

# in vivo

International Journal of Experimental and Clinical Pathophysiology and Drug Research

## Volume 19, Number 6, November-December 2005

### Contents

|  |     |
|--|-----|
| Biological Effects of a Software-controlled Voltage Pulse Generator (PhyBack PBK-2C) on the Release of Vascular Endothelial Growth Factor (VEGF). P. FERRONI, M. ROSELLI, F. GUADAGNI, F. MARTINI, S. MARIOTTI, E. MARCHITELLI, C. CIPRIANI ( <i>Rome, Italy</i> ).....                                      | 949 |
| Comparison of Transforming Growth Factor- $\beta$ /Smad Signaling between Normal Dermal Fibroblasts and Fibroblasts derived from Central and Peripheral Areas of Keloid Lesions. M. TSUJITA-KYUTOKU, N. UEHARA, Y. MATSUOKA, S. KYUTOKU, Y. OGAWA, A. TSUBURA ( <i>Osaka, Japan</i> ).....                   | 959 |
| Protection of Esophageal Multi-lineage Progenitors of Squamous Epithelium (Stem Cells) from Ionizing Irradiation by Manganese Superoxide Dismutase-Plasmid/ Liposome (MnSOD-PL) Gene Therapy. Y.Y. NIU, H. SHEN, M. EPPERLY, X. ZHANG, S. NIE, S. CAO, J.S. GREENBERGER ( <i>Pittsburgh, PA, USA</i> ) ..... | 965 |
| Gastric Duplication Cyst in an Adult: Case Report. M. SCATIZZI, M. CALISTRI, F. FEROCI, L.R. GIRARDI, L. MORALDI, C.A. RUBIO, R. MORETTI, G. NESI ( <i>Florence, Italy; Stockholm, Sweden</i> ).....   | 975 |
| Hidden Chromosome 8 Abnormalities Detected by FISH in Adult Primary Myelodysplastic Syndromes. A.D. PANANI, V. PAPPA ( <i>Athens, Greece</i> ).....  | 979 |
| Diagnostic Accuracy of MRI for Preoperative Staging of Pancreatic Carcinoma: Tendency for Understaging. T.A. BLEY, M. UHL, P. SIMON, J. MAYERLE, N.A. GHANEM, B. GEML, U. SAUERESSIG, M. LANGER ( <i>Feiburg; Greifswald, Germany</i> ).....   | 983 |
| Effects of Probiotic Bacteria (VSL#3) on the Polyamine Biosynthesis and Cell Proliferation of Normal Colonic Mucosa of Rats. M. LINSALATA, F. RUSSO, P. BERLOCO, A.M. VALENTINI, M.L. CARUSO, C. DE SIMONE, M. BARONE, L. POLIMENO, A. DI LEO ( <i>Bari; L'Aquila, Italy</i> ) .....                         | 989 |
| MnSOD-Plasmid Liposome Gene Therapy Decreases Ionizing Irradiation-Induced Lipid Peroxidation of the Esophagus. M.W. EPPERLY, Y.Y. TYURINA, S. NIE, Y.Y. NIU, X. ZHANG, V. KAGAN, J.S. GREENBERGER ( <i>Pittsburgh, PA, USA</i> ).....   | 997 |

Contents continued at the back cover

|  |      |
|--|------|
| Kinetic Study of the Radical-scavenging Activity of Vitamin E and Ubiquinone. S. FUJISAWA, Y. KADOMA ( <i>Saitama; Tokyo, Japan</i> ) .....  | 1005 |
| * Impairments of the 2-5A Synthetase/RNase L Pathway in Chronic Fatigue Syndrome. J. NIJS, K. DE MEIRLEIR ( <i>Brussels; Antwerp, Belgium</i> ) .....  | 1013 |
| Bipolar Radiofrequency Induced Thermotherapeutic Volumetric Reduction of VX2 Metastases in an Animal Model. B. EIVAZI, N. SAPUNDHZIEV, B.J. FOLZ, A.M. SESTERHENN, C.V. DALCHOW, A.A. DÜNNE ( <i>Marburg, Germany; Sofia, Bulgaria</i> ) .....   | 1023 |
| Effects of Coestimide and/or Bofu-tsusho-san on Plasma and Liver Lipids in Mice Fed a High-fat Diet. S. SAKAMOTO, S. TAKESHITA, S. SASSA, S. SUZUKI, Y. ISHIKAWA, H. KUDO ( <i>Tokyo; Saitama, Japan</i> ) .....   | 1029 |
| Increased Plasma Levels of Zinc in Obese Adult Females on a Weightloss Program Based on a Hypocaloric Balanced Diet. Y. ISHIKAWA, H. KUDO, Y. KAGAWA, S. SAKAMOTO ( <i>Tokyo, Japan</i> ) .....  | 1035 |
| Theoretical Prediction of the Relationship between Phenol Function and COX-2 / AP-1 Inhibition for Ferulic Acid-related Compounds. Y. MURAKAMI, S. ITO, T. ATSUMI, S. FUJISAWA ( <i>Saitama; Tokyo, Japan</i> ) .....  | 1039 |
| Targeting the Tumor Vasculature: Enhancing Antitumor Efficacy through Combination Treatment with ZD6126 and ZD6474. W. SHI, D.W. SIEMANN ( <i>Gainesville, FL, USA</i> ).....  | 1045 |
| Spontaneous Intestinal Melanoma in Dogs. E.P. SPUGNINI, E. DRAGONETTI, R. MURACE, R. CASSANDRO, A.M. GROEGER, M. DI MARINO, A. BALDI ( <i>Rome; Milano; Naples, Italy; Silver Spring, MD, USA; Vienna, Austria</i> ).....  | 1051 |
| MRI and Bone Scan Imaging in the Preoperative Evaluation of Painful Vertebral Fractures Treated with Vertebroplasty and Kyphoplasty. S. MASALA, O. SCHILLACI, F. MASSARI, R. DANIELI, A. URSONE, R. FIORI, G. SIMONETTI ( <i>Rome, Italy</i> ) .....   | 1055 |
| Effects of 5-Methoxypsoralen (5-MOP) on Arylamine N-Acetyltransferase Activity in the Stomach and Colon of Rats and Human Stomach and Colon Tumor Cell Lines. Y.-M. LEE, T.-H. WU ( <i>Taichung, Taiwan</i> ) .....  | 1061 |
| Fast Cancer Uptake of <sup>99m</sup> Tc-labelled Bombesin ( <sup>99m</sup> Tc BN1). F. SCOPINARO, G. P. DI SANTO, A. TOFANI, R. MASSARI, C. TROTTA, M. RAGONE, S. ARCHIMANDRITIS, A.D. VARVARIGOU ( <i>Rome, Italy; Athens, Greece</i> ).....  | 1071 |
| Enhancement of the Efficacy of Chemotherapy with Oxaliplatin Plus 5- Fluorouracil by Pretreatment with IL-2 Subcutaneous Immunotherapy in Metastatic Colorectal Cancer Patients with Lymphocytopenia Prior to Therapy. P. LISSONI, F. BRIVIO, L. FUMAGALLI, G. DI FEDE, G. BRERA ( <i>Milan, Italy</i> ) ..... | 1077 |
| Effects of Hormone Replacement Therapy on the Main Fatty Acids of Serum and Phospholipids of Postmenopausal Women. C. PIPERI, M. TZIVRAS, C. KALOFOUTIS, A. SKENDERI, V. MICHALAKI, A. KALOFOUTIS ( <i>Athens, Greece</i> ).....   | 1081 |

|  |      |
|--|------|
| Induction of Apoptosis and Necrosis by Resistance Modifiers Benzazoles and Benzoxazines on Tumour Cell Line Mouse Lymphoma L5718 Mdr+cells. A. VARGA, E. AKI-SENER, I. YALCIN, O. TEMIZ-ARPACI, B. TEKINER-GULBAS, G. CHEREPNEV, J. MOLNAR ( <i>Berlin, Germany; Ankara, Turkey; Szeged, Hungary</i> ) ..... | 1087 |
| Relationship of Nm23 Expression to Proliferation and Prognosis in Malignant Melanomas of the Oral Cavity. M. KORABIOWSKA, J.F. HÖNIG, J. JAWIEN, J. KNAPIK, J. STACHURA, C. CORDON-CARDO, G. FISCHER ( <i>Wilhelmshaven; Göttingen, Germany; Krakow, Poland; New York, NY, USA</i> ).....                    | 1093 |
| Mott Cell (Russell Bodies) Barrett's Oesophagitis. C.A.RUBIO ( <i>Stockholm, Sweden</i> ).....   | 1097 |
| Preliminary Studies on Phenothiazine-mediated Reversal of Multidrug Resistance in Mouse Lymphoma and COLO 320 Cells. B. PAJAK, J. MOLNAR, H. ENGI, A. ORZECZOWSKI ( <i>Warsaw, Poland; Szeged, Hungary</i> ) .....   | 1101 |
| Mucosa-associated Lymphoid Tissue Lymphoma of the Lacrimal Gland – A Case Report. I. ASPROUDIS, S. GOREZIS, G.C. CHARONIS, C. TOLIS, T. ELENA, N.J. AGNANTIS ( <i>Ioannina; Athens, Greece</i> ).....  | 1105 |

\* Review (page 1013)