

# in vivo

**International Journal of Experimental and Clinical Pathophysiology and Drug Research**

**Volume 21, Number 1, January-February 2007**

## Contents

### *Experimental Studies*

The Effects of Linking Substituents on the <i>In Vivo</i> Behavior of Site-directed, Peptide-based, Diagnostic Radiopharmaceuticals. A.F. PRASANPHANICH, S. R. LANE, S.D. FIGUEROA, L. MA, T.L. ROLD, G.L. SIECKMAN, T.J. HOFFMAN, J.M. MCCRATE, C.J. SMITH ( <i>Columbia, MO, USA</i> ) .....	1
Minimal Size MIDGE Vectors Improve Transgene Expression <i>In Vivo</i> . F. SCHAKOWSKI, M. GORSCHLÜTER, P. BUTTGEREIT, A. MÄRTEN, M.V. LILIENFELD-TOAL, C. JUNGHANS, M. SCHROFF, S.A. KÖNIG-MEREDIZ, C. ZISKE, J. STREHL, T. SAUERBRUCH, B. WITTIG, I.G.H. SCHMIDT-WOLF ( <i>Bonn; Berlin, Germany</i> ).....	17
Regulation of <i>Candida albicans</i> Morphogenesis by Tumor Necrosis Factor-alpha and Potential for Treatment of Oral Candidiasis. H. OHTA, T. TANIMOTO, M. TANIAI, M. TANIGUCHI, T. ARIYASU, S. ARAI, T. OHTA, S. FUKUDA ( <i>Okayama, Japan</i> ) .....	25
Correlation Between Duration of Courtship and Litter Size in Outbred NMRI Mice. A.R. HAU, J. HAU ( <i>Copenhagen, Denmark</i> ).....	33
Cyclooxygenase-2 (COX-2) Expression in Human Endometrial Carcinoma and Precursor Lesions and its Possible Use in Cancer Chemoprevention and Therapy. A. NASIR, D. BOULWARE, H.E. KAISER, J.M. LANCASTER, D. COPPOLA, P.V. SMITH, A. HAKAM, S.E. SIEGEL, B. BODEY ( <i>Tampa, FL; Silver Spring, MD; Los Angeles, CA, USA</i> ) .....	35
* The Role of the Insulin-like Growth Factor 1 (IGF-1) in Skeletal Muscle Physiology. A. PHILIPPOU, M. MARIDAKI, A. HALAPAS, M. KOUTSILERIS ( <i>Athens, Greece</i> ).....	45
Comparison of Immediate and Delayed Implantation Using the Square-threaded and Resorbable-blasted-media-treated Surface Implant System. J.-H. KIM, T.-S. HAN, K. CHO, S.S. KANG, G. KIM, S.H. CHOI ( <i>Chungbuk; Gwangju, South Korea</i> ) .....	55
Wavelet Analysis of the Effects of Static Magnetic Field on Skin Blood Flowmotion: Investigation Using an <i>In Vivo</i> Rat Model. Z. LI, E.W.C. TAM, A.F.T. MAK, R.Y.C. LAU ( <i>Hong Kong SAR, China</i> ) .....	61

*Contents continued at the back cover*

Implants of Type I Collagen Gel Containing MG-63 Osteoblast-like Cells Can Act as Stable Scaffolds Stimulating the Bone Healing Process at the Sites of the Surgically-produced Segmental Diaphyseal Defects in Male Rabbits. G.S. THEMISTOCLEOUS, H.A. KATOPODIS, L. KHALDI, A. PAPALOIS, C. DOILLON, A. SOURLA, P.N. SOUCACOS, M. KOUTSILIERIS ( <i>Athens; Larissa, Greece; Québec, QC, Canada</i> ).....	69
Fatty Acid Composition of Plasma and Kidney in Rats with Anti-Thy1.1 Nephritis. R. KUMASAKA, N. NAKAMURA, H. YAMABE, H. OSAWA, K.-I. SHIRATO, M. SHIMADA, R. MURAKAMI, T. FUJITA, K. OKUMURA, K. HAMAZAKI, T. HAMAZAKI ( <i>Amori; Toyama, Japan</i> ).....	77
Endotoxin Augments Hemodynamic and Metabolic Effects of Formyl-Methionyl-Leucyl-Phenylalanine (FMLP) in Rabbits. M. TZANELA, S. ORFANOS, J.R. MCCORMICK ( <i>Augusta, GA, USA; Haidari, Greece</i> ) .....	81
The Effect of Aspartame Administration on Oncogene and Suppressor Gene Expressions. K. GOMBOS, T. VARJAS, Z. ORSÓS, É. POLYÁK, J. PEREDI, Z. VARGA, G. NOWRASTEH, A. TETTINGER, G. MUCSI, I. EMBER ( <i>Pécs; Budapest; Békéscsaba, Hungary</i> ).....	89
<b>Clinical Studies</b>	
Comparison of Pain Quality Descriptors in Cancer Patients with Nociceptive and Neuropathic Pain. K. MYSTAKIDOU, E. PARPA, E. TSILIKI, M. PATHIAKI, A. GALANOS, L. VLAHOS ( <i>Athens, Greece</i> ).....	93
Detecting Changes in Quality of Life and Psychiatric Symptomatology Following an In-patient Detoxification Programme for Alcohol-dependent Individuals: the Use of WHOQOL-100. M. GINIERI-COCOSSIS, I.A. LIAPPAS, E. TZAVELLAS, E. TRIANTAFILLOU, C. SOLDATOS ( <i>Athens, Greece</i> ) .....	99
<i>Chlamydia trachomatis</i> C-complex Serovars are a Risk Factor for Preterm Birth. S. HOLLEGAARD, I. VOGEL, P. THORSEN, I.P. JENSEN, C.-H. MORDHORST, B. JEUNE ( <i>Aarhus; Copenhagen; Odense, Denmark</i> ) .....	107
Bcl-2, Bax and p53 Expression in Rectal Adenocarcinoma. Correlation with Classic Pathologic Prognostic Factors and Patients' Outcome. A.C. TSAMANDAS, D. KARDAMAKIS, T. PETSAS, H. KALOFONOS, C.E. VAGIANOS, C.D. SCOPA ( <i>Patras, Greece</i> ) .....	113
Immunohistochemistry and Differential Diagnosis of a Solitary Flat Laryngeal Xanthoma: A Case Report. G. PERRONE, M. ZAGAMI, M. CASALE, F. SALVINELLI, S. MORINI, C. RABITTI ( <i>Rome, Italy</i> ).....	119
Increased Bax/Bcl-2 Ratio Up-regulates Caspase-3 and Increases Apoptosis in the Thymus of Patients with Myasthenia Gravis. S. SALAKOU, D. KARDAMAKIS, A.C. TSAMANDAS, V. ZOLOTA, E. APOSTOLAKIS, V. TZELEPI, P. PAPATHANASOPOULOS, D.S. BONIKOS, T. PAPAPETROPOULOS, T. PETSAS, D. DOUGENIS ( <i>Patras, Greece</i> ) .....	123
Report of Two Cases of Endobronchial Metastases Secondary to Colorectal Cancer. A. CHARPIDOU, M. FOTINU, C. ALAMARA, P. KALKANDI, D. TINIAKOU, K. ALEXOPOULOU, M. MERIKAS, K.N. SYRIGOS ( <i>Athens, Greece</i> ).....	133
Divided Nevus of the Eyelids: Three Case Studies. C. ALFANO, S. CHIUMMARIELLO, F. DE GADO, P. FIORAMONTI, G. BISTONI, N. SCUDERI ( <i>Perugia; Rome, Italy</i> ).....	137

\* Review (page 45)