulation as a Potential Cancer Biomarker (Review). C. KOHLER, Z. BAREKATI, R. RADPOUR, X.Y. ZHONG (Basel, Switzerland)

KRAS- induced Actin- interacting Protein: A Potent Target for Obesity, Diabetes and Cancer (Review). T. FUJIMOTO, S. SHIRASAWA (Fukuoka, Japan)

The Mutational Profile of Sporadic Epithelial Ovarian Carcinoma (Review). S. KALAMANATHAN, V. BATES, R. LORD, J.A. GREEN (Liverpool; Wirral, Merseyside, UK)

Full Myeloablative Conditioning and an Unrelated HLA Mismatched Donor Increase the Risk for BK Virus-positive Hemorrhagic Cystitis in Allogeneic Hematopoietic Stem Cell Transplanted Patients (Review). T. DALIANIS, P. LJUNGMAN (Stockholm, Sweden)

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