

ANTICANCER RESEARCH

International Journal of Cancer Research and Treatment

ISSN: 0250-7005

Volume 32, Number 12, December 2012

Contents

Reviews

- HSP-Molecular Chaperones in Cancer Biogenesis and Tumor Therapy: An Overview. F. RAPPA, F. FARINA, G. ZUMMO, S. DAVID, C. CAMPANELLA, F. CARINI, G. TOMASELLO, P. DAMIANI, F. CAPPELLO, E.C. DE MACARIO, A.J.L. MACARIO (*Palermo, Italy; Baltimore, MD, USA*) 5139

Experimental Studies

- Loss of Mesothelin Expression by Mesothelioma Cells Grown *In Vitro* Determines Sensitivity to Anti-Mesothelin Immunotoxin SS1P. J. ZHANG, S. QIU, Y. ZHANG, M. MERINO, P. FETSCH, I. AVITAL, A. FILIE, I. PASTAN, R. HASSAN (*Bethesda, MD, USA*) 5151
- Synergistic Anticancer Activity of Thiazolo[5,4-*b*]quinoline Derivative D3CLP in Combination with Cisplatin in Human Cervical Cancer Cells. I. GONZÁLEZ-SÁNCHEZ, A. LIRA-ROCHA, A. NAVARRETE, M.A. LOZAMEJÍA, C. CORONEL-CRUZ, C.A. MENDOZA-RODRÍGUEZ, M.A. CERBÓN (*Mexico, DF, Mexico*)..... 5159
- Intraperitoneal Use of Doxorubicin Drug-eluting Beads in Sheep: A Pilot Safety Study. S. BINDER, A.L. LEWIS, R. JESENOFSKY, M. NEUMAIER, E. JÄGER, P. STRÖBEL, J.-M. LÖHR, M. KEESE (*Farnham, Surrey, UK; Mannheim; Frankfurt, Germany; Stockholm, Sweden*) 5167
- DUOX Enzyme Activity Promotes AKT Signalling in Prostate Cancer Cells. C.A. PETTIGREW, J.S. CLERKIN, T.G. COTTER (*Cork, Ireland*) 5175
- Liver-metastatic Potential of Colorectal Cancer Is Related to the Stromal Composition of the Tumour. H. NYSTRÖM, P. NAREDI, A. BERGLUND, R. PALMQVIST, B. TAVELIN, M. SUND (*Umeå, Sweden*) 5183

Contents continued on the back cover

Bevacizumab Impairs Hepatocyte Proliferation after Partial Hepatectomy in a Rabbit Model. A. DUPRE, A. PARADISI, S. LANGONNET, A. GANDINI, P. MEHLEN, M. RIVOIRE (<i>Lyon, France</i>).....	5193
Recognition of a Natural WT1 Epitope by a Modified WT1 Peptide-specific T-Cell Receptor. T. TAMANAKA, Y. OKA, F. FUJIKI, A. TSUBOI, A. KATSUHARA, H. NAKAJIMA, N. HOSEN, S. NISHIDA, Y.-H. LIN, S. TACHINO, Y. AKATSUKA, K. KUZUSHIMA, Y. OJI, A. KUMANOGOH, H. SUGIYAMA (<i>Osaka; Toyoake; Nagoya, Japan</i>).....	5201
Overexpression of CD9 in Human Breast Cancer Cells Promotes the Development of Bone Metastases. P. KISCHEL, A. BELLAHCENE, B. DEUX, V. LAMOUR, R. DOBSON, E. DE PAUW, P. CLEZARDIN, V. CASTRONOVO (<i>Liège, Belgium; Lyon, France</i>)	5211
Computer-assisted Diagnosis (CAD) in Colposcopy: Evaluation of a Pilot Study. G. MEHLHORN, A. KAGE, C. MÜNZENMAYER, M. BENZ, M.C. KOCH, M.W. BECKMANN, T. WITTENBERG (<i>Erlangen, Germany</i>)	5221
Immunohistochemical Expression and Prognostic Significance of HIF-1 α and VEGF-C in Neuroendocrine Breast Cancer. I. MARTON, F. KNEŽEVIĆ, S. RAMIĆ, M. MILOŠEVIĆ, D. TOMAS (<i>Zagreb, Croatia</i>)	5227
Macrophage Migration-inhibitory Factor Levels in Serum of Patients with Ovarian Cancer Correlates with Poor Prognosis. M. KROCKENBERGER, P. KRANKE, S. HÄUSLER, J.B. ENGEL, E. HORN, K. NÜRNBERGER, J. WISCHHUSEN, J. DIETL, A. HÖNIG (<i>Würzburg; Regensburg, Germany</i>)	5233
Relationship between Structure and Antiproliferative Activity of Polymethoxyflavones towards HL60 Cells. S. KAWAI, T. IKUINA, T. HIKIMA, T. TOKIWANO, Y. YOSHIZAWA (<i>Saitama; Akita, Japan</i>)	5239
Expression of E-Cadherin and α -Catenin in T1 N0 Laryngeal Cancer. E. CARICO, M. RADICI, N.S. LOSITO, S. RAFFA, L. FIRRISI, A. FABIANO, M. MANOLA, A. VECCHIONE, M.R. GIOVAGNOLI (<i>Rome; Naples, Italy</i>).....	5245
Gefitinib and Gemcitabine Coordinately Inhibited the Proliferation of Cholangiocarcinoma Cells. Y. NAKAJIMA, H. TAKAGI, S. KAKIZAKI, N. HORIGUCHI, K. SATO, N. SUNAGA, M. MORI (<i>Gunma, Japan</i>).....	5251
Antitumoral Efficacy of Four Histone Deacetylase Inhibitors in Hepatoma <i>In Vitro</i> and <i>In Vivo</i> . M. GANSLMAYER, P. KONTUREK, C. HEROLD, M.F. NEURATH, S. ZOPF (<i>Erlangen; Saalfeld, Germany</i>)	5263
Effects of Structural Modifications of Daunorubicin on <i>In Vitro</i> Antileukemic Activity. M. STOJAK, L. MAZUR, M. OPYDO-CHANEK, M. ŁUKAWSKA, I. OSZCZAPOWICZ (<i>Cracow; Warsaw, Poland</i>).....	5271
Effects of Voltage-gated K ⁺ Channel Blockers in Gefitinib-resistant H460 Non-small Cell Lung Cancer Cells. W.I. JEON, P.D. RYU, S.Y. LEE (<i>Seoul, South Korea</i>).....	5279
The Effect of High-intensity Focused Ultrasound in Combination with Cisplatin Using a Xenograft Model of Cervical Cancer. Y.-Y. LEE, Y.J. CHO, J.-J. CHOI, C.H. CHOI, T.-J. KIM, B.-G. KIM, D.-S. BAE, Y.-S. KIM, J.-W. LEE (<i>Seoul, South Korea</i>)	5285
Therapeutic Radiation Induces Different Changes in Expression Profiles of Metallothionein (MT) mRNA, MT Protein, Ki 67 and Minichromosome Maintenance Protein 3 in Human Rectal Adenocarcinoma. J. SZELACHOWSKA, P. DZIEGIEL, R. TARKOWSKI, A. GOMULKIEWICZ, M. BEBENEK, A. HALON, K. FORTUNA, A. WOJNAR, J. KORNAFEL, R. MATKOWSKI (<i>Wroclaw, Poland</i>).....	5291
Expression of mRNAs of Urocortin and Corticotropin-releasing Factor Receptors in Malignant Glioma Cell Lines. M. KAMADA, K. IKEDA, K. FUJIOKA, N. AKIYAMA, K. AKIYOSHI, Y. INOUE, S. HANADA, K. YAMAMOTO, K. TOJO, Y. MANOME (<i>Tokyo, Japan</i>)	5299

Detection of Numerical Abnormalities of Chromosome 9 and p16/CDKN2A Gene Alterations in Ovarian Cancer with Fish Analysis. C. ARAVIDIS, A.D. PANANI, Z. KOSMAIDOU, N. THOMAKOS, A. RODOLAKIS, A. ANTSAKLIS (<i>Athens, Greece</i>)	5309
Intratumoral ²²⁴ Ra-Loaded Wires Spread Alpha-Emitters Inside Solid Human Tumors in Athymic Mice Achieving Tumor Control. T. COOKS, M. TAL, S. RAAB, M. EFRATI, S. REITKOPF, E. LAZAROV, R. ETZYONI, M. SCHMIDT, L. ARAZI, I. KELSON, Y. KEISARI (<i>Tel Aviv, Israel</i>)	5315
Effects of Bicalutamide and 4OH-Tamoxifen on Androgen-regulated Gene Expression in the LNCaP Cell Line. R. MANGERINI, F. ARGELLATI, U. PFEFFER, F. BOCCARDO (<i>Genoa, Italy</i>)	5323
Studies on the Activity of Two <i>Trans</i> -Planar Platinum(II) Complexes Coded as DH4 and DH5 in Human Ovarian Tumour Models. N. DEQNAH, J.Q. YU, P. BEALE, F. HUQ (<i>Sydney; Concord, NSW, Australia</i>)	5331
Curcumin Resistance Induced by Hypoxia in HepG2 Cells Is Mediated by Multidrug-resistance-associated Proteins. T. SAKULTERDKIAT, C. SRISOMSAP, R. UDOMSANGPETCH, J. SVASTI, K. LIRDPRAPAMONGKOL (<i>Bangkok, Thailand</i>)	5337
Artonin E Mediates MCL1 Down-regulation and Sensitizes Lung Cancer Cells to Anoikis. E. WONGPANKAM, P. CHUNHACHA, V. PONGRAKHANANON, B. SRITULARAK, P. CHANVORACHOTE (<i>Bangkok, Thailand</i>).....	5343
Induction of Apoptosis of SW480 Human Colon Cancer Cells by (-)-Epicatechin Isolated from <i>Bulnesia sarmienti</i> . D. KIM, M.L. MOLLAH, K. KIM (<i>Daegu, Republic of Korea; Selangor, Malaysia</i>).....	5353
Suppressive Effects of Cyclophosphamide and Gemcitabine on Regulatory T-Cell Induction <i>In Vitro</i> . S. KAN, S. HAZAMA, K. MAEDA, Y. INOUE, S. HOMMA, S. KOIDO, M. OKAMOTO, M. OKA (<i>Yamaguchi; Tokyo, Japan</i>)	5363
Antiproliferative, Antioxidant and Anti-inflammatory Effects of Hydroxytyrosol on Human Hepatoma HepG2 and Hep3B Cell Lines. V. TUTINO, M.G. CARUSO, C. MESSA, E. PERRI, M. NOTARNICOLA (<i>Bari; Rende, Italy</i>)	5371
Gut Fermentation Products of Inulin-type Fructans Modulate the Expression of Xenobiotic-metabolising Enzymes in Human Colonic Tumour Cells. U. MUNJAL, D. SCHARLAU, M. GLEI (<i>Jena, Germany</i>)	5379
Quantification of Breast Cancer Cells in Peripheral Blood Samples by Real-Time RT-PCR. M. ZEBISCH, A.C. KÖLBL, C. SCHINDLBECK, J. NEUGEBAUER, S. HEUBLEIN, M. ILMER, B. RACK, K. FRIESE, U. JESCHKE, U. ANDERGASSEN (<i>Munich; Traunstein, Germany; Houston, TX, USA</i>)	5387
<i>Clinical Studies</i>	
Pemetrexed plus Carboplatin or Cisplatin as Neoadjuvant Treatment of Operable Malignant Pleural Mesothelioma (MPM). G. PASELLO, G. MARULLI, V. POLO, C. BREDA, L. BONANNO, L. LOREGGIAN, F. REA, A. FAVARETTO (<i>Padua, Italy</i>).....	5393
Phase I Study of Combination Chemotherapy Consisting of Paclitaxel, Cisplatin, and S-1 in Patients with Unresectable Gastric Cancer (KOGC-02). T. TAKAHASHI, Y. SAIKAWA, K. FUKUDA, S. FUNAKOSHI, H. KAWAKUBO, H. TAKEUCHI, H. TAKAISHI, Y. KITAGAWA (<i>Tokyo, Japan</i>)	5401
Evaluation of 5-FU Plasma Concentration by ¹³ C Breath Test in Patients Treated with Oral 5-FU Analogs. M. HIGASHIDA, H. MATSUMOTO, H. KUBOTA, H. MURAKAMI, Y. KAWABE, H. NAKASHIMA, Y. OKA, H. OKUMURA, M. NAKAMURA, T. HIRAI (<i>Okayama, Japan</i>)	5407

Effect of Menatetrenone, a Vitamin K ₂ Analog, on Recurrence of Hepatocellular Carcinoma after Surgical Resection: A Prospective Randomized Controlled Trial. M. ISHIZUKA, K. KUBOTA, M. SHIMODA, J. KITA, M. KATO, K.H. PARK, T. SHIRAKI (<i>Tochigi, Japan</i>)	5415
Staging Fluorescence Laparoscopy for Gastric Cancer by Using 5-Aminolevulinic Acid. Y. MURAYAMA, D. ICHIKAWA, N. KOIZUMI, S. KOMATSU, A. SHIOZAKI, Y. KURIU, H. IKOMA, T. KUBOTA, M. NAKANISHI, Y. HARADA, H. FUJIWARA, K. OKAMOTO, T. OCHIAI, Y. KOKUBA, T. TAKAMATSU, E. OTSUJI (<i>Kyoto, Japan</i>).....	5421
Low-grade Central Osteosarcoma of the Metatarsal Bone: A Clinicopathological, Immunohistochemical, Cytogenetic and Molecular Cytogenetic Analysis. J. NISHIO, H. IWASAKI, S. TAKAGI, H. SEO, M. AOKI, K. NABESHIMA, M. NAITO (<i>Fukuoka, Japan</i>)	5429
Daily 500 mg Valacyclovir Is Effective for Prevention of Varicella Zoster Virus Reactivation in Patients with Multiple Myeloma Treated with Bortezomib. T. FUKUSHIMA, T. SATO, T. NAKAMURA, H. IWAO, A. NAKAJIMA, M. MIKI, T. SAKAI, T. KAWANAMI, T. SAWAKI, Y. FUJITA, M. TANAKA, Y. MASAKI, T. OKAZAKI, H. NAKAJIMA, Y. MOTOO, H. UMEHARA (<i>Ishikawa, Japan</i>)	5437
Atypical Hyperplasia of the Breast: The Black Hole of Routine Breast Cancer Screening. E. PICOULEAU, M. DENIS, V. LAVOUE, P. TAS, H. MESBAH, P. POREE, J. LEVEQUE, K. MORCEL (<i>Rennes, France</i>)	5441
Prognostic Value of Serum CA9 in Patients with Metastatic Clear Cell Renal Cell Carcinoma under Targeted Therapy. M. GIGANTE, G. LI, C. FERLAY, D. PEROL, E. BLANC, S. PAUL, A. ZHAO, J. TOSTAIN, B. ESCUDIER, S. NEGRIER, C. GENIN (<i>Saint-Etienne; Lyon; Villejuif, France</i>).....	5447
Treatment of Hepatic Metastases from Gastric or Gastroesophageal Adenocarcinoma with Computed Tomography-guided High-dose-rate Brachytherapy (CT-HDRBT). D. GEISEL, T. DENECKE, F. COLLETTINI, C. GRIESER, P. WUST, P. THUSS-PATIENCE, B. HAMM, B. GEBAUER (<i>Berlin, Germany</i>).....	5453
Nationwide Survey of Use of Vacuum-assisted Breast Biopsy in South Korea. H.-L. PARK, S.Y. MIN, S.-H. KWON, J.-Y. SONG, H. SHIN, S.-J. NAM, J.-H. YANG, KOREAN BREAST CANCER SOCIETY MEMBERS (<i>Seoul; Goyang, South Korea</i>).....	5459
Review on the Annual Cancer Risk of Barrett's Esophagus in Persons with Symptoms of Gastroesophageal Reflux Disease. J. LENGlinger, M. RIEGLER, E. COSENTINI, R. ASARI, I. MESTERI, F. WRBA, S.F. SCHOPPMANN (<i>Vienna, Austria</i>)	5465
Evaluation of the Safety and Efficacy of Combination Chemotherapy with Vinorelbine and Platinum Agents for Patients with Non-small Cell Lung Cancer with Interstitial Lung Disease. K. OKUDA, T. HIROSE, Y. OKI, Y. MURATA, S. KUSUMOTO, T. SUGIYAMA, H. ISHIDA, T. SHIRAI, M. NAKASHIMA, T. YAMAOKA, T. OHNISHI, T. OHMORI (<i>Tokyo, Japan</i>)	5475
Adverse Pathological Findings in Needle Biopsy Gleason Score 6 Prostate Cancers with Low and Intermediate Preoperative PSA Levels Following Radical Prostatectomy. I. HEIDEGGER, M. LADURNER, V. SKRADSKI, H. KLOCKER, G. SCHÄFER, W. HORNINGER, J. BEKTIC (<i>Innsbruck, Austria</i>).....	5481
Hepatic Arterial Infusion of Irinotecan, 5-Fluorouracil and Leucovorin in Patients with Liver Metastases from Colorectal Carcinoma. B. MELICHAR, Z. VOBOŘIL, A. KRAJINA, E. MALNŘOVA, P. WEINER, M. NOVÁ, A. RYŠKA, J. DVOŘAK (<i>Olomouc; Hradec Králové; Jindřichův Hradec, Czech Republic</i>)	5487
Comparison of Prognostic Value of <i>In Vitro</i> Drug Resistance and Bone Marrow Residual Disease on Day 15 of Therapy in Childhood Acute Lymphoblastic Leukemia. J. STYCZYNSKI, M. PIATKOWSKA, A. JAWORSKA-POSADZY, K. CZYZEWSKI, M. KUBICKA, B. KOŁODZIEJ, B. KURYLO-RAFINSKA, R. DEBSKI, M. POGORZALA, M. WYSOCKI (<i>Bydgoszcz, Poland</i>)	5495

Bevacizumab plus Docetaxel and Cisplatin for Metastatic Breast Cancer: A Pilot Phase II Study. C.-J. TAI, C.-S. CHEN, C.-S. HUNG, L.-J. KUO, P.-L. WEI, J.-F. CHIOU, C.-H. HSU, H.-Y. CHIOU, C.-H. WU (Taipei; Taiwan, ROC).....	5501
Expression Analysis of iPS Cell – Inductive Genes in Esophageal Squamous Cell Carcinoma by Tissue Microarray. Y. SHIMADA, T. OKUMURA, S. SEKINE, M. MORIYAMA, S. SAWADA, K. MATSUI, I. YOSHIOKA, S. HOJO, T. YOSHIDA, T. NAGATA, J. FUKUOKA, K. TSUKADA (Toyama, Japan)	5507
Distance to the Neurooncological Center: A Negative Prognostic Factor in Patients with Glioblastoma Multiforme. An Epidemiological Study. J. KERSCHBAUMER, C.F. FREYSCHLAG, R. BAUER, A.A. OBWEGESER, G.A. SCHUBERT, C. THOMÉ, M. SEIZ (Innsbruck; Feldkirch, Austria)	5515
Successful Rechallenge for Oxaliplatin Hypersensitivity Reactions in Patients with Metastatic Colorectal Cancer. T. YANAI, S. IWASA, H. HASHIMOTO, K. KATO, T. HAMAGUCHI, Y. YAMADA, Y. SHIMADA, H. YAMAMOTO (Tokyo, Japan)	5521
Comparison of Two Different Conditioning Regimens Before Autologous Transplantation for Children with High-Risk Neuroblastoma. M.A. DE IORIS, B. CONTOLI, A. JENKNER, M.D. DE PASQUALE, A. SERRA, L. DE SIO, R. PESSOLANO, M.C. GARGANESE, A. CROCOLI, T. CORNELI, R. BOLDRINI, A. CASTELLANO (Rome, Italy)	5527
Book Reviews	5535
Announcements	5541
Index	5543
Review (page 5139)	