

# ANTICANCER RESEARCH

## International Journal of Cancer Research and Treatment

ISSN: 0250-7005

Volume 29, Number 8, August 2009

### Contents

#### *Experimental Studies*

- Ovarian Cancer-associated Ascites Demonstrates Altered Immune Environment: Implications for Antitumor Immunity. R.L. GIUNTOLI, II, T.J. WEBB, A. ZOSO, O. ROGERS, T.P. DIAZ-MONTES, R.E. BRISTOW, M. OELKE (Baltimore, MD, USA) ..... 2875
- Cytogenetic Effects of 18.0 and 16.5 GHz Microwave Radiation on Human Lymphocytes *In Vitro*. I.-L. HANSTEEN, L. LÅGEIDE, K.O. CLAUSEN, V. HAUGAN, M. SVENDSEN, J.G. ERIKSEN, R. SKIAKER, E. HAUGER, A.I. VISTNES, E.H. KURE (Skien; Bø in Telemark; Kjeller; Oslo, Norway) ..... 2885
- Induction of Apoptosis by Staurosporine Involves the Inhibition of Expression of the Major Cell Cycle Proteins at the G<sub>2</sub>/M Checkpoint Accompanied by Alterations in Erk and Akt Kinase Activities. A. ANTONSSON, J.L. PERSSON (Malmö, Sweden) ..... 2893
- Loss of Anti-proliferative Effect of All-trans Retinoic Acid in Advanced Stage of Breast Carcinogenesis. E.H. AHN, C.-C. CHANG, D.A. TALMAGE (New York, NY; East Lansing, MI, USA) ..... 2899
- Cytotoxic Effects of Camptothecin and Cisplatin Combined with Tumor Necrosis Factor-related Apoptosis-inducing Ligand (Apo2L/TRAIL) in a Model of Primary Culture of Non-small Cell Lung Cancer. S. FRESE, A. SCHÜLLER, M. FRESE-SCHAPER, M. GUGGER, R.A. SCHMID (Bern, Switzerland) ..... 2905
- Cyclooxygenase 2 Expression in Soft Tissue Leiomyosarcoma. M.E. HERCEG, A.C. TSIATIS, J.L. HALPERN, G.E. HOLT, H.S. SCHWARTZ, V.L. KEEDY, J.M.M. CATES (Nashville, TN; Baltimore, MD, USA) ..... 2913
- Expression of E-Cadherin,  $\beta$ -Catenin and APC protein in Canine Colorectal Tumours. B. RESTUCCI, M. MARTANO, G. DE VICO, L. LO MUZIO, P. MAIOLINO (Naples; Foggia, Italy) ..... 2919

*Contents continued on the back cover*

Methylalntrexone, a Peripherally Acting Opioid Receptor Antagonist, Enhances Tumoricidal Effects of 5-FU on Human Carcinoma Cells. C.-Z. WANG, X.-L. LI, SHI SUN, J.-T. XIE, H.H. AUNG, R. TONG, E. MCENTEE, C.-S. YUAN ( <i>Chicago, IL, USA</i> ) .....	2927
Biotinylated Poly(amido)amine (PAMAM) Dendrimers as Carriers for Drug Delivery to Ovarian Cancer Cells <i>In Vitro</i> . V.K. YELLEPEDDI, A. KUMAR, S. PALAKURTHI ( <i>Kingsville, TX, USA</i> ) .....	2933
Antiangiogenic Properties of <i>Viscum Album</i> Extracts Are Associated with Endothelial Cytotoxicity. S.R. ELLURU, J.-P.D. VAN HUYEN, S. DELIGNAT, F. PROST, D. HEUDES, M.D. KAZATCHKINE, A. FRIBOULET, S.V. KAVERI ( <i>Compiègne; Paris, France</i> ) .....	2945
Comparison of Cell Death-inducing Effect of Novel Taxane SB-T-1216 and Paclitaxel in Breast Cancer Cells. J. KOVÁŘ, M. EHRLICHOVÁ, B. ŠMEJKALOVÁ, I. ZANARDI, I. OJIMA, I. GUT ( <i>Prague, Czech Republic; Stony Brook, NY, USA</i> ) .....	2951
Inhibition of Proteasome Activity by Bortezomib in Renal Cancer Cells Is p53 Dependent and VHL Independent. S.A.J. VAZIRI, D.R. GRABOWSKI, J. HILL, L.R. RYBICKI, R. BURK, R.M. BUKOWSKI, M.K. GANAPATHI, R. GANAPATHI ( <i>Cleveland, OH; Bronx, NY, USA</i> ) .....	2961
Biochemical Changes and Cytotoxicity Associated with Methionine Depletion in Paediatric Central Nervous System Tumour Cell Lines. N. NAJIM, I.D. PODMORE, A. MCGOWN, E.J. ESTLIN ( <i>Salford; Pendlebury, UK</i> ) .....	2971
Mifepristone Treatment Improves Length and Quality of Survival of Mice with Spontaneous Leukemia. J.H. CHECK, L. SANSOUCIE, J. CHERN, N. AMADI, Y. KATZ ( <i>Camden, NJ, USA</i> ) .....	2977
Differential Inhibition of Single and Cluster Type Tumor Cell Migration. R. HARISI, I. KENESSEY, J.N. OLAH, F. TIMAR, I. BABO, G. POGANY, S. PAKU, A. JENEY ( <i>Budapest, Hungary</i> ) .....	2981
LY294002 Enhances Boswellic Acid-induced Apoptosis in Colon Cancer Cells. J.-J. LIU, R.-D. DUAN ( <i>Republic of Singapore; Lund, Sweden</i> ) .....	2987
Selective Cytotoxic Activities of Two Novel Synthetic Drugs on Human Breast Carcinoma MCF-7 Cells. R.B. BADISA, S.F. DARLING-REED, P. JOSEPH, J.S. COOPERWOOD, L.M. LATINWO, C.B. GOODMAN ( <i>Tallahassee, FL, USA</i> ) .....	2993
Improved Gene Transfer into Renal Carcinoma Cells Using Adenovirus Vector Containing RGD Motif. S. TERAU, B. ACHARYA, T. SUZUKI, T. AOI, M. NAOE, K. HAMADA, H. MIZUGUCHI, A. GOTOH ( <i>Hyogo; Kyoto; Ehime; Osaka, Japan</i> ) .....	2997
Vinorelbine Induces $\beta$ 3-Tubulin Gene Expression through an AP-1 Site. J. SAUSSEDE-AIM, E.-L. MATERA, S. HERVEAU, J.-P. ROUAULT, C. FERLINI, C. DUMONTET ( <i>Lyon, France; Rome, Italy</i> ) .....	3003
Antiproliferative Effects of Resveratrol and the Mediating Role of Resveratrol Targeting Protein NQO2 in Androgen Receptor-positive, Hormone-non-responsive CWR22Rv1 Cells. T.-C. HSIEH ( <i>Valhalla, NY, USA</i> ) ....	3011
Effect of Head and Neck Cancer Supernatant and CpG-Oligonucleotides on Migration and IFN- $\alpha$ Production of Plasmacytoid Dendritic Cells. A. THIEL, R. PRIES, S. JESKE, T. TRENKLE, B. WOLLENBERG ( <i>Lübeck, Germany</i> ) .....	3019
<i>In Vitro</i> Evaluation of Histone Deacetylase Inhibitors as Combination Agents for Colorectal Cancer. J.C. KIM, E.S. SHIN, C.W. KIM, S.A. ROH, D.H. CHO, Y.S. NA, T.W. KIM, M.B. KIM, Y.L. HYUN, S. RO, S.Y. KIM, Y.S. KIM ( <i>Seoul; Daejeon, South Korea</i> ) .....	3027
Spontaneous Tumor Formation in <i>Trp53</i> -deficient Epidermis Mediated by Chromosomal Instability and Inflammation. A.B. MARTÍNEZ-CRUZ, M. SANTOS, R. GARCÍA-ESCUADERO, M. MORAL, C. SEGRELLES, C. LORZ, C. SAIZ, A. BUITRAGO-PÉREZ, C. COSTA, J.M. PARAMIO ( <i>Madrid, Spain</i> ) .....	3035

Scutellarin Sensitizes Drug-evoked Colon Cancer Cell Apoptosis through Enhanced Caspase-6 Activation. J.Y. CHAN, B.K.-H. TAN, S.C. LEE ( <i>Republic of Singapore</i> ) .....	3043
Correlation between Proliferation Markers: PCNA, Ki-67, MCM-2 and Antiapoptotic Protein Bcl-2 in Colorectal Cancer. K. GUZIŃSKA-USTYMOWICZ, A. PRYCZYNICZ, A. KEMONA, J. CZYŻEWSKA ( <i>Białystok, Poland</i> ) .....	3049
Decreased Levels of Circulating Regulatory NK Cells in Patients with Head and Neck Cancer throughout all Tumor Stages. S. WULFF, R. PRIES, K. BÖRNGEN, T. TRENKLE, B. WOLLENBERG ( <i>Lübeck, Germany</i> ) .....	3053
SPARC is Expressed in Human Uveal Melanoma and its Abrogation Reduces Tumor Cell Proliferation. S.C. MALONEY, J.-C. MARSHALL, E. ANTECKA, M.E. ORELLANA, B.F. FERNANDES, C. MARTINS, E. CASTIGLIONE, S. DI CESARE, P. LOGAN, M.N. BURNIER, JR. ( <i>Montreal, QC, Canada</i> ) .....	3059
Mutation of Ameloblastin Gene in Calcifying Epithelial Odontogenic Tumor. P.F. PERDIGÃO, V.M. CARVALHO, L. DE MARCO, R.S. GOMEZ ( <i>Belo Horizonte, MG, Brazil</i> ) .....	3065
Preclinical and Clinical Aspects of Carboplatin and Gemcitabine Combined with Whole-body Hyperthermia for Pancreatic Adenocarcinoma. A. BAKSHANDEH-BATH, A.S. STOLTZ, N. HOMANN, T. WAGNER, S. STÖLTING, S.O. PETERS ( <i>Luebeck, Germany</i> ) .....	3069
Tumor-specific Cytotoxic Activity of 1,2,3,4-Tetrahydroisoquinoline Derivatives against Human Oral Squamous Cell Carcinoma Cell Lines. H. HATANO, F. TAKEKAWA, K. HASHIMOTO, M. ISHIHARA, M. KAWASE, C. QING, W. QIN-TAO, H. SAKAGAMI ( <i>Saitama; Ehime, Japan; Xi'an, Shaanxi, P.R. China</i> ) .....	3079
mTOR, S6 and AKT Expression in Relation to Proliferation and Apoptosis/Autophagy in Glioma. L. ANNOVAZZI, M. MELLAI, V. CALDERA, G. VALENTE, L. TESSITORE, D. SCHIFFER ( <i>Vercelli; Novara, Italy</i> ).....	3087
Co-inhibition of Cyclooxygenase-2 and Dihydropyrimidine Dehydrogenase by Non-steroidal Anti-inflammatory Drugs in Tumor Cells and Xenografts. A. RÉTI, É. PAP, A. ZALATNAI, A. JENEY, J. KRALOVÁNSZKY, B. BUDAI ( <i>Budapest, Hungary</i> ) .....	3095
Methionine Restriction Reduces the Chemosensitivity of Central Nervous System Tumour Cell Lines. N. NAJIM, I.D. PODMORE, A. MCGOWN, E.J. ESTLIN ( <i>Salford; Pendlebury, UK</i> ) .....	3103
Possible Mechanism of CCL2-induced Akt Activation in Prostate Cancer Cells. K. MIZUTANI, H. ROCA, Z. VARSOS, K.J. PIENTA ( <i>Ann Arbor, MI, USA</i> ) .....	3109
Chemoresponsiveness Associated with Canonical Molecular Changes in Colorectal Adenocarcinomas. J.C. KIM, S.A. ROH, D.H. CHO, T.W. KIM, S.N. YOON, C.W. KIM, C.S. YU, S.Y. KIM, Y.S. KIM ( <i>Seoul; Daejeon, South Korea</i> ) .....	3115
Extent of Cell Electrofusio <i>n In Vitro</i> and <i>In Vivo</i> Is Cell Line Dependent. S. ŠALOMSKAITĖ-DAVALGIENĖ, K. ČEPUONIENĖ, S. ŠATKAUSKAS, M.S. VENSŁAUSKAS, L.M. MIR ( <i>Kaunas, Lithuania; Villejuif, France</i> ) .....	3125
Cobalt Chloride-induced Hypoxia Modulates the Invasive Potential and Matrix Metalloproteinases of Primary and Metastatic Breast Cancer Cells. O.-Y. FU, M.-F. HOU, S.-F. YANG, S.-C. HUANG, W.-Y. LEE ( <i>Kaohsiung; Tainan; Taipei, Taiwan, ROC</i> ) .....	3131
Induction of Mitotic Arrest and Apoptosis by a Novel Synthetic Quinolone Analogue, CWC-8, <i>via</i> Intrinsic and Extrinsic Apoptotic Pathways in Human Osteogenic Sarcoma U-2 OS Cells. Y.-H. CHANG, J.-S. YANG, S.-C. KUO, J.-G. CHUNG ( <i>Taichung, Taiwan, ROC</i> ) .....	3139
Diagnostic and Prognostic Value of CD10 in Peripheral Nerve Sheath Tumors. D. CABIBI, M. ZERILLI, G. CARADONNA, L. SCHILLACI, B. BELMONTE, V. RODOLICO ( <i>Palermo, Italy</i> ) .....	3149

Phagocytosis of Cancer Cells by Mast Cells in Breast Cancer. F. DELLA ROVERE, A. GRANATA, M. MONACO, G. BASILE ( <i>Messina, Italy</i> ) .....	3157
Effects of Tetrandrine plus Radiation on Neuroblastoma Cells. Y. CHEN, J.-C. CHEN, S.-H. TSENG ( <i>Taipei; Taoyuan; Chia-Yi, Taiwan, ROC</i> ) .....	3163
Combination Chemotherapy of Nafamostat Mesilate with Gemcitabine for Pancreatic Cancer Targeting NF- $\kappa$ B Activation. T. UWAGAWA, P.J. CHIAO, T. GOCHO, S. HIROHARA, T. MISAWA, K. YANAGA ( <i>Tokyo, Japan; Houston, TX, USA</i> ) .....	3173
Effect of Free Radicals on the Biological Action of Genistein <i>In Vitro</i> and Synergism with Mitomycin C.J. HARTMANN, N. GETOFF ( <i>Vienna, Austria</i> ) .....	3179
Curcumin Inhibits Proliferation of Colorectal Carcinoma by Modulating Akt/mTOR Signaling. S.M. JOHNSON, P. GULHATI, I. ARRIETA, X. WANG, T. GAO, B.M. EVERS ( <i>Galveston, TX, USA</i> ) .....	3185
A Common 9 bp Deletion in the Ataxia-telangiectasia-mutated Gene Is Not Associated with Oral Cancer. S. SPYRIDONIDOU, C. YAPIJAKIS, E. NKENKE, T. TOYOSHIMA, A. VYLLIOTIS, Z. SEREFOGLOU, F.W. NEUKAM, E. PATSOURIS, E. VAIRAKTARIS ( <i>Athens, Greece; Nurnberg, Germany</i> ) .....	3191
Keratinocyte Growth Factor (KGF) Regulates Estrogen Receptor- $\alpha$ (ER- $\alpha$ ) Expression and Cell Apoptosis via Phosphatidylinositol 3-kinase (PI3K)/Akt Pathway in Human Breast Cancer Cells. H.-L. CHANG, Y. SUGIMOTO, S. LIU, L.-S. WANG, Y.-W. HUANG, W. YE, Y.C. LIN ( <i>Columbus, OH, USA</i> ) .....	3191
Methylation Mediated Silencing of TMS1 in Breast Cancer and its Potential Contribution to Docetaxel Cytotoxicity. E. GORDIAN, K. RAMACHANDRAN, R. SINGAL ( <i>Miami, FL, USA</i> ) .....	3207
Antitumor Potential of Three Herbal Extracts against Human Oral Squamous Cell Lines. Q. CHU, K. SATOH, T. KANAMOTO, S. TERAKUBO, H. NAKASHIMA, Q. WANG, H. SAKAGAMI ( <i>Xi'an, P.R. of China; Saitama; Tokyo; Kanagawa, Japan</i> ) .....	3211
The Effects of Sirolimus on Urothelial Lesions Chemically Induced in ICR Mice by BBN. P.A. OLIVEIRA, R. ARANTES-RODRIGUES, C. SOUSA-DINIZ, A. COLAÇO, L. LOURENÇO, L. FELIPE DE LA CRUZ P., V. MOREIRA DA SILVA, J. AFONSO, C. LOPES, L. SANTOS ( <i>Vila Real; Porto; Póvoa do Lanhoso, Portugal; Lugo, Spain</i> ) .....	3221
Enhanced Antitumour Activity of Cyclopentadienyl-substituted Metallocene Dihalides in Human Breast and Colon Cancer Cells. X. STACHTEA, N. KARAMANOS, N. KLOURAS ( <i>Patras, Greece</i> ) .....	3227
Cancer Cell Growth and Extracellular Matrix Remodeling Mechanism of Ascorbate; Beneficial Modulation by <i>P. leucotomos</i> . N. PHILIPS, L. DULAJ, T. UPADHYA ( <i>Teaneck, NJ, USA</i> ) .....	3233
<i>Clinical Studies</i>	
Intrahepatic Cholangiocarcinoma and Hepatitis: Case Study and Literature Review. F. LUH, A. KUEI, P. FANN, P. CHU, Y. YEN ( <i>Duarte, CA, USA</i> ) .....	3239
CEA in Activated Macrophages. New Diagnostic Possibilities for Tumor Markers in Early Colorectal Cancer. D. JAPINK, M.P.G. LEERS, M.N. SOSEF, M. NAP ( <i>Heerlen, The Netherlands</i> ) .....	3245
Elevated <i>ERCC1</i> Gene Expression in Blood Cells Associated with Exposure to Arsenic from Drinking Water in Inner Mongolia. J. MO, Y. XIA, Z. NING, T.J. WADE, J.L. MUMFORD ( <i>Chapel Hill; Triangle Park, NC, USA; Huhhot; Lin He, Inner Mongolia, China</i> ) .....	3253

First Experiences with Low-dose Anti-angiogenic Treatment in Gliomatosis Cerebri with Signs of Angiogenic Activity. M. SEIZ, P. KOHLHOF, M.A. BROCKMANN, E. NEUMAIER-PROBST, P. HERMES, A. VON DEIMLING, P. VAJKOCZY, K. SCHMIEDER, J. TUETTENBERG ( <i>Heidelberg; Berlin, Germany</i> ) .....	3261
Prognostic Impact of CD68 and Kallikrein 6 in Human Glioma. T. STROJNIK, R. KAVALAR, I. ZAJC, E.P. DIAMANDIS, K. OIKONOMOPOULOU, T.T. LAH ( <i>Maribor; Ljubljana, Slovenia; Toronto, ON, Canada</i> ) .....	3269
Tandem High-dose Chemotherapy Followed by Autologous Transplantation in Patients with Locally Advanced or Metastatic Sarcoma. A. LASHKARI, W.A. CHOW, F. VALDES, L. LEONG, V. PHAN, P. TWARDOWSKI, N. KAPOOR, A. MOLINA, Z. AL-KADHIMI, P. FRANKEL, G. SOMLO ( <i>Duarte, CA, USA</i> ) .....	3281
* Review: New Molecular Biomarkers for the Prognosis and Management of Prostate Cancer – The Post PSA Era. B. BICKERS, C. AUKIM-HASTIE ( <i>Portsmouth, Hampshire, UK</i> ) .....	3289
Analysis of Factors Influencing Dysphagia Severity Following Treatment of Head and Neck Cancer. N.P. NGUYEN, C. FRANK, C.C. MOLTZ, U. KARLSSON, P.D. NGUYEN, H.W.C. WARD, P. VOS, H.J. SMITH, S. HUANG, L.M. NGUYEN, C. LEMANSKI, A. LUDIN, S. SALLAH ( <i>Tucson, AZ; Dallas, TX; Greenville, NC; Ann Arbor, MI; Cleveland, OH, USA; Montpellier, France; Athens, Greece</i> ) .....	3299
Induction of Severe Cataract and Late Renal Dysfunction Following Total Body Irradiation: Dose–Effect Relationships. H.B. KAL, M.L. VAN KEMPEN-HARTEVELD ( <i>Utrecht, The Netherlands</i> ) .....	3305
The Angiogenic Growth Factors HGF and VEGF in Serum and Plasma from Neuroblastoma Patients. E.G. SKÖLDENBERG, A. LARSSON, Å. JAKOBSON, F. HEDBORG, P. KOGNER, R.H. CHRISTOFFERSON, F. AZARBAYJANI ( <i>Uppsala; Stockholm, Sweden</i> ) .....	3311
Prognostic Significance of Serum Adipokine Levels in Colorectal Cancer Patients. F. GUADAGNI, M. ROSELLI, F. MARTINI, A. SPILA, S. RIONDINO, R. D’ALESSANDRO, G. DEL MONTE, V. FORMICA, A. LAUDISI, I. PORTARENA, R. PALMIROTTA, P. FERRONI ( <i>Rome, Italy</i> ) .....	3321
Placement of an Expandable Metallic Stent Improves the Efficacy of Chemoradiotherapy for Pancreatic Cancer with Malignant Portal Vein Stenosis or Obstruction. Y. NIO, C. IGUCHI, M. ITAKURA, T. NISHI, K. HASHIMOTO, H. TAKEDA, M. TAKAMURA, H. OMORI, Y. SATO, M. KOIKE, S.-I. ENDO ( <i>Kyoto; Shimane; Hyogo, Japan</i> ) .....	3329
Effect of Aromatase Inhibitors on Lipid Metabolism, Inflammatory Response and Antioxidant Balance in Patients with Breast Carcinoma. B. MELICHAR, H. KALÁBOVÁ, L. KRČMOVÁ, L. URBÁNEK, R. HYŠPLER, D. SOLICHOVÁ, K. MELICHAROVÁ, M. PECKA, Z. ZADÁK ( <i>Hradec Králové; Olomouc, Czech Republic</i> ) .....	3337
Frequency of Lymph Node Metastasis to the Splenic Hilus and Effect of Splenectomy in Proximal Gastric Cancer. S. SASADA, M. NINOMIYA, M. NISHIZAKI, M. HARANO, Y. OJIMA, H. MATSUKAWA, H. AOKI, S. SHIOZAKI, S. OHNO, N. TAKAKURA ( <i>Hiroshima, Japan</i> ) .....	3347
* Review: Current and Future Options in the Treatment of Malignant Ascites in Ovarian Cancer. H. WOOPEN, J. SEHOULI ( <i>Berlin, Germany</i> ) .....	3353
MRSA-pyomyositis in a Patient with Acute Myelogenous Leukemia after Intensive Chemotherapy. T. FUKUSHIMA, H. IWAO, A. NAKAZIMA, M. MIKI, T. SAKAI, T. SAWAKI, M. TANAKA, Y. MASAKI, Y. HIROSE, H. UMEHARA ( <i>Ishikawa, Japan</i> ) .....	3361
Texture Image Analysis in Differentiating Malignant from Benign Adrenal Cortical Tumors in Children and Adults. N.K. SHIRATA, S.T. SREDNI, A. CASTELO, A. SANTINELLI, B. MENDONÇA, R. MONTIRONI, A. LONGATTO FILHO, M.C.N. ZERBINI ( <i>São Paulo, Brazil; Chicago, IL, USA; Ancona, Italy; Braga, Portugal</i> ) .....	3365

A Novel <i>K-ras</i> Mutation in Colorectal Cancer. A Case Report and Literature Review. R. PALMIROTTA, A. SAVONAROLA, V. FORMICA, G. LUDOVICI, G. DEL MONTE, M. ROSELLI, F. GUADAGNI ( <i>Rome, Italy</i> ) .....	3369
Clinicopathological and Immunohistochemical Characteristics of Esophageal Carcinosarcoma. A. SANO, S. SAKURAI, H. KATO, M. SAKAI, N. TANAKA, T. INOSE, K. SAITO, M. SOHDA, M. NAKAJIMA, K. SAKAMOTO, T. SANO, Y. HOSOYA, T. ENOMOTO, T. KANDA, Y. AJIOKA, T. OYAMA, H. KUWANO ( <i>Gunma; Tochigi; Niigata, Japan</i> ) .....	3375
Image-guided Robotic Stereotactic Radiosurgery for Unresectable Liver Metastases: Preliminary Results. G. AMBROSINO, F. POLISTINA, G. COSTANTIN, P. FRANCESCON, R. GUGLIELMI, P. ZANCO, F. CASAMASSIMA, A. FEBBRARO, G. GERUNDA, F. LUMACHI ( <i>Padova; Vicenza; Firenze; Benevento; Modena, Italy</i> ) .....	3381
Feasibility Study of S-1 plus Weekly Docetaxel Combined with Concurrent Radiotherapy in Advanced Gastric Cancer Refractory to First-line Chemotherapy. K. FUJITANI, T. TSUJINAKA, H. YAMASAKI, M. HIRAO, K. YOSHIDA, Y. KUROKAWA ( <i>Osaka, Japan</i> ) .....	3385
Background, Reasons and Benefits Using the Vienna Protocol for the Treatment of Painful Bone Recurrences with <sup>153</sup> Samarium-EDTMP. H. SINZINGER, K. WEISS, J. HILTUNEN ( <i>Vienna; Neustadt, Austria</i> ) .....	3393
Kidney-autotransplantation before Radiotherapy: A Case Report. T. BÖLLING, K. JANKE, H.H. WOLTERS, M. GLASHÖRSTER, I. ERNST, N. WILLICH, J. BROCKMANN, S. KÖNEMANN ( <i>Münster, Germany</i> ) .....	3397
Comparison of Cytology, Colposcopy, HPV Typing and Biomarker Analysis in Cervical Neoplasia. M. ADAMOPOULOU, E. KALKANI, E. CHARVALOS, D. AVGOUSTIDIS, D. HAIDOPOULOS, C. YAPIJAKIS ( <i>Athens, Greece</i> ) .....	3401
Extrapulmonary Small Cell Carcinoma (EPSCC): 10 Years' Multi-disciplinary Experience at Charite. S. OCHSENREITHER, S. MARNITZ-SCHULTZE, A. SCHNEIDER, C. KOEHLER, S. DAUM, C. LODDENKEMPER, V. BUDACH, E. THIEL, U. KEILHOLZ, A. SCHMITTEL ( <i>Berlin, Germany</i> ) .....	3411
Influence of KGF on the Progression of Pancreatic Cancer. X.-P. ZANG, M. LERNER, D. BRACKETT, J.T. PENTO ( <i>Oklahoma City, OK, USA</i> ) .....	3417
Cyfra 21-1 as a Serum Tumor Marker for Follow-up of Patients with Laryngeal and Hypopharyngeal Squamous Cell Carcinoma. H. AL-SHAGAHIN, K. ALKOTYFAN, H.-H. MÜLLER, A.M. SESTERHENN, J.A. WERNER ( <i>Marburg, Germany</i> ) .....	3421
A Comparison of Stage of Presentation for Pancreatic and Colorectal Cancer in Pennsylvania 2000-2005. M. CHIRUMBOLE, N. GUSANI, A. HOWARD, T. LEONARD, P. LEWIS, J. MUSCAT ( <i>Hershey, PA, USA</i> ) .....	3427
Efficiency of Iloprost Treatment for Chemotherapy-associated Osteonecrosis after Childhood Cancer. M. JÄGER, C. ZILKENS, B. WESTHOFF, E.M. JELINEK, G. KOZINA, R. KRAUSPE ( <i>Düsseldorf, Germany</i> ) .....	3433
Docetaxel plus Gemcitabine as First-line Treatment in Malignant Pleural Mesothelioma: A Single Institution Phase II Study. M. RALLI, I. TOURKANTONIS, N. MAKRILIA, E. GKINI, E. KOTTEAS, I. GKIOZOS, N. KATIRTZOGLU, K. SYRIGOS ( <i>Athens, Greece</i> ) .....	3441
Clinicopathological Characteristics of Recurrence More than 10 Years after Surgery in Patients with Breast Carcinoma. H. TAKEUCHI, Y. MUTO, H. TASHIRO ( <i>Beppu; Oita, Japan</i> ) .....	3445
The AA Genotype of a <i>L1C</i> G842A Polymorphism Is Associated with an Increased Risk for Ovarian Cancer. M. HEUBNER, P. WIMBERGER, S. KASIMIR-BAUER, F. OTTERBACH, R. KIMMIG, W. SIFFERT ( <i>Duisburg-Essen, Germany</i> ) .....	3449

The BB Genotype of <i>Heat-shock Protein (HSP) 70-2</i> Gene Is Associated with Gastric Pre-malignant Condition in <i>H. pylori</i> -infected Older Patients. T. TAHARA, T. SHIBATA, T. ARISAWA, M. NAKAMURA, D. YOSHIOKA, M. OKUBO, N. MARUYAMA, T. KAMANO, Y. KAMIYA, H. FUJITA, M. NAGASAKA, M. IWATA, H. YAMASHITA, H. NAKANO, I. HIRATA ( <i>Aichi; Ishikawa, Japan</i> ) .....	3453
Preliminary Study of Detecting Urothelial Malignancy with FDG PET in Taiwanese ESRD Patients. S.-S. SUN, C.-H. CHANG, H.-J. DING, C.-H. KAO, H.-C. WU, T.-C. HSIEH ( <i>Taichung; Kaohsiung, Taiwan, ROC</i> ).....	3459
Serum and Tissue Selenium Levels in Gastric Cancer Patients and Correlation with CEA. K. CHARALABOPOULOS, A. KOTSALOS, A. BATISTATOU, A. CHARALABOPOULOS, D. PESCHOS, P. VEZYRAKI, V. KALFAKAKOU, A. METSIOS, A. CHARALAMPOPOULOS, A. MACHERAS, N. AGNANTIS, A. EVANGELOU ( <i>Ioannina; Athens, Greece</i> ).....	3465

\* Reviews (pages 3289, 3353)