

in vivo

International Journal of Experimental and Clinical Pathophysiology and Drug Research

Volume 22, Number 2, March-April 2008

Contents

Experimental Studies

- Variable Hematopoietic Responses to Acute Photons, Protons and Simulated Solar Particle Event Protons. D.S. GRIDLEY, A. RIZVI, X. LUO-OWEN, A.Y. MAKINDE, G.B. COUTRAKON, P. KOSS, J.M. SLATER, M.J. PECAUT (*Loma Linda, CA, USA*) 159
- Immunization with a Tissue Vaccine Enhances the Effect of Irradiation on Prostate Tumors. M.A. SUCKOW, J. WHEELER, W.R. WOLTER, V. SAILES, M. YAN (*Notre Dame; Goshen, IN, USA*) 171
- Studies on the Adaptive Response in Mouse Female Germ Cells X-Irradiated *In Vitro* at Two Different Stages of Maturation. P. JACQUET, J. BUSET, M. NEEFS, J. VANKERKOM (*Mol, Belgium*) 179
- Investigation of ABCA1 C69T and G-191C Polymorphisms in Coronary Artery Disease. A. ERGEN, S. ISBIR, A. TEKELI, T. ISBIR (*Istanbul, Turkey*) 187
- * Estrogen and Progesterone Treatment Mimicking Pregnancy for Protection from Breast Cancer. A. TSUBURA, N. UEHARA, Y. MATSUOKA, K. YOSHIZAWA, T. YURI (*Osaka, Japan*) 191
- Development of Foreign Body Giant Cells in Response to Implantation of Spongostan® as a Scaffold for Cartilage Tissue Engineering. M. CEGIELSKI, I. IZYKOWSKA, M. PODHORSKA-OKOLOW, M. ZABEL, P. DZIEGIEL (*Wroclaw; Poznan, Poland*) 203
- Effects of Neonatally Administered Low-dose Diethylstilbestrol on the Induction of Mammary Carcinomas and Dysplasias Induced by 7,12-Dimethylbenz[*a*]anthracene in Female Rats. T. YOSHIKAWA, H. KAWAGUCHI, Y. UMEKITA, M. SOUDA, K. GEJIMA, H. KAWASHIMA, R. NAGATA, H. YOSHIDA (*Kagoshima, Japan*) 207
- Gypenosides Induced G0/G1 Arrest via Inhibition of Cyclin E and Induction of Apoptosis via Activation of Caspases-3 and -9 in Human Lung Cancer A-549 Cells. H.-F. LU, Y.-S. CHEN, J.-S. YANG, J.-C. CHEN, K.-W. LU, T.-H. CHU, K.-C. LIU, C.-C. YEH, G.-W. CHEN, H.-J. LIN, J.-G. CHUNG (*Taipei; Taichung; Kaohsiung, Taiwan, ROC*) 215

Contents continued on the back cover

Berberine Induced Down-regulation of Matrix Metalloproteinase-1, -2 and -9 in Human Gastric Cancer Cells (SNU-5) *In Vitro*. J.-P. LIN, J.-S. YANG, C.-C. WU, S.-S. LIN, W.-T. HSIEH, F.-S. YU, C.-S. YU, G.-W. CHEN, Y.-H. CHANG, J.-G. CHUNG (Taichung; Kaohsiung, Taiwan, ROC)..... 223

Effect of Bone Mineral with or without Collagen Membrane in Ridge Dehiscence Defects Following Premolar Extraction. M. KIM, J.-H. KIM, J.Y. LEE, K. CHO, S.S. KANG, G. KIM, M.J. LEE, S.H. CHOI (Cheongju; Yangju; Gwangju; Chunchon, South Korea)..... 231

The Role of Mitochondria in Bee Venom-induced Apoptosis in Human Breast Cancer MCF7 Cells. S.-W. IP, S.-S. LIAO, S.-Y. LIN, J.-P. LIN, J.-S. YANG, M.-L. LIN, G.-W. CHEN, H.-F. LU, M.-W. LIN, S.-M. HAN, J.-G. CHUNG (Taichung; Kaohsiung; Taipei, Taiwan, ROC; Suwon, South Korea)..... 237

Recombinant Leptin Administration Improves Early Angiogenesis in Full-thickness Skin Flaps: An Experimental Study. I.E. LIAPAKIS, S. ANAGNOSTOULIS, A. KARAYIANNAKIS, D.P. KORKOLIS, M. LAMBROPOULOU, E. ARNAUD, C.E. SIMOPOULOS (Athens; Alexandroupolis, Greece; Paris, France)..... 247

Clinical Studies

Analysis of Cytokine Levels in Human Lymphangiomas. S. WIEGAND, B. EIVAZI, S. SEL, H. RENZ, J.A. WERNER, B.J. FOLZ (Marburg; Bad Lippspringe, Germany) 253

Efficacy of Cancer Chemotherapy in Relation to Synchronization of Cortisol Rhythm, Immune Status and Psychospiritual Profile in Metastatic Non-small Cell Lung Cancer. P. LISSONI, G. MESSINA, A. BALESTRA, M. COLCIAGO, F. BRIVIO, L. FUMAGALLI, G. FUMAGALLI, D. PAROLINI (Monza; Milan, Italy) 257

* Control of Interstitial Pneumonia by Drip Infusion of Megadose Vitamin C, Dehydroepiandrosterone and Cortisol. A Short Review of our Experience. M. KODAMA, A. OYAMA, H. TAKAGI (Nagoya, Japan)..... 263

Chronic Cholecystitis in Elderly Patients. Correlation of the Severity of Inflammation with the Number and Size of the Stones. P.J. DOMEYER, T.N. SERGENTANIS, F. ZAGOURI, B. TZILALIS, E. MOUZAKIOTI, A. PARASI, A. NONNI, A. MARIOLIS, G. ANDROULAKIS, G.C. ZOGRAFOS (Athens, Greece) 269

* Reviews (pages 191, 263)