

ANTICANCER RESEARCH

International Journal of Cancer Research and Treatment

ISSN: 0250-7005

Volume 31, Number 12, December 2011

Contents

Experimental Studies

- Quantification of Angiogenesis in Breast Cancer by Automated Vessel Identification in CD34 Immunohistochemical Sections. L.T.G. MIKALSEN, H.P. DHAKAL, Ø.S. BRULAND, J.M. NESLAND, D.R. OLSEN (*Oslo; Bergen, Norway*) 4053
- Establishing Efficient Xenograft Models with Intrinsic Vascularisation for Growing Primary Human Low-grade Sarcomas. D. TILKORN, A. DAIGELER, I. STRICKER, A. SCHAFFRAN, I. SCHMITZ, L. STEINSTRÄESSER, J. HAUSER, A. RING, H.-U. STEINAU, S. AL-BENNA (*Ludwigshafen; Bochum, Germany*)..... 4061
- Inhibition of Human Tumor Xenograft Growth in Nude Mice by a Novel Monoclonal Anti-HSPG Isolated from Human Liver. P. VONGCHAN, S. KOTHAN, Y. WUTTI-IN, R.J. LINHARDT (*Ciang Mai, Thailand; Troy, NY, USA*) 4067
- L-Type Amino Acid Transporter 1 (LAT1) Expression in Malignant Pleural Mesothelioma. K. KAIRA, N. ORIUCHI, T. TAKAHASHI, K. NAKAGAWA, Y. OHDE, T. OKUMURA, H. MURAKAMI, T. SHUKUYA, H. KENMOTSU, T. NAITO, Y. KANAI, M. ENDO, H. KONDO, T. NAKAJIMA, N. YAMAMOTO (*Shizuoka; Maebashi, Gunma; Osaka, Japan*)..... 4075
- * Review: Electrotransfer of RNAi-based Oligonucleotides for Oncology. S. CHABOT, S. PELOFY, A. PAGANIN-GIOANNI, J. TEISSIE, M. GOLZIO (*Toulouse, France*) 4083
- The Novel Vitamin D Analog ZK191784 Inhibits Prostate Cancer Cell Invasion. M. STIO, M. MARTINESI, A. SIMONI, U. ZUEGEL, A. STEINMEYER, R. SANTI, C. TREVES, G. NESI (*Florence, Italy; Berlin, Germany*)..... 4091

Contents continued on the back cover

Characterization of T-Cell Memory Phenotype after <i>In Vitro</i> Expansion of Tumor-infiltrating Lymphocytes from Melanoma Patients. J. ZHOU, P. NAGARKATTI, Y. ZHONG, M. NAGARKATTI (<i>Columbia, SC, USA</i>)	4099
Effects of Artemisinin Dimers on Rat Breast Cancer Cells <i>In Vitro</i> and <i>In Vivo</i> . N.P. SINGH, H.C. LAI, J.S. PARK, T.E. GERHARDT, B.J. KIM, S. WANG, T. SASAKI (<i>Seattle, WA, USA</i>)	4111
Histone-modifier Gene Expression Profiles Are Associated with Pathological and Clinical Outcomes in Human Breast Cancer. N. PATANI, W.G. JIANG, R.F. NEWBOLD, K. MOKBEL (<i>London; Cardiff, Wales, UK</i>)	4115
<i>PINCH</i> mRNA Overexpression in Colorectal Carcinomas Correlated with <i>VEGF</i> and <i>FAS</i> mRNA Expression. Z.Y. ZHANG, Y.F. TIAN, Y.Y. WANG, L.J. ZHANG, Z.R. ZHAO, X.F. SUN (<i>Tangshan; Shijiazhuang, PR China; Linköping, Sweden</i>)	4127
ERCC1 Expression and Outcomes in Head and Neck Cancer Treated with Concurrent Cisplatin and Radiation. M. HAYES, C. LAN, J. YAN, Y. XIE, T. GRAY, R.H. AMIRKHAN, J.E. DOWELL (<i>Miramar Beach, FL; Modesto, CA; Dallas, TX, USA</i>)	4135
Treatment of Bone Metastasis in Prostate Cancer: Efficacy of a Novel Polybisphosphonate. F. DAUBINE, R. LE BOT, M. MÁRQUEZ, S. NILSSON, T. SCHRÖDER, A.R. HOLMBERG (<i>Nantes, France; Stockholm, Sweden</i>).....	4141
<i>REG4</i> , <i>NEIL2</i> , and <i>BIRC5</i> Gene Expression Correlates with Gamma-radiation Sensitivity in Patients with Rectal Cancer Receiving Radiotherapy. T. KOBUNAI, T. WATANABE, T. FUKUSATO (<i>Tokyo, Japan</i>)	4147
Overexpressed HER2 in NSCLC Is a Possible Therapeutic Target of EGFR Inhibitors. N. ISE, K. OMI, D. NAMBARA, S. HIGASHIYAMA, K. GOISHI (<i>Tokyo; Ehime, Japan</i>)	4155
Acridine Orange Inhibits Pulmonary Metastasis of Mouse Osteosarcoma. H. SATONAKA, K. KUSUZAKI, K. AKEDA, M. TSUJII, T. IINO, T. UEMURA, T. MATSUBARA, T. NAKAMURA, K. ASANUMA, A. MATSUMINE, A. SUDO (<i>Tsu City, Mie; Kyoto City, Kyoto, Japan</i>)	4163
Effects of Inorganic and Organic Arsenic Compounds on Growth and Apoptosis of Human T-Lymphoblastoid Leukemia Cells. E. HIKITA, M. ARAI, S. TANAKA, K. ONDA, H. UTSUMI, B. YUAN, H. TOYODA, T. HIRANO (<i>Hachioji; Tokyo, Tokyo; Sagami-hara, Kanagawa, Japan</i>)	4169
Mutational Screening of <i>RET</i> , <i>HRAS</i> , <i>KRAS</i> , <i>NRAS</i> , <i>BRAF</i> , <i>AKT1</i> , and <i>CTNNB1</i> in Medullary Thyroid Carcinoma. H.-J. SCHULTEN, J. AL-MAGHRABI, K. AL-GHAMDI, S. SALAMA, S. AL-MUHAYAWI, A. CHAUDHARY, O. HAMOUR, A. ABUZENADAH, M. GARI, M. AL-QAHTANI (<i>Jeddah, Saudi Arabia</i>)	4179
Inactivated Orf virus (<i>Parapoxvirus ovis</i>) Induces Antitumoral Activity in Transplantable Tumor Models. H.-H. FIEBIG, A. SIEGLING, H.-D. VOLK, A. FRIEBE, P. KNOLLE, A. LIMMER, O. WEBER (<i>Freiburg; Wuppertal; Bonn, Germany</i>)	4185
Expression of the Apoptosis-related Genes <i>Bcl-2</i> and <i>p53</i> in Clinical Samples from Endometrial Carcinoma Patients. I. GONZÁLEZ-RODILLA, V. VERNA, A.-B. MUÑOZ, J. ESTÉVEZ, M. BOIX, J. SCHNEIDER (<i>Santander, Spain</i>).....	4191
Yeast-derived Beta-(1-3),(1-6)-D-glucan Induces Up-regulation of CD86 on Dectin-1 ^{positive} Human B-Lymphoma Cell Lines. U. HARNACK, U. KELLERMANN, G. PECHER (<i>Berlin, Germany</i>).....	4195
Thioridazine Induces Apoptosis of Multidrug-resistant Mouse Lymphoma Cells Transfected with the Human <i>ABC1</i> and Inhibits the Expression of P-Glycoprotein. G. SPENGLER, J. MOLNAR, M. VIVEIROS, L. AMARAL (<i>Szeged, Hungary; Lisboa, Portugal; Brussels, Belgium</i>)	4201
Reliability of Direct Sequencing of EGFR: Comparison between Cytological and Histological Samples from the Same Patient. P. BRUNO, S. MARIOTTA, A. RICCI, E. DURANTI, D. SCOZZI, A. NOTO, R. MANCINI, E. GIARNIERI, M.R. GIOVAGNOLI (<i>Rome, Italy</i>)	4207

Prognostic Significance of N-Cadherin Expression in Oral Squamous Cell Carcinoma. M. DI DOMENICO, G.M. PIERANTONI, A. FEOLA, F. ESPOSITO, L. LAINO, A. DE ROSA, R. RULLO, M. MAZZOTTA, M. MARTANO, F. SANGUEDOLCE, L. PERILLO, L. D'ANGELO, S. PAPAGERAKIS, S. TORTORELLA, P. BUFO, L. LO MUZIO, G. PANNONE, A. SANTORO (<i>Naples; Foggia; Bari, Italy; Ann Arbor, MI, USA</i>)	4211
Circulating Tumor Cells and “Suspicious Objects” Evaluated Through CellSearch® in Metastatic Renal Cell Carcinoma. A. GRADILONE, R. IACOVELLI, E. CORTESI, C. RAIMONDI, W. GIANNI, C. NICOLAZZO, A. PETRACCA, A. PALAZZO, F. LONGO, L. FRATI, P. GAZZANIGA (<i>Rome, Italy</i>)	4219
Resveratrol Reduces TNF- α -induced U373MG Human Glioma Cell Invasion through Regulating NF- κ B Activation and uPA/uPAR Expression. J. RYU, B.M. KU, Y.K. LEE, J.Y. JEONG, S. KANG, J. CHOI, Y. YANG, D.H. LEE, G.S. ROH, H.J. KIM, G.J. CHO, W.S. CHOI, N. KIM, S.S. KANG (<i>Jinju; Gimhae; Seoul, South Korea</i>)	4223
Quantitative Structure-Activity Relationship (QSAR) Analysis of Tumor-specificity of 1,2,3,4-Tetrahydroisoquinoline Derivatives. Y. UESAWA, K. MOHRI, M. KAWASE, M. ISHIHARA, H. SAKAGAMI (<i>Tokyo; Matsuyama; Saitama, Japan</i>)	4231
Cytoskeleton Network and Cellular Migration Modulated by Nuclear-localized Receptor Tyrosine Kinase ROR1. H.-C. TSENG, H.-W. KAO, M.-R. HO, Y.-R. CHEN, T.-W. LIN, P.-C. LYU, W.-C. LIN (<i>Hsinchu; Taipei, Taiwan, ROC</i>)	4239
Novel Cytotoxic Isolated from Jamaican Hyptis verticillata jacq Induces Apoptosis and Overcomes Multidrug Resistance. Y. WHITE, T. HAMADA, M. YOSHIMITSU, M. NAKASHIMA, M. HACHIMAN, T. KOZAKO, K. MATSUSHITA, K. UOZUMI, S. SUZUKI, H. KOFUNE, T. FURUKAWA, N. ARIMA (<i>Kagoshima; Fukuoka, Japan</i>)	4251
IGF1Ec Expression in MG-63 Human Osteoblast-like Osteosarcoma Cells. A. PHILIPPOU, A. ARMAKOLAS, Z. PANTELEAKOU, N. PISSIMISSIS, A. NEZOS, A. THEOS, M. KAPARELOU, N. ARMAKOLAS, S.G. PNEUMATICOS, M. KOUTSILIERIS (<i>Athens, Greece</i>)	4259
Mutations of Mitochondrial DNA as Potential Biomarkers in Breast Cancer. F.F. CAI, C. KOHLER, B. ZHANG, W.J. CHEN, Z. BAREKATI, H.S.P. GARRITSEN, P. LENNER, P. TONIOLO, J.J. ZHANG, X.Y. ZHONG (<i>Basel; Lausanne, Switzerland; Braunschweig, Germany; Umeå, Sweden; Hefei, Anhui, PR China</i>)	4267
Differential CD133 Expression Pattern during Mouse Colon Tumorigenesis. V. ARENA, E. CAREDDA, V. CUFINO, E. STIGLIANO, F. SCALDAFERRI, A. GASBARRINI, A. CITTADINI, A. SGAMBATO (<i>Rome, Italy</i>)	4273
The Expression of Ki-67, but Not Proliferating Cell Nuclear Antigen, Predicts Poor Disease Free Survival in Patients with Adenocarcinoma of the Lung. S. OKA, H. URAMOTO, H. SHIMOKAWA, T. IWANAMI, F. TANAKA (<i>Kitakyushu, Japan</i>)	4277
Synergism from the Combination of Oxaliplatin with Selected Phytochemicals in Human Ovarian Cancer Cell Lines. N.M. YUNOS, P. BEALE, J.Q. YU, F. HUQ (<i>Kepong, Malaysia; Sydney, NSW, Australia</i>)	4283
Investigation of Cell Death Induced by N-Methyl-N-Nitrosourea in Cell Lines of Human Origin and Implication of RNA Binding Protein Alterations. A. KORYLLOU, M. PATRINO-GEORGOULA, A. DIMOZI, S.A. KYRTOPOULOS, V. PLETSIA (<i>Athens, Greece</i>)	4291
Association of p53 and CDKN1A Genotypes with Endometriosis. T.-H. YING, C.-J. TSENG, S.-J. TSAI, S.-C. HSIEH, H.-Z. LEE, Y.-H. HSIEH, D.-T. BAU (<i>Taichung, Taiwan, ROC</i>)	4301
Human Brain Endothelial Cell-derived COX-2 Facilitates Extravasation of Breast Cancer Cells Across the Blood-brain Barrier. K.Y. LEE, Y.-J. KIM, H. YOO, S.H. LEE, J.B. PARK, H.J. KIM (<i>Goyang; Daejeon, Republic of Korea</i>)	4307

Differential Cytotoxic Effects of Sodium Meta-arsenite on Human Cancer Cells, Dental Papilla Stem Cells and Somatic Cells Correlate with Telomeric Properties and Gene Expression. B.-G. JEON, B.M KUMAR, E.-J. KANG, G.-H. MAENG, Y.-M. LEE, Y.-S. HAH, S.-A OCK, D.-O. KWACK, B.-W. PARK, G.-J. RHO (Jinju, Republic of Korea)	4315
Genome-wide Identification of Chemosensitive Single Nucleotide Polymorphism Markers in Gastric Cancer. Y.J. HA, S.N. YOON, Y.J. JEON, D.H. CHO, S.A. ROH, B.S. KIM, H.J. KIM, S.Y. KIM, Y.S. KIM, J.C. KIM (Seoul; Daejeon; Gyeonggi-Do, Republic of Korea)	4329
De-alcoholization of Paclitaxel Injection for Clinical Application. I. TSUKIYAMA, M. TAKEUCHI, F. ABE, T. KISI, H. SAITO, Y. OBAYASHI, K. WATANABE, A. WAKATSUKI, K.-I. MIYAMOTO, T. HASEGAWA (Aichi-gun, Aichi; Kanazawa, Ishikawa, Japan)	4339
Modulation of PGE2-induced EP4 Expression on <i>Snail</i> Signaling and the Impact on Epithelial-Mesenchymal Transition: Significance of EP4 Antagonism. H.N. KIM, N.K. NARAYANAN, S. LASANO, B. NARAYANAN (Tuxedo, NY, USA)	4347
<i>Clinical Studies</i>	
* Review: Impact of Cyclooxygenase-2 in Breast Cancer. F. HOELLEN, K. KELLING, C. DITTMER, K. DIEDRICH, M. FRIEDRICH, M. THILL (Luebeck; Krefeld, Germany)	4359
* Review: Estrogen Pathway Polymorphisms and Mammographic Density. I. DUMAS, C. DIORIO (Quebec City, QC, Canada)	4369
* Review: Targeting AKT Protein Kinase in Gastric Cancer. K. ALMHANNA, J. STROSBERG, M. MALAFA (Tampa, FL, USA)	4387
Feasibility of Image-guided Radiotherapy Based on Tomotherapy for the Treatment of Locally Advanced Anal Carcinoma. N.P. NGUYEN, J. VOCK, T. SROKA, R. KHAN, S. JANG, A. CHI, M. BETZ, L. EWELL, D. COHEN, R.P. VO, M. MILLS, V. VINH-HUNG (Galveston, TX, USA; Bern; Geneva, Switzerland)	4393
Primary Peritoneal Carcinoma in Complete Remission: a Case Report. J. RAMOS, K.S. GUNTURU, S. KRISHNAMOORTHY, B. KENNEY, M.W. SAIF (New Haven, CT; New York, NY, USA)	4397
Loss of p27 ^{KIP1} Expression in Fully-staged Node-negative Breast Cancer: Association with Lack of Hormone Receptors in T1a/b, but not T1c Infiltrative Ductal Carcinoma. D. MIRCHANDANI, D.F. ROSES, G. INGHIRAMI, A. ZELENIUCH-JACQUOTTE, J. CANGIARELLA, A. GUTH, R.A. SAFYAN, S.C. FORMENTI, M. PAGANO, F. MUGGIA (New York, NY, USA)	4401
Triple Induction Chemotherapy and Chemoradiotherapy for Locally Advanced Esophageal Cancer. A Phase II Study. W. EISTERER, A. DE VRIES, D. KENDLER, B. SPECHTENHAUSER, A. KÖNIGSRÄINER, H. NEHODA, I. VIRGOLINI, P. LUKAS, O. BECHTER, E. WÖLL, D. ÖFNER (Innsbruck; Feldkirch; Kufstein; St. Johann; Zams; Salzburg, Austria; Tübingen, Germany)	4407
Intraepidermal Nerve Fibre Density in Cancer Patients Receiving Adjuvant Chemotherapy. M.J. KOSKINEN, A.-L. KAUTIO, M.L. HAANPÄÄ, H.K. HAAPASALO, P.-L. KELLOKUMPU-LEHTINEN, T. SAARTO, A.J. HIETAHARJU (Tampere; Helsinki, Finland)	4413
First Study of Oral Artenimol-R in Advanced Cervical Cancer: Clinical Benefit, Tolerability and Tumor Markers. F. H. JANSEN, I. ADOUBI, K.C. COMOË, T. DE CNODDER, N. JANSEN, A. TSCHULAKOW, T. EFFERTH (Abidjan, Côte d'Ivoire; Liège, Belgium; Mainz, Germany)	4417
Impaired Bone Microenvironment: Correlation between Bone Density and Presence of Disseminated Tumor Cells. B. KRAEMER, R. ROTHMUND, M. BANYS, N. KRAWCZYK, E.-F. SOLOMAYER, C. MACK, D. WALLWIENER, T. FEHM (Tuebingen; Hamburg; Homburg, Germany)	4423

Immunohistochemical Study of VEGF Expression in Oral Squamous Cell Carcinomas: Correlation with the mTOR-HIF-1 α Pathway. T. NARUSE, G. KAWASAKI, S. YANAMOTO, A. MIZUNO, M. UMEDA (Nagasaki, Japan)	4429
Oxaliplatin, Irinotecan and Cetuximab in Advanced Gastric Cancer. A Multicenter Phase II Trial (Gastric-2) of the Arbeitsgemeinschaft Medikamentöse Tumortherapie (AGMT). E. WÖLL, R. GREIL, W. EISTERER, O. BECHTER, M.A. FRIDRIK, B. GRÜNBERGER, A. ZABERNIGG, B. MAYRBAURL, G. RUSS, M. DLASKA, P. OBRIST, J. THALER (Zams; Salzburg; Innsbruck; Linz; Vienna; Kufstein; Wels, Austria)	4439
PCA3 Score vs PSA Free/Total Accuracy in Prostate Cancer Diagnosis at Repeat Saturation Biopsy. P. PEPE, F. ARAGONA (Catania, Italy)	4445
The EMT Status in the Primary Tumor Does Not Predict Postoperative Recurrence or Disease-free Survival in Lung Adenocarcinoma. Y. CHIKAIISHI, H. URAMOTO, F. TANAKA (Kitakyushu, Japan)	4451
Correlation between <i>IDHI</i> Gene Mutation Status and Survival of Patients Treated for Recurrent Glioma. S. LV, E. TEUGELS, J. SADONES, E. QUARTIER, M. HUYLEBROUCK, S. DU FOUR, M. LE MERCIER, O. DE WITTE, I. SALMON, A. MICHOTTE, J. DE GRÈVE, B. NEYNS (Brussels, Belgium)	4457
Effect of Maintenance Chemotherapy with Gemcitabine and Paclitaxel on Recurrent Squamous Cell Carcinoma of the Bladder: A Case Report. Y. MIYATA, S.-I. WATANABE, H. TAKAHASHI, Y. SAGARA, T. MATSUO, K. OHBA, H. SAKAI (Nagasaki, Japan)	4465
External Validation of a Laparoscopic-based Score to Evaluate Resectability for Patients with Advanced Ovarian Cancer Undergoing Interval Debulking Surgery. E. CHEREAU, V. LAVOUE, M. BALLESTER, C. COUTANT, F. SELLE, A. CORTEZ, E. DARAI, J. LEVEQUE, R. ROUZIER (Paris; Rennes, France)	4469
Anaplastic Oligodendroglial Tumors Harboring 1p/19q Deletion Can Be Successfully Treated without Radiotherapy. Y. IWADATE, T. MATSUTANI, N. SHINOZAKI, N. SAEKI (Chiba City, Chiba, Japan)	4475
Synchronous Double Tumor of Breast Cancer and Gastrointestinal Stromal Tumor in a Patient with Neurofibromatosis Type 1: Report of a Case. H. TAKEUCHI, S. HIROSHIGE, K. HASHIMOTO, T. KUSUMOTO, Y. YOSHIKAWA, Y. MUTO (Beppu, Japan)	4481
Clinical and Histopathological Profile of Primary or Secondary Osteosarcoma of the Jaws. F. ANGIERO, F. MOLTRASIO, G. CATTORETTI, M.G. VALENTE (Genoa; Milan, Italy)	4485
The Cancer Stem Cell Antigens CD133, BCRP1/ABCG2 and CD117/c-KIT Are Not Associated with Prognosis in Resected Early-stage Non-small Cell Lung Cancer. E. HERPEL, K. JENSEN, T. MULEY, A. WARTH, P.A. SCHNABEL, M. MEISTER, F.J.F. HERTH, H. DIENEMANN, M. THOMAS, S. GOTTSCHLING (Heidelberg, Germany)	4491
Evidence for Acute Vascular Toxicity of Cisplatin-based Chemotherapy in Patients with Germ Cell Tumour. K.-P. DIECKMANN, W.J. STRUSS, U. BUDDE (Hamburg, Germany)	4501
Circulating CD95-ligand as a Potential Prognostic Marker for Recurrence in Patients with Synchronous Colorectal Liver Metastases. F.J.H. HOOGWATER, N. SNOEREN, M.W. NIJKAMP, A.C. GUNNING, W.J. VAN HOUTD, M.T. DE BRUIJN, E.E. VOEST, R. VAN HILLEGERSBERG, O. KRANENBURG, I.H.M. BOREL RINKES (Utrecht, Netherlands)	4507
Dissection of Unsuspectious Para-aortic Lymph Nodes Does Not Improve Prognosis of Advanced Endometrial Carcinoma with Intra- or Extra-abdominal Metastasis. Y. UEDA, M. OKAZAWA, T. ENOMOTO, T. EGAWA-TAKATA, KIMURA TOSHIHIRO, K. YOSHINO, M. FUJITA, Y. OHTA, S. KAMIURA, KIMURA TADASHI (Osaka, Japan)	4513

Continuous Administration of EGFR-TKIs Following Radiotherapy after Disease Progression in Bone Lesions for Non-small Cell Lung Cancer. M. INOMATA, T. SHUKUYA, T. TAKAHASHI, A. ONO, Y. NAKAMURA, A. TSUYA, H. KENMOTSU, T. NAITO, H. MURAKAMI, H. HARADA, M. ENDO, N. YAMAMOTO (<i>Shizuoka; Toyama; Tokyo, Japan</i>)	4519
Hypersensitivity Reactions Associated with Platinum-containing Antineoplastic Agents for Thoracic Malignancies. M. TAMIYA, H. KUHARA, T. HIRASHIMA, Y. KONDO, M. SANTO, N. MORISHITA, H. SUZUKI, S. SASADA, N. OKAMOTO, M. KOBAYASHI, I. KAWASE (<i>Osaka; Tokyo, Japan</i>).....	4525
Carbonic Anhydrase IX, Hypoxia-inducible Factor-1 α , Ezrin and Glucose Transporter-1 as Predictors of Disease Outcome in Rectal Cancer: Multivariate Cox Survival Models following Data Reduction by Principal Component Analysis of the Clinicopathological Predictors. E.A. KORKEILA, J. SUNDSTRÖM, S. PYRHÖNEN, K. SYRJÄNEN (<i>Turku, Finland</i>)	4529
Retrospective Study of Patients with Brain Metastases from Melanoma Receiving Concurrent Whole-brain Radiation and Temozolomide. N. DEVITO, M. YU, R. CHEN, E. PAN (<i>Tampa, FL, USA</i>)	4537
Perioperative Non-tumorous Factors Associated with Survival in HCC Patients Who Underwent Hepatectomy. A. NANASHIMA, T. ABO, K. HAMASAKI, K. WAKATA, T. TOMINAGA, S. HIDAKA, H. TAKESHITA, T. NAGAYASU (<i>Nagasaki, Japan</i>)	4545
Initial Experience with Hepatic Intraarterial Fotemustine and Interferon Alpha 2b Combination for Treatment of Liver Tumors. F.V. VITALE, P. ROMEO, E.M. DI MAGGIO, A. PARISI, E. MALAPONTE, S. CALÌ, F. VASTA, V. PANEBIANCO, D. ARCORIA, F. FERRAÛ (<i>Taormina; Catania, Italy</i>)	4553
Prospective Study Evaluating the Plasma Concentrations of Twenty-six Cytokines and Response to Morphine Treatment in Cancer Patients. C. MAKIMURA, T. ARAO, H. MATSUOKA, M. TAKEDA, H. KIYOTA, J. TSURUTANI, Y. FUJITA, K. MATSUMOTO, H. KIMURA, M. OTSUKA, A. KOYAMA, C.K. IMAMURA, T. YAMANAKA, K. TANAKA, K. NISHIO, K. NAKAGAWA (<i>Osaka, Sakai; Habikino, Osaka; Tokyo; Fukuoka, Japan</i>)	4561
Impact of Chemotherapy for Colorectal Cancer on Regulatory T-Cells and Tumor Immunity. K. MAEDA, S. HAZAMA, K. TOKUNO, S. KAN, Y. MAEDA, Y. WATANABE, R. KAMEI, Y. SHINDO, N. MAEDA, K. YOSHIMURA, S. YOSHINO, M. OKA (<i>Yamaguchi, Japan</i>)	4569
Radiofrequency Ablation for Intrahepatic Cholangiocarcinoma: Retrospective Analysis of a Single Centre Experience. A. GIORGIO, G. CALISTI, G. DE STEFANO, N. FARELLA, A. DI SARNO, F. AMENDOLA, U. SCOGNAMIGLIO, V. GIORGIO (<i>Naples; Rome, Italy</i>)	4575
Trans-Arterial Chemoembolization of Metastatic Colorectal Carcinoma to the Liver Adopting DC Bead®, Drug-eluting Bead Loaded with Irinotecan: Results of a Phase II Clinical Study. C. ALIBERTI, G. FIORENTINI, P.C. MUZZIO, F. POMERRI, M. TILLI, S. DALLARA, G. BENEÀ (<i>Padova; Pesaro; Ferrara, Italy</i>)	4581
Docetaxel, Nedaplatin, and S-1 (DGS) Chemotherapy for Advanced Esophageal Carcinoma: A Phase I Dose-escalation Study. Y. TANAKA, K. YOSHIDA, S. OSADA, K. YAMAGUCHI, T. TAKAHASHI (<i>Gifu City, Gifu, Japan</i>)	4589
Long-term Survival Following Resection of Brain Metastases from Pancreatic Cancer. J. LEMKE, T.F.E. BARTH, M. JUCHEMS, T. KAPAPA, D. HENNE-BRUNS, M. KORNMANN (<i>Ulm, Germany</i>)	4599
Comparison of Lymphangiogenesis between Primary Colorectal Cancer and Corresponding Liver Metastases. A. SCHOPPMANN, D. TAMANDL, B. HERBERGER, F. LANGLE, P. BIRNER, S. GELEFF, T. GRÜNBERGER, S.F. SCHOPPMANN (<i>Vienna, Austria</i>)	4605

Salvage Chemotherapy for Ovarian Carcinoma Recurring During or After Consolidation Chemotherapy with Paclitaxel. Y. MIYOSHI, Y. UEDA, A. MORIMOTO, T. YOKOYAMA, S. MATSUZAKI, E. KOBAYASHI, KIMURA TOSHIHIRO, K. YOSHINO, M. FUJITA, T. ENOMOTO, KIMURA TADASHI (<i>Suita, Osaka, Japan</i>)	4613
Clinical Significance of <i>BRAF</i> Gene Mutations in Patients with Non-small Cell Lung Cancer. M. KOBAYASHI, M. SONOBE, T. TAKAHASHI, A. YOSHIZAWA, M. ISHIKAWA, R. KIKUCHI, K. OKUBO, C.-L. HUANG, H. DATE (<i>Kyoto, Japan</i>)	4619
Weekly Paclitaxel in Combination with Doxifluridine for Peritoneally Disseminated Gastric Cancer with Malignant Ascites. I. TAKEYOSHI, F. MAKITA, S. IWAZAKI, H. ISHIKAWA, S. KAKINUMA, Y. SATO, T. OHYA, K. NAKAGAMI, N. TOMIZAWA, M. IZUMI, I. KOBAYASHI, Y. TANAHASHI, J. KOBAYASHI, N. KAMOSHITA, S. KAWATE, Y. SUNOSE, I. SAKAMOTO, D. YOSHINARI, T. YAMADA, T. OKABE (<i>Maebashi; Shibukawa; Tatebayashi; Takasaki; Gunma; Fujiyoshida, Yamanashi; Usui; Koriyama, Fukushima; Ojiya, Niigata; Ogawa, Saitama; Suto, Kumamoto, Japan</i>)	4625
The Prognostic Significance of HER2 Overexpression in Non-small Cell Lung Cancer. M. TAKENAKA, T. HANAGIRI, S. SHINOHARA, T. KUWATA, Y. CHIKAIISHI, S. OKA, Y. SHIGEMATSU, Y. NAGATA, H. SHIMOKAWA, M. NAKAGAWA, H. URAMOTO, T. SO, F. TANAKA (<i>Kitakyushu, Japan</i>)	4631
Single-agent Paclitaxel in Advanced Anal Cancer after Failure of Cisplatin and 5-Fluorouracil Chemotherapy. A. ABBAS, E. NEHME, M. FAKIH (<i>Buffalo, NY; Ann Arbor, MI, USA</i>)	4637
Clinical Characteristics and Treatment Outcomes of Hepatocellular Carcinoma with Inferior Vena Cava/Heart Invasion. Y.H. CHUN, S.H. AHN, J.Y. PARK, D.Y. KIM, K.-H. HAN, C.Y. CHON, S.J. BYUN, S.U. KIM (<i>Seoul, South Korea</i>)	4641
Clinical Significance of Hypermethylation Status in NSCLC: Evaluation of a 30-Gene Panel in Patients with Advanced Disease. M. PESEK, M. KOPECKOVA, L. BENESOVA, A. MESZAROSOVA, P. MUKENSNABL, F. BRUHA, M. MINARIK (<i>Pilsen; Prague, Czech Republic</i>)	4647
Growth Factors and Breast Tumors, Comparison of Selected Growth Factors with Traditional Tumor Markers. R. KUCERA, M. CERNA, A. NARSANSKA, S. SVOBODOVA, M. STRAKOVA, J. VRZALOVA, R. FUCHSOVA, I. TRESKOVA, T. KYDLICEK, V. TRESKA, L. PECEN, O. TOPOLCAN, P. PAZDIORA (<i>Pilsen; Prague, Czech Republic</i>)	4653
Multi-center Phase II Study of FLOX for Advanced Colorectal Cancer Patients in Japan: SWIFT 3 Study. T. KATO, N. NAGATA, M. FUJII, H. TAKEMOTO, K. KONDO, Y. OKUYAMA, H. TOMINAGA, J. SAKAMOTO, H. MISHIMA (<i>Hyogo; Kitakyushu; Osaka; Sakai; Nagoya; Kyoto; Hiroshima, Japan</i>)	4657
Low Dihydropyrimidine Dehydrogenase Correlates with Prolonged Survival in Patients with Lung Adenocarcinoma Treated with 5-Fluorouracil. Y. SHINTANI, M. INOUE, Y. FUNAKOSHI, A. MATSUMURA, M. OHTA, H. MAEDA, M. OKUMURA (<i>Osaka, Japan</i>)	4665
Index	4673

* Reviews (pages 4083, 4359, 4369, 4387)