

in vivo

International Journal of Experimental and Clinical Pathophysiology and Drug Research

Volume 18, Number 2, March-April 2004

Contents

IgM Serum Antibodies to Epstein-Barr Virus are Uniquely Present in a Subset of Patients with the Chronic Fatigue Syndrome. A.M. LERNER, S.H. BEQAJ, R.G. DEETER, J.T. FITZGERALD (<i>Royal Oak; Ann Arbor, MI; Triangle Park, NC, USA</i>).....	101
Changes of Amino Acid Serum Levels in Pediatric Patients with Higher-risk Acute Lymphoblastic Leukemia (CCG-1961). R.S. GRIGORYAN, E.H. PANOSYAN, N.L. SEIBEL, P.S. GAYNON, I. A. AVRAMIS, V.I. AVRAMIS (<i>Los Angeles; Arcadia, CA; Washington, DC, USA</i>)	107
Antisense Therapy Specific to Mutated K-ras Gene in Hamster Pancreatic Cancer Model. Can it Inhibit the Growth of 5-FU and MMC-resistant Metastatic and Remetastatic Cell Lines? C.Y. MORIOKA, S. SAITO, M.C.C. MACHADO, K. OHZAWA, M.S. KUBRUSLY, J.E.M. CUNHA, A. WATANABE (<i>Sao Paulo, Brazil; Toyama, Japan</i>).....	113
Analgesic Effect of Intrathecal Administration of Orexin on Neuropathic Pain in Rats. H. SUYAMA, M. KAWAMOTO, S. SHIRAIISHI, S. GAUS, S. KAJIYAMA, O. YUGE (<i>Hiroshima; Hatsukaichi, Japan</i>)....	119
Acute Effects of Low-frequency Electromagnetic Fields on Leukocyte-endothelial Interactions <i>In Vivo</i> . A. USHIYAMA, C. OHKUBO (<i>Tokyo, Japan</i>)	125
Expression of Multi-drug Resistance Genes (<i>mdr1, mrp1, bcrp</i>) in Primary Oral Squamous Cell Carcinoma. R.E. FRIEDRICH, C. PUNKE, A. REYMANN (<i>Hamburg, Germany</i>).....	133
Percutaneous Kyphoplasty: New Treatment for Painful Vertebral Body Fractures. S. MASALA, A. CESARONI, G. SERGIACOMI, R. FIORI, F. MASSARI, G. MANENTI, P. NARDI, G. SIMONETTI (<i>Rome, Italy</i>).....	149
Expression of Vascular Endothelial Growth Factor (VEGF) and Association with Microvessel Density in Benign Prostatic Hyperplasia and Prostate Cancer. D. STEFANO, A. BATISTATOU, S. KAMINA, E. ARKOUMANI, D.J. PAPACHRISTOU, N.J. AGNANTIS (<i>Ioannina, Greece</i>)	155
A Novel Antioxidant Non-steroidal Anti-inflammatory Agent Protects Rat Liver against Ischemia-Reperfusion Injury. I. LEVENTIS, I. ANDREADOU, A. PAPALOIS, I. SFINIADAKIS, V.G. GORGOLIS, D.P. KORKOLIS, D. HADJIPAVLOU-LITINA, P.N. KOUROUNAKIS, C. FOTIADIS (<i>Athens; Thessaloniki, Greece</i>).....	161

Contents continued at the back cover

Cytotoxicity, Cytoprotection and Neurotoxicity of Novel Deprenyl-related Propargylamines, Stable Nitroxide Free Radicals, <i>In Vitro</i> and <i>In Vivo</i> . M. NAMIECINSKI, L. PULASKI, A. KOCHMAN, J. SKOLIMOWSKI, G. BARTOSZ, D. METODIEWA (<i>Lodz; Wroclaw, Poland</i>).....	171
Biodistribution of Injected Tritiated Hyaluronic Acid in Mice: A Comparison Between Macromolecules and Hyaluronic Acid-derived Oligosaccharides. M.-N. COUREL, C. MAINGONNAT, P. BERTRAND, C. CHAUZY, F. SMADJA-JOFFE, B. DELPECH (<i>Rouen; Paris, France</i>).....	181
Role of p53, CD44V6 and CD57 in Differentiating Between Benign and Malignant Follicular Neoplasms of the Thyroid. A. NASIR, E. CATALANO, S. CALAFATI, A. CANTOR, H.E. KAISER, D. COPPOLA (<i>Tampa; Ocala, FL; Camden, NJ; Silver Spring, MD, USA</i>)	189
The Chronological Appearance of Flat Colonic Neoplasias in Rats. J. SHETYE, C.A. RUBIO (<i>Stockholm, Sweden</i>).....	197
Involvement of IL-6 and IL-6 Receptor in Fibrinogen Synthesis in the Liver of Triton WR-1339-induced Hyperlipidemic Rats. S. OHTA, M. OKAZAKI, M. MARUYAMA, K. OGUCHI (<i>Tokyo, Japan</i>)	203
DNA-Flow Cytometry, DNA-Image Cytometry and Proliferation Index (MIB-5) in Irradiated Rat Salivary Glands and Salivary Gland Tumors. R.E. FRIEDRICH, N. HIEKE, C. STERN, C. LAUTENSCHLÄGER, H.-J. HOLZHAUSEN, J. CASELITZ, S. BARTEL-FRIEDRICH (<i>Hamburg; Halle/S, Germany</i>).....	213
Erianin Induces a JNK/SAPK-dependent Metabolic Inhibition in Human Umbilical Vein Endothelial Cells. Y. GONG, Y. FAN, L. LIU, D. WU, Z. CHANG, Z. WANG (<i>Nanjing; Shanghai, China</i>).....	223
Non-invasive Diagnostic and Functional Evaluation of Cardiac and Pulmonary Involvement in Systemic Sclerosis. G. SERGIACOMI, D. DE NARDO, A. CAPRIA, G. MANENTI, S. FABIANO, M. BORZI, G. DE SANCTIS, D. KONDA, M. SPERANDIO, O. SCHILLACI, S. MASALA, G. SIMONETTI, L. FONTANA (<i>Rome, Italy</i>)	229
Modulation of Multidrug Resistance and Apoptosis of Cancer Cells by Selected Carotenoids. J. MOLNAR, N. GYÉMANT, I. MUCSI, A. MOLNAR, M. SZABO, T. KÖRTVÉLYESI, A. VARGA, P. MOLNAR, G. ToTH (<i>Szeged; Pecs, Hungary; Berlin, Germany</i>)	237