

# in vivo

International Journal of Experimental and Clinical Pathophysiology and Drug Research

Volume 20, Number 6B, November-December 2006

## Contents

### *Experimental Studies*

- Whole-body Irradiation and Long-term Modification of Bone Marrow-derived Cell Populations by Low- and High-LET Radiation. D.S. GRIDLEY, M.J. PECAUT (*Loma Linda, CA, USA*)..... 781
- Effect of EGFR Antagonists Gefitinib (Iressa) and C225 (Cetuximab) on MnSOD-Plasmid Liposome Transgene Radiosensitization of a Murine Squamous Cell Carcinoma Cell Line. M.W. EPPERLY, D. FRANICOLA, X. ZHANG, S. NIE, J.S. GREENBERGER (*Pittsburgh, PA, USA*) ..... 791
- Expression of Maspin in Colorectal Cancer. Y. UMEKITA, M. SOUDA, H. YOSHIDA (*Kagoshima, Japan*)..... 797
- Age-related Differences in Repair of Dermal Wounds and Myocardial Infarcts Attenuate During the Later Stages of Healing. M.J. REED, N. KARRES, D. EYMAN, R.B. VERNON, J.M. EDELBERG (*Seattle, WA; New York, NY, USA*)..... 801
- The Infectivity of Sarcoid Clinical Material and its Bacterial Content Inoculated in CBA Mice. J. IKONOMOPOULOS, M. GAZOULI, I. DONTAS, L. SECHI, J.C. LUKAS, C. BALASKAS, V. GORGOULIS, C. KITTAS (*Athens, Greece; Sassari, Italy; Vizcaya, Spain*)..... 807
- Impact of VEGF Expression on the Physiological Characteristics of Clonal Cell Lines. C.M. NORRIS, W. SHI, D.W. SIEMANN (*Gainesville, FL, USA*) ..... 815
- Free Radical Interaction Between Vitamin E (alpha-, beta-, gamma- and delta-tocopherol), Ascorbate and Flavonoids. Y. KADOMA, M. ISHIHARA, N. OKADA, S. FUJISAWA (*Tokyo; Saitama, Japan*) ..... 823
- Effects of Different Durations of Estrogen and Progesterone Treatment on Development of *N*-methyl-*N*-nitrosourea-induced Mammary Carcinomas in Female Lewis Rats. T. YURI, R. TSUKAMOTO, N. UEHARA, Y. MATSUOKA, A. TSUBURA (*Osaka, Japan*) ..... 829
- \* The PTHrP/PTH.1-R Bioregulation System in Cardiac Hypertrophy: Possible Therapeutic Implications. A. HALAPAS, E. DIAMANTI-KANDARAKIS, D. KREMASTINOS, M. KOUTSILIERIS (*Athens, Greece*) .... 837
- Kinetic Radical-scavenging Activity of Platonin, a Cyanine Photosensitizing Dye. M. ISHIHARA, Y. KADOMA, S. FUJISAWA (*Tokyo, Japan*) ..... 845

*Contents continued on the back cover*

Enhancement of Cytotoxic Activity of Sodium Fluoride against Human Periodontal Ligament Fibroblasts by Water Pressure. C.-H. CHIEN, S. OTSUKI, S.A. CHOWDHURY, M. KOBAYASHI, K. TAKAHASHI, Y. KANDA, S. KUNII, H. SAKAGAMI, H. KANEGAE ( <i>Saitama, Japan</i> ).....	849
Immunomodulation Techniques in a Pig-to-Rat Model of Xenoislet Transplantation to Prolong Graft Survival. S.M. VAROTTO, S.M.M. BASSO, M. ERMANI, D. BORDIN, D. PIZZUTI, F. LUMACHI ( <i>Padova, Italy</i> ) .....	857
Effect of Cell Cycle Growth Arrest on Global DNA Methylation Status in Human Lung Epithelial-like (A549) Cells. M.I. PANAYIOTIDIS, R.C. RANCOURT, A. PAPPA, C.W. WHITE ( <i>Denver, CO, USA; Alexandroupolis, Greece</i> ).....	861
Developmental Effects of Ethinylestradiol on Reproductive Organs of Female Mice. A. KIRIGAYA, S. HAYASHI, T. IGUCHI, T. SATO ( <i>Yokohama; Okazaki; Kawaguchi, Japan</i> ).....	867
Effect of Exercise on Oxidative Stress in Individuals with Glucose-6- phosphate Dehydrogenase Deficiency. A.Z. JAMURTAS, I.G. FATOUROS, N. KOUKOSIAS, E. MANTHOU, T. TOFAS, C. YFANTI, M.G. NIKOLAIDIS, Y. KOUTEDAKIS ( <i>Trikala; Komotini; Larissa, Greece; Walshall, UK</i> ) .....	875
Desmopressin Reduces Melanoma Lung Metastasis in Transgenic Mice Overexpressing Tissue Inhibitor of Metalloproteinases-1. G.V. RIPOLL, H.G. FARINA, H. YOSHIJI, D.E. GOMEZ, D.F. ALONSO ( <i>Buenos Aires, Argentina; Nara, Japan</i> ) .....	881
<b>Clinical Studies</b>	
Intima-media Thickness Measurement of the Carotid Artery in Patients with Primary Hyperparathyroidism. A Prospective Case-control Study and Long-term Follow-up. F. LUMACHI, M. ERMANI, M. FREGO, F. PILON, T. FILOSA, L. DI CRISTOFARO, F. DE LOTTO, F. FALLO ( <i>Padova, Italy</i> ) .....	887
Comparison of Lipid and Fatty Acid Metabolism between Minimal Change Nephrotic Syndrome and Membranous Nephropathy. T. FUJITA, N. NAKAMURA, R. KUMASAKA, M. SHIMADA, R. MURAKAMI, H. OSAWA, H. YAMABE, K. OKUMURA ( <i>Hirosaki, Japan</i> ).....	891
Association of Cognitive Impairment with Plasma Levels of Folate, Vitamin B <sub>12</sub> and Homocysteine in the Elderly. N. DIMOPOULOS, C. PIPERI, A. SALONICIOTI, V. PSARRA, F. GAZI, C. NOUNOPOULOS, R.W. LEA, A. KALOFOUTIS ( <i>Athens; Markopoulo; Haidari, Greece; Preston, UK</i> ).....	895
Tissue Polypeptide Specific Antigen and Soluble Fas during Normal Pregnancy and Early Life. E. PROTONOTARIOU, D. RIZOS, A. MALAMITSI-PUCHNER, A. SARANDAKOU, D. BOTSIS ( <i>Athens, Greece</i> ) .....	901
A Giant Sarcoma of the Parotid Gland: A Case Report and Review of the Literature. B. BOTEV, M. CASALE, B. VINCENZI, L. D'ASCANIO, D. SANTINI, V. ESPOSITO, M.P. DI MARINO, A. BALDI, V. RINALDI, G. TONINI, F. SALVINELLI ( <i>Sofia, Bulgaria; Naples, Italy; Silver Spring, MD, USA</i> ) ....	907
Commentary. R. MISKIN ( <i>Rehovot, Israel</i> ). "Tumor Target Organs and Rate of Survival in Long-living Transgenic Mice and their Parental Wild-type Counterparts Exposed to the Carcinogen Dimethylbenz(a)anthracene" by Kossoy George, Herzl Ben-Hur, Ruth Miskin and Isthak Zusman, published in <i>In Vivo 20</i> : 543-548, 2006.....	911
Index <i>In Vivo 20</i> , 2006 .....	913

\* Review (page 837)