

ANTICANCER RESEARCH

International Journal of Cancer Research and Treatment

ISSN: 0250-7005

Volume 37, Number 9, September 2017

Contents

Reviews

- Thrombocytosis Portends Adverse Prognosis in Colorectal Cancer: A Meta-Analysis of 5,619 Patients in 16 Individual Studies. D. GU, A. SZALLASI (*Livingston, NJ; Jacksonville, FL, USA*)..... 4717
- Lidocaine Stimulates the Function of Natural Killer Cells in Different Experimental Settings. J.P. CATA, M.F. RAMIREZ, J.F. VELASQUEZ, A. DI, K.U. POPAT, V. GOTTUMUKKALA, D.M. BLACK, V.O. LEWIS, J.N. VAUTHEY (*Houston; Temple, TX; Boston, MA, USA; Medellin, Colombia*) 4727
- Physical Needs of Long-term Cancer Patients. P. TRALONGO, M.G. PESCARINICO, A. SURBONE, S. BORDONARO, M. BERRETTA, A. DI MARI (*Syracuse; Parma; Aviano, Italy; New York, NY, USA*) 4733
- Deepening a Simple Question: Can MSCs Be Used to Treat Cancer? J.P.A. GOMES, A.F. ASSONI, M. PELATTI, G. COATTI, O.K. OKAMOTO, M. ZATZ (*Sao Paulo, Brazil*)..... 4747
- Colorectal Carcinogenesis: Role of Oxidative Stress and Antioxidants. F. CARINI, M. MAZZOLA, F. RAPPÀ, A. JURJUS, A.G. GEAGEA, S. AL KATTAR, T. BOU-ASSI, R. JURJUS, P. DAMIANI, A. LEONE, G. TOMASELLO (*Palermo, Italy; Beirut; Jal El Dib, Lebanon; Washington, DC, USA*)..... 4759
- Fluoride Induces Apoptosis in Mammalian Cells: *In Vitro* and *In Vivo* Studies. D.A. RIBEIRO, C.M. CARDOSO, V.Q. YUJRA, M.D.B. VIANA, O. AGUIAR JR, L.P. PISANI, C.T.F. OSHIMA (*Sao Paulo, Brazil*) 4767

Experimental Studies

- Gefitinib Enhances Mitochondrial Biological Functions in NSCLCs with *EGFR* Mutations at a High Cell Density. T. TAKENAKA, M. KATAYAMA, A. SUGIYAMA, M. HAGIWARA, I. FUJII, T. TAKATANI-NAKASE, S.S. KOBAYASHI, I. NAKASE (*Sakai; Osaka; Nishinomiya, Japan; Boston, MA, USA*)..... 4779

Contents continued on the back cover

Phosphoproteomic Analysis Identifies Signaling Pathways Regulated by Curcumin in Human Colon Cancer Cells. T. SATO, Y. HIGUCHI, Y. SHIBAGAKI, S. HATTORI (<i>Tokyo; Nagoya, Japan</i>).....	4789
Inhibitory Activity of Iron Chelators ATA and DFO on MCF-7 Breast Cancer Cells and Phosphatases PTP1B and SHP2. A. KUBAN-JANKOWSKA, K.K. SAHU, M. GORSKA-PONIKOWSKA, J.A. TUSZYNSKI, M. WOZNIAK (<i>Gdansk, Poland; Edmonton, Canada</i>).....	4799
Effective Metabolic Targeting of Human Osteosarcoma Cells <i>In Vitro</i> and in Orthotopic Nude-mouse Models with Recombinant Methioninase. K. IGARASHI, K. KAWAGUCHI, T. KIYUNA, K. MIYAKE, T. MURAKAMI, N. YAMAMOTO, K. HAYASHI, H. KIMURA, S. MIWA, H. TSUCHIYA, R.M. HOFFMAN (<i>San Diego, CA, USA; Kanazawa, Japan</i>).....	4807
Probing the Molecular Mechanisms Governing the Oncolytic Activity of <i>Paeonia suffruticosa</i> on Triple-negative Breast Cancer Cells <i>In Vitro</i> . D. KIM, D. RADIN, D. LEONARDI (<i>St. Louis, MO; New York, NY; Hackensack, NJ, USA</i>)	4813
Nicotinamide Phosphoribosyl Transferase a Reliable Marker of Progression in Cervical Dysplasia. M. VORA, L.A. ALATTIA, J. ANSARI, M. ONG, J. COTELINGAM, D. COPPOLA, R. SHACKELFORD (<i>Shreveport, LA; Tampa, FL, USA</i>).....	4821
Communicate or Die – A Model for HPV+ and HPV– CSCs and Their Interactions with SDF-1 α . F. JUNGBAUER, C. ADERHOLD, R. BIRK, K. HOERMANN, B. KRAMER, B. KUHLIN, C. THORN, C. UMBREIT, A. LAMMERT (<i>Mannheim; Marburg; Jena, Germany</i>)	4827
Role of ARHGAP24 in ADP Ribosylation Factor 6 (ARF6)-dependent Pseudopod Formation in Human Breast Carcinoma Cells. S. UEHARA, K. SAITO, H. ASAMI, Y. OHTA (<i>Kanagawa, Japan</i>)	4837
Increased <i>CXCL8</i> Expression Is Negatively Correlated with the Overall Survival of Patients with ER-Negative Breast Cancer. Q. FANG, X. WANG, G. LUO, M. YU, X. ZHANG, N. XU (<i>Changzhou, PR China; Lund, Sweden</i>)	4845
Transforming Growth Factor- β , Interleukin-10, and Serological Markers in EBV-associated Gastric Carcinoma. D. PACHNIA, B. DROP, A. DWORZAŃSKA, E. KLISZCZEWSKA, M. POLZ-DACEWICZ (<i>Ryki; Lublin, Poland</i>).....	4853
Discordance and Conversion Rates of Progesterone-, Estrogen-, and HER2/neu-Receptor Status in Primary Breast Cancer and Brain Metastasis Mainly Triggered by Hormone Therapy. M. TIMMER, J.-M. WERNER, G. RÖHN, M. ORTMANN, T. BLAU, C. CRAMER, P. STAVRINO, B. KRISCHEK, P. MALLMAN, R. GOLDBRUNNER (<i>Cologne, Germany</i>)	4859
Circulating Levels of VEGF and <i>CXCL1</i> Are Predictive of Metastatic Organotropism in Patients with Colorectal Cancer. R. DIVELLA, A. DANIELE, R. DE LUCA, M. SIMONE, E. NAGLIERI, E. SAVINO, I. ABBATE, C.D. GADALETA, G. RANIERI (<i>Bari, Italy</i>).....	4867
Bcl-2-like Protein 11 (BIM) Expression Is Associated with Favorable Prognosis for Patients with Cervical Cancer. B.W. KIM, H. CHO, K. YLAYA, H. KITANO, J.-Y. CHUNG, S.M. HEWITT, J.-H. KIM (<i>Bethesda, MD, USA; Incheon; Seoul, Republic of Korea; Otsu, Japan</i>)	4873
Expression of Cancer Stem Cell-associated <i>DKK1</i> mRNA Serves as Prognostic Marker for Hepatocellular Carcinoma. T. SAKABE, J. AZUMI, Y. UMEKITA, K. TORIGUCHI, E. HATANO, Y. HIROOKA, G. SHIOTA (<i>Yonago; Kyoto, Japan</i>)	4881
Induction and Analysis of Cytotoxic T-Lymphocytes that Recognize Autologous Oral Squamous Cell Carcinoma. J.-Y. OKAMOTO, A. MIYAZAKI, J.-I. KOBAYASHI, S. MIYAMOTO, T. SASAKI, T. KANASEKI, Y. HIROHASHI, T. TORIGOE, H. HIRATSUKA (<i>Sapporo, Japan</i>)	4889

Sunitinib Inhibits Breast Cancer Cell Proliferation by Inducing Apoptosis, Cell-cycle Arrest and DNA Repair While Inhibiting NF- κ B Signaling Pathways. H.M. KORASHY, Z.H. MAAYAH, F.E. AL ANAZI, A.M. ALSAAD, I.O. ALANAZI, O.M. BELALI, F.O. AL-ATAWI, A. ALSHAMSAN (<i>Riyadh, Kingdom of Saudi Arabia</i>)	4899
Amentoflavone Inhibits Metastatic Potential Through Suppression of ERK/NF- κ B Activation in Osteosarcoma U2OS Cells. P.-J. PAN, J.-J. TSAI, Y.-C. LIU (<i>Yilan; Taipei; Taichung, Taiwan, ROC</i>)	4911
Regorafenib Induces Apoptosis and Inhibits Metastatic Potential of Human Bladder Carcinoma Cells. F.-T. HSU, C.-C. SUN, C.-H. WU, Y.-J. LEE, C.-H. CHIANG, W.-S. WANG (<i>Taipei; Yilan; New Taipei City; Kaohsiung, Taiwan, ROC</i>)	4919
An Adaptation System to Avoid Apoptosis <i>via</i> Autophagy Under Hypoxic Conditions in Pancreatic Cancer Cells. S. OWADA, K. ITO, H. ENDO, Y. SHIDA, C. OKADA, T. NEZU, M. TATEMACHI (<i>Isehara, Japan</i>)	4927
Critical Overview of HER2 Assessment in Bladder Cancer: What Is Missing for a Better Therapeutic Approach? A.M. CIMPEAN, V. TARLUI, A.A. CUMPĂNAȘ, S. BOLINTINEANU, A. CUMPĂNAȘ, M. RAICA (<i>Timisoara, Romania</i>)	4935
GRP78 Regulates Apoptosis, Cell Survival and Proliferation in 5-Fluorouracil-resistant SNUC5 Colon Cancer Cells. J.H. LEE, Y.M. YOON, S.H. LEE (<i>Birmingham, AL, USA; Seoul; Cheonan, Republic of Korea</i>)	4943
The Association Between HSP90/topoisomerase I Immunophenotype and the Clinical Features of Colorectal Cancers in Respect to <i>KRAS</i> Gene Status. J.K. BAR, A. LIS-NAWARA, P. GRELEWSKI, L. NOGA, Z. GRZEBIENIAK, M. JELEŃ (<i>Wroclaw, Poland</i>)	4953
The Diagnostic Significance of Serum Alcohol Dehydrogenase Isoenzymes and Aldehyde Dehydrogenase Activity in Prostate Cancer Patients. K. ORYWAL, W. JELSKI, T. WEREL, M. SZMITKOWSKI (<i>Bialystok, Poland</i>)	4961
The Impact of Environmental Light Intensity on Experimental Tumor Growth. M.A. SUCKOW, W.R. WOLTER, G.E. DUFFIELD (<i>St. Paul, MN; Notre Dame, IN, USA</i>)	4967
The Contribution of Matrix Metalloproteinase-7 Promoter Genotypes in Breast Cancer in Taiwan. A.-K. CHOU, C.-L. HSIAO, T.-C. SHIH, H.-C. WANG, C.-W. TSAI, W.-S. CHANG, L.-C. LIU, T.-D. WAY, J.-G. CHUNG, D.-T. BAU (<i>Taichung, Taiwan, ROC</i>)	4973
Significance of Circulating Galectin-3 in Patients with Pancreatobiliary Cancer. T. SHIMURA, M. SHIBATA, K. GONDA, Y. KOFUNATO, R. OKADA, T. ISHIGAME, T. KIMURA, A. KENJO, K. KONO, S. MARUBASHI (<i>Fukushima, Japan</i>)	4979
Hedgehog Inhibition Upregulates TRK Expression to Antagonize Tumor Suppression in Small Cell Lung Cancer Cells. H. ONISHI, K. NAKAMURA, S. NAGAI, K. YANAI, A. YAMASAKI, M. KAWAMOTO, A. IMAIZUMI, T. MORISAKI (<i>Fukuoka; Tokyo, Japan</i>)	4987
Magnetic Resonance Compatibility of a Transponder Aimed for Radiotherapy Positioning – A Phantom Study. J. WIKSTROM, U. ISACSSON, B. JOHANSSON, B. LENNERNÄS (<i>Uppsala; Örebro, Sweden</i>)	4993
Role of Caspase-9 Gene Ex5+32 G>A (rs1052576) Variant in Susceptibility to Primary Brain Tumors. S. OZDOGAN, A. KAFADAR, S.G. YILMAZ, O. TIMIRCI-KAHRAMAN, U. GORMUS, T. ISBIR (<i>Istanbul, Turkey</i>)	4997
Usefulness of Flow Cytometry in Diagnosis of IgG4-Related Ophthalmic Disease and Extranodal Marginal Zone B-Cell Lymphoma of the Ocular Adnexa. S. KASE, K. ISHIJIMA, T. URAKI, Y. SUIMON, Y. SUZUKI, M. KASE, S. ISHIDA (<i>Sapporo, Japan</i>)	5001

Hedgehog Stimulation Suppresses Clonogenicity and Activates NOTCH Signalling in T-lymphoblastic Leukaemia Jurkat Cells. Y. OKUHASHI, M. ITOH, S. TOHDA (<i>Tokyo, Japan</i>).....	5005
Response of OVCAR-3 Cells to Cisplatin and Hyperthermia: Does Hyperthermia Really Matter? A. SUKOVAS, V. CESNA, A. JASUKAITIENE, G. BARAUSKAS, R.J. NADISAUSKIENE, Z. DAMBRAUSKAS, S. PASKAUSKAS, A. GULBINAS (<i>Kaunas, Lithuania</i>)	5011
<i>Clinical Studies</i>	
Outcomes and Prognostic Factors of Resected Salivary Gland Malignancies: Examining a Single Institution's 12-year Experience. T. GUTSCHENRITTER, M. MACHIORLATTI, S. VESELY, B. AHMAD, W. RAZAQ, M. RAZAQ (<i>Oklahoma City, OK, USA</i>).....	5019
Diffusion-weighted MRI Provides a Useful Biomarker for Evaluation of Radiotherapy Efficacy in Patients with Prostate Cancer. X. WU, P. REINIKAINEN, M. KAPANEN, T. VIERIKKO, P. RYYMIN, P.-L. KELLOKUMPU-LEHTINEN (<i>Tampere, Finland</i>)	5027
Comparison of the Serum Tumor Markers S100 and Melanoma-inhibitory Activity (MIA) in the Monitoring of Patients with Metastatic Melanoma Receiving Vaccination Immunotherapy with Dendritic Cells. U. USLU, S. SCHLIEP, K. SCHLIEP, M. ERDMANN, H.-U. KOCH, H. PARSCH, S. ROSENHEINRICH, D. ANZENGRUBER, A.K. BOSSERHOFF, G. SCHULER, B. SCHULER-THURNER (<i>Erlangen, Germany; Boston, MA, USA</i>)	5033
Long-term Clinical Results of Concurrent Chemoradiotherapy for Patients with Cervical Esophageal Squamous Cell Carcinoma. A. KUMABE, S. ZENDA, A. MOTEGI, M. ONOZAWA, N. NAKAMURA, T. KOJIMA, H. DAIKO, N. SHIGEMATSU, T. AKIMOTO (<i>Tokyo; Kashiwa, Japan</i>).....	5039
Clinical Significance of Salvage Esophagectomy for Patients with Esophageal Cancer and Factors of Influencing Long-term Survival. M. SOHDA, Y. KUMAKURA, H. SAITO, K. KURIYAMA, T. YOSHIDA, H. HONJYO, K. HARA, D. OZAWA, S. SUZUKI, N. TANAKA, M. SAKAI, T. MIYAZAKI, M. FUKUCHI, H. KUWANO (<i>Maebashi, Japan</i>)	5045
Clinicopathological Features of Ductal Carcinoma <i>In Situ</i> from ¹⁸ F-FDG-PET Findings. T. FUJII, K. YANAI, S. TOKUDA, Y. NAKAZAWA, S. KUROSUMI, S. OBAYASHI, R. YAJIMA, T. HIRAKATA, H. KUWANO (<i>Gunma, Japan</i>)	5053
Inflammatory Breast Cancer Outcomes in a Contemporary Series. E. PAN, L. TUNG, O. RAGAB, E. MOROCCO, J. WECSLER, R. SPOSTO, A. RAGHAVENDRA, E. CHUNG, J.E. LANG (<i>Los Angeles, CA, USA</i>)	5057
Detection of Ductal Carcinoma <i>In Situ</i> by Ultrasound and Mammography: Size-dependent Inaccuracy. C. EICHLER, S. ABRAR, J. PUPPE, M. ARNDT, R. OHLINGER, M. HAHN, M. WARM (<i>Cologne; Greifswald; Tuebingen, Germany</i>)	5065
Subcellular Localization of Maspin Correlates with Histone Deacetylase 1 Expression in Human Breast Cancer. M. WAKAHARA, T. SAKABE, Y. KUBOUCHI, K. HOSOYA, Y. HIROOKA, Y. YURUGI, K. NOSAKA, T. SHIOMI, H. NAKAMURA, Y. UMEKITA (<i>Tottori, Japan</i>)	5071
MRI and Ultrasound Fusion Imaging for Cervical Cancer. C. THÉODORE, J.M. LEVAILLANT, P. CAPMAS, N. CHABI, D. SKALLI, L. VIENET-LEGUÉ, B. HADDAD, H. FERNANDEZ, C. TOUBOUL (<i>Créteil; Paris, France</i>)	5079
Identifying Rational Candidates for Immunotherapy Targeting PD-1/PD-L1 in Cervical Cancer. M. KIM, H. KIM, D.H. SUH, K. KIM, H. KIM, Y.B. KIM, J.H. NO (<i>Seongnam; Seoul, Republic of Korea</i>).....	5087

Clinical and Oncological Outcomes of Laparoscopic Lateral Pelvic Lymph Node Dissection in Advanced Lower Rectal Cancer: Single-institution Experience. T. NONAKA, A. FUKUDA, K. MAEKAWA, S. NAGAYOSHI, T. TOKUNAGA, M. TAKATSUKI, T. KITAJIMA, K. TANIGUCHI, H. FUJIOKA (<i>Nagasaki, Japan</i>).....	5095
Inconsistent Reporting Between Meta-analysis Protocol and Publication – A Cross-Sectional Study. ALBERTO F. DELGADO, ANNA F. DELGADO (<i>Uppsala; Stockholm, Sweden</i>).....	5101
Metastatic Microcystic Adnexal Carcinoma with DNA Sequencing Results and Response to Systemic Antineoplastic Chemotherapy. M.-B. CHEN, D.A. LABER (<i>Kunshan, PR China; Tampa, FL, USA</i>).....	5109
Long-term Survival After Stereotactic Radiosurgery of Brain Metastases: A Case Series with 10-year Follow-up. F. AMPIL, S. ELLIKA, A. NANDA, M. VORA (<i>Shreveport, LA, USA</i>).....	5113
Prospective Evaluation of Neuromediator Dynamics in Castration-Resistant Prostate Cancer Patients During Docetaxel. J. VON HARDENBERG, M. SCHWARTZ, T. WERNER, S. FUXIUS, M. MÜLLER, T. FRANGENHEIM, C. BOLENZ, C. WEISS, E. HEINRICH (<i>Mannheim; Herzberg am Harz; Heidelberg; Ludwigshafen; Bruchsal; Goettingen, Germany</i>).....	5117
Predictive Role of CYFRA21-1 and CEA for Subsequent Docetaxel in Non-small Cell Lung Cancer Patients. K. SONE, T. OGURI, K. ITO, Y. KITAMURA, Y. INOUE, A. TAKEUCHI, S. FUKUDA, O. TAKAKUWA, K. MAENO, T. ASANO, Y. KANEMITSU, H. OHKUBO, M. TAKEMURA, Y. ITO, A. NIIMI (<i>Nagoya, Japan</i>).....	5125
Flattening Filter Free vs. Flattened Beams for Lung Stereotactic Body Radiation Therapy. P. ANNEDE, J. DARREON, A. BENKEMOUCHE, S. VALDENNAIRE, M. TYRAN, B. KAEPPELIN, A. MACAGNO, J. BARROU, L.V. CAGETTI, V. FAVREL, L. MOUREAU-ZABOTTO, L. GONZAGUE, P. FAU, C. CHARGARI, A. TALLET, N. SALEM (<i>Marseille; Villejuif; Bretigny-sur-Orge, France</i>).....	5133
Effects of an Alkaline Diet on EGFR-TKI Therapy in EGFR Mutation-positive NSCLC. R. HAMAGUCHI, T. OKAMOTO, M. SATO, M. HASEGAWA, H. WADA (<i>Kyoto, Japan; Cleveland, OH, USA</i>).....	5141
Evaluation of Factors Affecting Metastasis for Renal Cell Carcinoma Based on Current Guidelines in Japan. Y. KADONO, S. KAWAGUCHI, T. NOHARA, K. SHIGEHARA, K. NARIMOTO, K. IZUMI, H. IKEDA, H. YAEHASHI, T. MIYAGI, T. NAKASHIMA, C. SETO, A. MIZOKAMI (<i>Kanazawa; Toyama, Japan</i>).....	5147
Neoadjuvant Imatinib Therapy Followed by Intersphincteric Resection for Low Rectal Gastrointestinal Stromal Tumors. M. KANEKO, H. NOZAWA, S. EMOTO, K. MURONO, K. SASAKI, K. OTANI, T. NISHIKAWA, T. TANAKA, T. KIYOMATSU, K. HATA, K. KAWAI, T. WATANABE (<i>Tokyo, Japan</i>).....	5155
Prognostic Significance of Serum CEA for Non-small Cell Lung Cancer Patients Receiving Stereotactic Body Radiotherapy. T. SHINTANI, Y. MATSUO, Y. IIZUKA, T. MITSUYOSHI, T. MIZOWAKI, M. HIRAOKA (<i>Kyoto, Japan</i>).....	5161
A Scoring System to Predict the Development of Bone Metastasis After Radical Resection of Colorectal Cancer. A. LI, L. KÄSMANN, D. RADES, C. FU (<i>Shanghai, PR China; Lübeck, Germany</i>).....	5169
Comparison of Postoperative Outcomes Between Laparoscopic and Open Surgery for Colorectal Cancer. K. NEKI, K. ETO, M. KOSUGE, M. OHKUMA, R. NOAKI, R. HASHIZUME, S. SASAKI, Y. SHIRAI, K. YANAGA (<i>Tokyo, Japan</i>).....	5173
Metallothionein Isoform Expression in Benign and Malignant Thyroid Lesions. B. WOJTCZAK, B. PULA, A. GOMULKIEWICZ, M. OLBROMSKI, M. PODHORSKA-OKOLOW, P. DOMOSLAWSKI, M. BOLANOWSKI, J. DAROSZEWSKI, P. DZIEGIEL (<i>Wroclaw, Poland</i>).....	5179

Role of Densitometric Criteria in Evaluation of Effectiveness of Antiangiogenic Therapies in Metastatic Colorectal Cancer: An Italian Clinical Experience. G. CICERO, G. LO RE, R. DE LUCA, F. VERNUCCIO, D. PICONE, M. MIDIRI, R. LAGALLA (<i>Palermo, Italy</i>)	5187
First-line Treatment of Advanced Biliary Ducts Carcinoma: A Randomized Phase II Study Evaluating 5-FU/LV Plus Oxaliplatin (Folfox 4) Versus 5-FU/LV (de Gramont Regimen). G. SCHINZARI, E. ROSSI, G. MAMBELLA, A. STRIPPOLI, R. CANGIANO, M. MUTIGNANI, M. BASSO, A. CASSANO, C. BARONE (<i>Rome; Potenza; Caserta; Milan, Italy</i>)	5193
Correlation of Radiation Pneumonitis History Before Nivolumab with Onset of Interstitial Lung Disease and Progression-free Survival of Patients with Pre-treated Advanced Non-small Cell Lung Cancer. A. TAMIYA, M. TAMIYA, K. NAKAHAMA, Y. TANIGUCHI, T. SHIROYAMA, S.-I. ISA, T. INOUE, K. OKISHIO, K. NISHINO, T. KUMAGAI, H. SUZUKI, T. HIRASHIMA, F. IMAMURA, S. ATAGI (<i>Osaka, Japan</i>).....	5199
Targeted Delivery of Cordycepin to Liver Cancer Cells Using Transferrin-conjugated Liposomes. Y. BI, Y. ZHOU, M. WANG, L. LI, R.J. LEE, J. XIE, L. TENG (<i>Changchun; Zhuhai, PR China; Columbus, OH, USA</i>).....	5207
Comparing the Efficacy of DeVIC Therapy and High-dose Methotrexate Monotherapy with Whole-brain Radiation Therapy for Newly-diagnosed Primary Central Nervous System Lymphoma: A Single Institution Study. L. CHALISE, K. MOTOMURA, F. OHKA, M. HIRANO, M. HARA, Y. NISHIMURA, A. NATSUME, T. WAKABAYASHI (<i>Nagoya, Japan</i>)	5215
Anti-proliferative, Cytotoxic and NF-κB Inhibitory Properties of Spiro(Lactone-Cyclohexanone) Compounds in Human Leukemia. M.M. BOUHENNA, B. ORLIKOVA, O. TALHI, B. SCHRAM, D.C.G.A. PINTO, N. TAIBI, K. BACHARI, M. DIEDERICH, A.M.S. SILVA, N. MAMERI (<i>Alger; Tipaza, Algeria; Seoul, Republic of Korea; Luxembourg City, Luxembourg; Aveiro, Portugal</i>)	5225
Differences in Urinary Renal Failure Biomarkers in Cancer Patients Initially Treated with Cisplatin. A. MAEDA, H. ANDO, T. URA, K. MURO, M. AOKI, K. SAITO, E. KONDO, S. TAKAHASHI, Y. ITO, Y. MIZUNO, A. FUJIMURA (<i>Nagoya; Tochigi; Niigata, Japan</i>)	5235
Risk-reducing Salpingo-Oophorectomy in Women at Higher Risk of Ovarian and Breast Cancer: A Single Institution Prospective Series. E. RICCIARDI, F. TOMAO, G. ALETTI, L. BAZZURINI, L. BOCCIOLONE, S. BOVERI, F. LANDONI, M.T. LAPRESA, M. MARUCCIO, G. PARMA, F. PECCATORI, M.C. PETRELLA, V. ZANAGNOLO, N. COLOMBO, A. MAGGIONI (<i>Milan, Italy</i>)	5241
The Local Recurrence of Breast Cancer with Squamous Metaplasia and Obvious Histological Heterogeneity. N. YAMASHITA, E. TOKUNAGA, H. YAMAMOTO, C. SHIMIZU, K. TAKETANI, Y. INOUE, H. SAEKI, E. OKI, Y. MAEHARA (<i>Fukuoka; Tokyo, Japan</i>)	5249
Value of Additional Digital Breast Tomosynthesis for Preoperative Staging of Breast Cancer in Dense Breasts. J. KRAMMER, K. STEPNIOWSKI, C.G. KAISER, J. BRADE, P. RIFFEL, S.O. SCHOENBERG, K. WASSER (<i>Mannheim, Germany</i>)	5255
Are Multiple Tumors of the Parotid Gland Uncommon or Underestimated? A.M. FRANZEN, A. COORDES, C.K. FRANZEN, T. GUENZEL (<i>Neuruppin; Berlin; Leer, Germany</i>).....	5263
Incidence and Oncological Implications of Previously Undetected Tumor Multicentricity Following Pancreaticoduodenectomy for Pancreatic Adenocarcinoma in Patients Undergoing Salvage Pancreatectomy. A. ANDREOU, F. KLEIN, R.B. SCHMUCK, D. LEE, M. SINN, T. DENECKE, J. PRATSCHE, M. BAHRA (<i>Berlin, Germany</i>)	5269
Surgical Strategy for T1 Duodenal or Ampullary Carcinoma According to the Depth of Tumor Invasion. A. KOHGA, Y. YAMAMOTO, S. SANO, T. SUGIURA, Y. OKAMURA, T. ITO, R. ASHIDA, H. ISHIWATARI, H. MATSUBAYASHI, K. SASAKI, K. UESAKA (<i>Shizuoka, Japan</i>)	5277

Robot-assisted Extracranial Stereotactic Radiotherapy of Adrenal Metastases in Oligometastatic Non-small Cell Lung Cancer. R. CELIK, R. SEMRAU, C. BAUES, M. TROMMER-NESTLER, W. BAUS, S. MARNITZ (<i>Cologne, Germany</i>)	5285
Safety for Repeat Lumpectomy Without Radiotherapy for Ipsilateral Breast Tumor Recurrence. M. ISHITOBI, R. FUKUI, Y. HASHIMOTO, N. KITAKA, T. NAKAYAMA, Y. TAMAKI (<i>Osaka, Japan</i>)	5293
Efficacy of Additional Surgical Resection After Endoscopic Submucosal Dissection for Superficial Esophageal Cancer. M. KUDOU, A. SHIOZAKI, H. FUJIWARA, H. KONISHI, K. SHODA, T. ARITA, T. KOSUGA, R. MORIMURA, Y. MURAYAMA, Y. KURIU, H. IKOMA, T. KUBOTA, M. NAKANISHI, K. OKAMOTO, O. DOHI, H. KONISHI, Y. NAITO, E. OTSUJI (<i>Kyoto, Japan</i>).....	5301
Study on the Validity of Pancreaticoduodenectomy in the Elderly. Y. FUTAGAWA, M. KANEHIRA, K. FURUKAWA, H. KITAMURA, S. YOSHIDA, T. USUBA, T. MISAWA, Y. ISHIDA, T. OKAMOTO, K. YANAGA (<i>Tokyo, Japan</i>)	5309
Errata.....	5317