

ANTICANCER RESEARCH

International Journal of Cancer Research and Treatment

ISSN: 0250-7005

Volume 32, Number 4, April 2012

Contents

Experimental Studies

* Review: Multiple Associations Between a Broad Spectrum of Autoimmune Diseases, Chronic Inflammatory Diseases and Cancer. A.L. FRANKS, J.E. SLANSKY (<i>Aurora, CO, USA</i>)	1119
Varicella Zoster Virus Infection of Malignant Glioma Cell Cultures: A New Candidate for Oncolytic Virotherapy? H. LESKE, R. HAASE, F. RESTLE, C. SCHICHOR, V. ALBRECHT, M.G. VIZOSO PINTO, J.C. TONN, A. BAIKER, N. THON (<i>Munich; Oberschleissheim, Germany; Zurich, Switzerland</i>)	1137
Correlation between Adenovirus-neutralizing Antibody Titer and Adenovirus Vector-mediated Transduction Efficiency Following Intratumoral Injection. K. TOMITA, F. SAKURAI, M. TACHIBANA, H. MIZUGUCHI (<i>Osaka, Japan</i>)	1145
Reduction of Tumorigenicity by Placental Extracts. A.M. MARLEAU, G. MCDONALD, J. KOROPATNICK, C.-S. CHEN, D. KOOS (<i>Huntington Beach; Santa Barbara; Loma Linda; San Diego, CA, USA; London, ON, Canada</i>)	1153
Stem Cell Markers as Predictors of Oral Cancer Invasion. A. SIU, C. LEE, D. DANG, C. LEE, D.M. RAMOS (<i>San Francisco, CA, USA</i>)	1163
Sarcoma Cells Induce Alteration in Adipogenic Differentiation. D.J. TILKORN, S. AL-BENNA, J. HAUSER, A. RING, H.U. STEINAU, A. TANNAPFEL, I. STRICKER (<i>Bochum, North Rhine-Westphalia, Germany</i>)	1167
Imageable Fluorescent Metastasis Resulting in Transgenic GFP Mice Orthotopically Implanted with Human-patient Primary Pancreatic Cancer Specimens. A. SUETSUGU, M. KATZ, J. FLEMING, M. TRUTY, R. THOMAS, S. SAJI, H. MORIWAKI, M. BOUVET, R.M. HOFFMAN (<i>San Diego, CA; Houston, TX, USA; Gifu, Japan</i>)	1175

Contents continued on the back cover

Physiological Concentrations of Genistein and 17 β -Estradiol Inhibit MDA-MB-231 Breast Cancer Cell Growth by Increasing BAX/BCL-2 and Reducing pERK1/2. T.T. RAJAH, K.J. PEINE, N. DU, C.A. SERRET, N.R. DREWS (<i>Chicago, IL, USA</i>)	1181
5-Aminosalicylic Acid Mediates Expression of Cyclooxygenase-2 and 15-Hydroxyprostaglandin Dehydrogenase to Suppress Colorectal Tumorigenesis. J. MIYOSHI, T. YAJIMA, K. SHIMAMURA, K. MATSUOKA, S. OKAMOTO, H. HIGUCHI, S. FUNAKOSHI, H. TAKAISHI, T. HIBI (<i>Tokyo, Japan</i>)	1193
Effective Targeting of the Tumor Microenvironment for Cancer Therapy. P. JIANG, X. LI, C.B. THOMPSON, Z. HUANG, F. ARAIZA, R. OSGOOD, G. WEI, M. FELDMANN, G.I. FROST, H.M. SHEPARD (<i>San Diego, CA, USA; London, UK</i>)	1203
Efficacy of the Chinese Traditional Medicinal Herb <i>Celastrus orbiculatus</i> Thunb on Human Hepatocellular Carcinoma in an Orthotopic Fluorescent Nude Mouse Model. M. WANG, X. ZHANG, X. XIONG, Z. YANG, Y. SUN, Z. YANG, R.M. HOFFMAN, Y. LIU (<i>Nanjing; Yangzhou, PR China; San Diego, CA, USA</i>)	1213
CK20 Expression Enhances the Invasiveness of Tamoxifen-resistant MCF-7 Cells. Y.S. MIN, E.H. YI, J.K. LEE, J.W. CHOI, J.H. SIM, J.-S. KANG, Y.-N. KIM, Y.-S. JUHNN, H.-R. KIM, S.-K. YE (<i>Seoul; Gyeonggi-do, Republic of Korea</i>)	1221
COM-1/p8 Acts as a Tumour Growth Enhancer in Colorectal Cancer Cell Lines. X. LI, T.A. MARTIN, W.G. JIANG (<i>Cardiff, UK; Beijing, PR China</i>)	1229
Radiosensitization of p53-Deficient Lung Cancer Cells by Pre-treatment with Cytostatic Compounds. S.V. TOKALOV, N. ABOLMAALI (<i>Dresden, Germany; Bunyola, Balearic Islands, Spain</i>)	1239
Molecular Characterization of Human Cutaneous Melanoma-derived Cell Lines. Z. OGBAH, J.A. PUIG-BUTILLE, F. SIMONETTA, C. BADENAS, R. CERVERA, J. MILÁ, D. BENITEZ, J. MALVEHY, R. VILELLA, S. PUIG (<i>Barcelona, Spain</i>)	1245
Human Papillomavirus Molecular Testing in Women with Low Grade Cervical Lesions: Experience from an Italian Hospital. P. PABA, C. ASCONE, A.A. CRISCUOLO, F. MARCUCCILLI, M. CICCOZZI, F. SESTI, E. PICCIONE, C.F. PERNO, M. CIOTTI (<i>Rome, Italy</i>)	1253
Comparison of Genomic Signatures of Non-small Cell Lung Cancer Recurrence between Two Microarray Platforms. J.W.-C. CHANG, N.-C. WEI, H.-J. SU, J.-L. HUANG, T.-C. CHEN, Y.-C. WU, C.-T. YU, M.-M. HOU, C.-H. HSIEH, J.-J. HSIEH, C.-E. WU, H.-Y. CHENG, T. HSU, T.-H. WANG (<i>Taoyuan; Hsinchu, Taiwan, ROC</i>)	1259
Enhanced siRNA Delivery Using Oleic Acid Derivative of Polyethylenimine. L. TENG, J. XIE, L. TENG, R.J. LEE (<i>Jilin, PR China; Columbus, OH, USA</i>)	1267
Immunohistochemical Study of the Epithelial-Mesenchymal Transition Phenotype in Cancer of Unknown Primary: Incidence, Correlations and Prognostic Utility. A. STOYIANNI, A. GOUSSIA, G. PENTHEROUDAKIS, V. SIOZOPOULOU, E. IOACHIM, D. KRIKELIS, V. GOLFINOPOULOS, A. CERVANTES, M. BOBOS, T. FOTSI, S. BELLOU, G. FOUNTZILAS, V. MALAMOU-MITSI, N. PAVLIDIS (<i>Ioannina; Athens; Thessaloniki, Greece; Valencia, Spain</i>)	1273
EPLIN- α Expression in Human Oesophageal Cancer and its Impact on Cellular Aggressiveness and Clinical Outcome. Y. LIU, A.J. SANDERS, L. ZHANG, W.G. JIANG (<i>Cardiff, UK; Beijing, China</i>)	1283
Rapid, Laser-Induced Conversion of 20-Hydroxyecdysone and its Diacetonide – Experimental Set-up of a System for Photochemical Transformation of Bioactive Substances. A. HUNYADI, B. DANKO, M. BONI, A. MILITARU, T. ALEXANDRU, V. NASTASA, I. R. ANDREI, M. L. PASCU, L. AMARAL (<i>Szeged, Hungary; Bucharest, Romania; Lisbon, Portugal</i>)	1291

The Relationship between Secretory Leukocyte Protease Inhibitor Expression and Epstein-Barr Virus Status among Patients with Nasopharyngeal Carcinoma. K.-P. TSE, C.-S. WU, C. HSUEH, K.-P. CHANG, S.-P. HAO, Y.-S. CHANG, N.-M. TSANG (<i>Taoyuan; Taipei, Taiwan, ROC</i>)	1299
Treatment of Breast Cancer Cells by IGF1R Tyrosine Kinase Inhibitor Combined with Conventional Systemic Drugs. H. HARTOG, W.T.A. VAN DER GRAAF, H.M. BOEZEN, J. WESSELING (<i>Groningen; Nijmegen; Amsterdam, Netherlands</i>)	1309
Methylation of the <i>DFNA5</i> Gene is Frequently Detected in Colorectal Cancer. K. YOKOMIZO, Y. HARADA, K. KIJIMA, K. SHINMURA, M. SAKATA, K. SAKURABA, Y. KITAMURA, A. SHIRAHATA, T. GOTO, H. MIZUKAMI, M. SAITO, G. KIGAWA, H. NEMOTO, K. HIBI (<i>Yokohama, Japan</i>)	1319
Oncogramme Responses of Breast Tumour Cells Treated with Herceptin Correlate with HER2/C-ERB B2 Pathological Status. S. GIRAUD, C. BOUNAIX MORAND DU PUCH, V. FERMEAUX, A. GUILLAudeau, C. LAUTRETTE (<i>Limoges, France</i>)	1323
Clinical Studies	
A Pilot Study of Letrozole for One Year in Women at Enhanced Risk of Developing Breast Cancer: Effects on Mammographic Density. J. SMITH, A. DILAWARI, G. URGIN, E. ANDREOPOLOU, C. CHECKA, D. AXELROD, A. GUTH, H. TOTH, M. UTATE, K. CARAPETYAN, E. REICH, T. DIFLO, F. MUGGIA (<i>New York, NY; Los Angeles, CA, USA</i>)	1327
A Prospective Clinical Trial of Cholecalciferol 2000 IU/day in Colorectal Cancer Patients: Evidence of a Chemotherapy-response Interaction. M.G. FAKIH, C. ANDREWS, J. MCMAHON, J.R. MUINDI (<i>Ann Arbor, MI; Buffalo, NY, USA</i>)	1333
The Value of Induction Chemotherapy for Survival in Patients with Non-small Cell Lung Cancer Treated with Radiotherapy. G. HOLGERSSON, M. SANDELIN, E. HOYE, S. BERGSTROM, R. HENRIKSSON, S. EKMAN, J. NYMAN, M. HELSING, S. FRIESLAND, O. BROdin, M. HOLGERSSON, K. LAMBERG LUNDSTRÖM, C. JANSON, L. EKBERG, C. MÖRTH, T. BLYSTAD, S.-B. EWERS, B. LÖDEN, M. BERGQVIST (<i>Uppsala; Gävle; Umeå; Göteborg; Stockholm; Malmö; Eskilstuna; Linköping; Lund; Karlstad, Sweden</i>)	1339
Low-dose Cytarabine plus Aclarubicin for Patients with Previously Untreated Acute Myeloid Leukemia or High-risk Myelodysplastic Syndrome Ineligible for Standard-dose Cytarabine plus Anthracycline. T. FUKUSHIMA, H. KAWABATA, T. SAWAKI, T. SATOH, T. NAKAMURA, H. IWAO, A. NAKAJIMA, T. SAKAI, M. MIKI, Y. FUJITA, M. TANAKA, T. KAWANAMI, Y. MASAKI, T. OKAZAKI, H. UMEHARA (<i>Ishikawa; Kyoto, Japan</i>)	1347
Sarcoidosis in a Patient with Metastatic Melanoma Sequentially Treated with Anti-CTLA-4 Monoclonal Antibody and Selective BRAF Inhibitor. S. WILGENHOF, V. MORLION, A.C. SEGHERS, S. DU FOUR, E. VANDERLINDEN, S. HANON, F. VANDENBROUCKE, H. EVERAERT, B. NEYNS (<i>Brussels, Belgium</i>)	1355
Expression of Serotonin Receptors 5-HT1A, 5-HT1B, 5-HT2B and 5-HT4 in Ovary and in Ovarian Tumours. R. HENRIKSEN, N. DIZEYI, P.-A. ABRAHAMSSON (<i>Malmö, Sweden</i>)	1361
Expression and Function of <i>FRA2/JUND</i> in Cutaneous T-Cell Lymphomas. T. NAKAYAMA, T. HIGUCHI, N. OISO, A. KAWADA, O. YOSHIE (<i>Osaka, Japan</i>)	1367
Retinal Neovascularization and Hemorrhage Associated with the Use of Imatinib (Gleevec [®]) in a Patient Being Treated for Gastrointestinal Stromal Tumor (GIST). A.P. GULATI, M.W. SAIF (<i>New York, NY, USA</i>)	1375
* Review: Improved Chemotherapy for Hepatocellular Carcinoma. H. CAO, H. PHAN, L.-X. YANG (<i>San Francisco, CA, USA</i>)	1379

Intra-arterial Infusion of Irinotecan-loaded Drug-eluting Beads (DEBIRI) versus Intravenous Therapy (FOLFIRI) for Hepatic Metastases from Colorectal Cancer: Final Results of a Phase III Study. G. FIORENTINI, C. ALIBERTI, M. TILLI, L. MULAZZANI, F. GRAZIANO, P. GIORDANI, A. MAMBRINI, F. MONTAGNANI, P. ALESSANDRONI, V. CATALANO, P. COSCHIERA (<i>Pesaro; Padova; Ferrara; Carrara; Biella, Italy</i>)	1387
Adjuvant Chemoradiation with 5-Fluorouracil or Capecitabine in Patients with Gastric Cancer after D2 Nodal Dissection. M.F. OSTI, L. AGOLLI, S. BRACCI, F. MONACO, S. TUBIN, G. MINNITI, V. DE SANCTIS, R.M. ENRICI (<i>Rome, Italy</i>)	1397
Phase II Study of Docetaxel, Cisplatin and 5-Fluorouracil (DCF) for Metastatic Esophageal Cancer (OGSG 0403). S. TAMURA, M. IMANO, H. TAKIUCHI, K. KOBAYASHI, H. IMAMOTO, H. MIKI, Y. GOTO, T. AOKI, Y.-F. PENG, T. TSUJINAKA, H. FURUKAWA (<i>Hyogo; Osaka, Japan</i>)	1403
C-Reactive Protein is Associated with Distant Metastasis of T3 Colorectal Cancer. M. ISHIZUKA, H. NAGATA, K. TAKAGI, K. KUBOTA (<i>Tochigi, Japan</i>)	1409
Factors Resulting in 5-Year Disease-free Survival after Resection of Hepatocellular Carcinoma. T. OCHIAI, H. IKOMA, Y. MURAYAMA, A. SHIOZAKI, S. KOMATSU, Y. KURIU, M. NAKANISHI, D. ICHIKAWA, H. FUJIWARA, K. OKAMOTO, Y. KOKUBA, E. OTSUJI (<i>Kyoto, Japan</i>)	1417
Long-term Amrubicin Chemotherapy for Small-cell Lung Cancer. M. HIGASHIGUCHI, H. SUZUKI, T. HIRASHIMA, M. KOBAYASHI, S. GOYA, N. OKAMOTO, Y. MATSUURA, M. TAMIYA, N. MORISHITA, I. KAWASE (<i>Osaka, Japan</i>)	1423
Elevated HER2 Extracellular Domain Level in Primary Breast Cancer with HER2 Overexpression Predicts Early Failure of Adjuvant Trastuzumab. S. THUREAU, F. CLATOT, S. LABERGE-LE-COUTEULX, M. BARON, J.-P. BASUYAU, E. BLOT (<i>Rouen; Vannes, France</i>)	1429
Lymphoepithelioma-like Carcinoma of the Breast: A Case Report with a Special Analysis of an Association with Human Papilloma Virus. Y. NIO, K. TSUBOI, M. TAMAOKI, M. TAMAOKI, R. MARUYAMA (<i>Kyoto; Izumo, Japan</i>)	1435
Histopathological Classification of <i>Pseudomyxoma Peritonei</i> and the Prognostic Importance of PINCH Protein. H. ANDRÉASSON, A. WANDERS, X.-F. SUN, R. WILLÉN, W. GRAF, P. NYGREN, B. GLIMELIUS, Z.-Y. ZHANG, H. MAHTEME (<i>Uppsala; Linköping; Stockholm, Sweden; Tangshan, PR China</i>)	1443
Secondary Tumors of the Pancreas: A Case Series. B. PAN, Y. LEE, T. RODRIGUEZ, J. LEE, M.W. SAIF (<i>New York, NY, USA</i>)	1449
Nedaplatin and Irinotecan in Patients with Large-cell Neuroendocrine Carcinoma of the Lung. Y. KENMOTSU, F. OSHITA, M. SUGIURA, S. MURAKAMI, T. KONDO, H. SAITO, K. YAMADA (<i>Yokohama, Japan</i>)	1453
Comparison of the Chemosensitivity of the Primary Lesion and a Pancreatic Metastasis of Colon Cancer: A Case Report. H. TAMAGAWA, Y. MIYAGI, M. NUMATA, N. YAMAMOTO, M. SHIOZAWA, S. MORINAGA, A. SEKIYAMA, H. SEKIGUCHI, Y. SAKUMA, Y. KAMEDA, M. AKAIKE, M. MASUDA, T. IMADA (<i>Yokohama, Japan</i>)	1457
A Modified Vimentin Histological Score Helps Recognize Pulmonary Sarcomatoid Carcinoma in Small Biopsy Samples. G. PELOSI, F. MELOTTI, A. CAVAZZA, G. ROSSI, P. MAISONNEUVE, P. GRAZIANO, M. BARBARESCHI, Y. NAKATANI, M. PAPOTTI (<i>Milan; Reggio Emilia; Modena; Rome; Trento; Orbassano, Italy; Chiba, Japan</i>)	1463
Concurrent Chemoradiotherapy with Paclitaxel and Cisplatin for Adenocarcinoma of the Cervix. Y. NAGAI, T. TOITA, A. WAKAYAMA, T. NAKAMOTO, T. Ooyama, A. TOKURA, M. INAMINE, W. KUDAKA, S. MURAYAMA, Y. AOKI (<i>Okinawa, Japan</i>)	1475

Extravasation of Liposomal Doxorubicin Induces Irritant Reaction without Vesicant Injury. E. CURTIT, L. CHAIGNEAU, J. PAUCHOT, T. NGUYEN, V. NERICH, F. BAZAN, A. THIERY-VUILLEMIN, M. DEMARCHI, X. PIVOT, C. VILLANUEVA (<i>Besançon, France</i>)	1481
Complete Response and Long-term Survival in Malignant Pleural Mesothelioma: Case Report. S. TAKANEN, B. RESULI, V. GRAZIANO, A. PARISI, R. LISI, N. RAFFETTO, V. TOMBOLINI (<i>Rome, Italy</i>)	1485
Study of AP Endonuclease (APEX1/REF1), a DNA Repair Enzyme, in Gallbladder Carcinoma. V.K. SHUKLA, P.C. DAS, R. DIXIT, S.K. BHARTIYA, S. BASU, M.J. RAMAN (<i>Varanasi, India</i>)	1489
Adjuvant Intravesical Instillation for Primary T1G3 Bladder Cancer: BCG versus MMC in Korea. I.-C. CHO, E.K. KIM, J.Y. JOUNG, H.K. SEO, J. CHUNG, W.S. PARK, K.H. LEE (<i>Goyang, South Korea</i>)	1493
Investigative Clinical Study on Prostate Cancer Part VIII: Prolactin Hormone and the Pituitary-Testicular-Prostate Axis at the Time of Initial Diagnosis and Subsequent Cluster Selection of the Patient Population after Radical Prostatectomy. A.B. PORCARO, C. GHIMENTON, A. PETROZZIELLO, F. MIGLIORINI, M. ROMANO, T. SAVA, B. CARUSO, C. COCCO, S.Z. ANTONIOLLI, V. LACOLA, E. RUBIOLLA, C. MONACO, L. COMUNALE (<i>Verona, Italy</i>)	1499
PKC η Is a Novel Prognostic Marker in Non-small Cell Lung Cancer. E. KRASNITSKY, Y. BAUMFELD, J. FREEDMAN, N. SION-VARDY, S. ARIAD, V. NOVACK, E. LIVNEH (<i>Beer Sheva, Israel</i>)	1507
Ameloblastic Carcinoma, Primary Type: Case Report, Immunohistochemical Analysis and Literature Review. A.R. CASAROTO, G.L. TOLEDO, J.L. TOLEDO-FILHO, C.T. SOARES, M.M. CAPELARI, V.S. LARA (<i>Bauru, SP, Brazil</i>)	1515
Correlation of <i>MACC1</i> and <i>MET</i> Expression in Rectal Cancer after Neoadjuvant Chemoradiotherapy. M. KAWAMURA, S. SAIGUSA, Y. TOIYAMA, K. TANAKA, Y. OKUGAWA, J. HIRO, K. UCHIDA, Y. MOHRI, Y. INOUE, M. KUSUNOKI (<i>Mie, Japan</i>)	1527
A Two-step Selection of Breast Cancer Patients Candidates for Exclusive IORT with Electrons: A Mono-institutional Experience. M. GUENZI, A. FOZZA, G. TIMON, L. BELGIOIA, G. VIDANO, F. CAVAGNETTO, S. AGOSTINELLI, M. GUSINU, F. CARLI, F. CAFIERO, D. FRIEDMAN, G. CANAVESE, R. CORVÒ (<i>Genoa, Italy</i>)	1533
Impact of Epidural Analgesia on Survival in Patients Undergoing Complete Cytoreductive Surgery for Ovarian Cancer. P. CAPMAS, V. BILLARD, S. GOUY, C. LHOMMÉ, P. PAUTIER, P. MORICE, C. UZAN (<i>Villejuif, France</i>)	1537
Lip Cancer: A 10-Year Retrospective Epidemiological Study. M. MARUCCIA, M.G. ONESTI, P. PARISI, E. CIGNA, A. TROCCOLA, N. SCUDERI (<i>Rome, Italy</i>)	1543
The Prognostic Significance of HER2 Positivity for Advanced Gastric Cancer Patients Undergoing First-line Modified FOLFOX-6 Regimen. J.W. KIM, S.-A. IM, M. KIM, Y. CHA, K.-H. LEE, B. KEAM, M.A. KIM, S.-W. HAN, D.-Y. OH, T.-Y. KIM, W. H. KIM, Y.-J. BANG (<i>Seoul, Republic of Korea</i>)	1547
Pretreatment Neutrophil:Lymphocyte Ratio as a Prognostic Factor in Cervical Carcinoma. Y.-Y. LEE, C.H. CHOI, H.-J. KIM, T.J. KIM, J.W. LEE, J.-H. LEE, D.-S. BAE, B.-G. KIM (<i>Seoul, Republic of Korea</i>)	1555
Errata	1563

* Reviews (pages 1119, 1379)