

# in vivo

International Journal of Experimental and Clinical Pathophysiology and Drug Research

Volume 24, Number 1, January-February 2010

## Contents

### *Experimental Studies*

- Effectiveness of Combined Modality Radiotherapy of Orthotopic Human Squamous Cell Carcinomas in Nu/Nu Mice Using Cetuximab, Tirapazamine and MnSOD-Plasmid Liposome Gene Therapy. M.W. EPPERLY, S.Y. LAI, A.J. KANAI, N. MASON, B. LOPRESI, T. DIXON, D. FRANICOLA, Y. NIU, W.R. WILSON, J.S. GREENBERGER (*Pittsburgh, PA, USA; Auckland, New Zealand*) ..... 1
- Screening of Antimicrobial Agents for *In Vitro* Radiation Protection and Mitigation Capacity, Including those Used in Supportive Care Regimens for Bone Marrow Transplant Recipients. M.W. EPPERLY, D. FRANICOLA, D. SHIELDS, J.-C. RWIGEMA, B. STONE, X. ZHANG, W. MCBRIDE, G. GEORGES, P. WIPF, J.S. GREENBERGER (*Pittsburgh, PA; Los Angeles, CA; Seattle, WA, USA*) ..... 9
- Rational Targeting in Acute Promyelocytic Leukemia. N.A. PAPANIKOLAOU (*Thessaloniki, Greece; New York, NY, USA*) ..... 21
- Effect of Contact with Titanium Alloys on the Proliferation of Mouse Osteoblastic Cells in Culture. H. ONUKI, H. SAKAGAMI, M. KOBAYASHI, Y. HIBINO, Y. YOKOTE, H. NAKAJIMA, J. SHIMADA (*Saitama, Japan*) ..... 29
- Hormetic Response of Cultured Normal and Tumor Cells to 2-Aminotropone Derivatives. H. WAKABAYASHI, T. NARITA, A. SUGA, H. SAKAGAMI (*Saitama, Japan*) ..... 39
- CD40L-Transfected Myeloma Cells Transfer Prolonged Immunity *In Vivo*. Y. KIM, J.W. STREHL, E. SIEVERS, M. GORSCHLÜTER, P. BROSSART, I.G.H. SCHMIDT-WOLF (*Bonn, Germany*) ..... 45
- Resveratrol Activation of Nitric Oxide Synthase in Rabbit Brain Synaptosomes: Singlet Oxygen ( $^1O_2$ ) Formation as a Causative Factor of Neurotoxicity. S. FOTIOU, D. FOTIOU, A. ALAMANOU, G. DELICONSTANTINOS (*Athens, Greece*) ..... 49

Contents continued on the back cover

Inhibition of Prostaglandin E2 Production by Flavone and its Related Compounds. T. KANEKO, H. CHIBA, N. HORIE, T. KATO, M. KOBAYASHI, K. HASHIMOTO, K. KUSAMA, H. SAKAGAMI (Tokyo; Saitama, Japan) .....	55
Comparison of the Effect of Orally Administered Soluble $\beta$ -(1-3),(1-6)-D-Glucan and of G-CSF on the Recovery of Murine Hematopoiesis. U. HARNACK, K. ECKERT, I. FICHTNER, G. PECHER (Berlin, Germany).....	59
Comparison of Lipid Profiles in Relation to APOB EcoRI Polymorphism in Obese Children with Hyperlipidemia. O. TİMİRCİ, F. DARENDELİLER, F. BAS, E.H. ARZU, Z. UMİT, T. İSBİR (Istanbul, Turkey) .....	65
CYP17 (T-34C) and CYP19 (Trp39Arg) Polymorphisms and their Cooperative Effects on Breast Cancer Susceptibility. B.M. TÜZÜNER, T. ÖZTÜRK, H.I. KISAKESEN, Ş. İLVAN, C. ZERRIN, O. ÖZTÜRK, T. İSBİR (Istanbul, Turkey) .....	71
Relationship between Psychoncology and Psychoneuroendocrinoimmunology (PNEI): Enhanced T-Regulatory Lymphocyte Activity in Cancer Patients with Self-punishment, Evaluated by Rorschach Test. G. MESSINA, P. LISSONI, E. BARTOLACELLI, L. MAGOTTI, M. CLERICI, P. MARCHIORI, E. COLOMBO (Milan, Italy).....	75
<i>Clinical Studies</i>	
Treatment of Peritoneal Carcinomatosis from Colonic Cancer by Cytoreduction, Peritonectomy and Hyperthermic Intraperitoneal Chemotherapy (HIPEC). Experience of Ten Years. M. VAIRA, T. CIOPPA, S. D'AMICO, G. DE MARCO, M. D'ALESSANDRO, G. FIORENTINI, M. DE SIMONE (Empoli, Florence, Italy) .....	79
Familial Chronic Lymphocytic Leukemia in Norway and Denmark. Comments on Pleiotropy and Birth Order. V. JØNSSON, G.E. TJØNNFJORD, T.B. JOHANNESSEN, B. LY, J.H. OLSEN, M. YUILLE (Oslo, Norway; Copenhagen, Denmark; Manchester, UK) .....	85
* Review: Radioguided Surgery and Systemic Radionuclide Therapy of Neuroendocrine Tumours. M. HODOLIČ, J. FETTICH, M.C. MARZOLA, E. TONINI, A. AL-NAHHAS, D. RUBELLO (Ljubljana, Slovenia; Rovigo, Italy; London, UK).....	97
CX32 and CX43 Expression to Cytoplasmic Pattern During Colorectal Carcinogenesis. L. KANCZUGA-KODA, M. KODA, S. SULKOWSKI, A. WINCEWICZ, B. ZALEWSKI, M. SULKOWSKA (Bialystok, Poland) .....	101
Synchronous Presentation of GISTs and Other Primary Neoplasms: A Single Center Experience. N. ARNOGIANNAKI, I. MARTZOUKOU, P. KOUNTOURAKIS, E. DIMITRIADIS, A. PAPATHANASAKI, E. NASTOULIS, M. GAZALIDOU, A. FIDA, N. APOSTOLIKAS, N.J. AGNANTIS (Athens; Ioannina, Greece; Houston, TX, USA).....	109
Immune Response Parameters During Labor and Early Neonatal Life. E. PROTONOTARIOU, C. CHRELIAS, D. KASSANOS, H. KAPSAMBELI, T. EFTIHOS, A. SARANDAKOU (Thessaloniki; Athens, Greece).....	117
* Review (page 97)	