

ANTICANCER RESEARCH

International Journal of Cancer Research and Treatment

ISSN: 0250-7005

Volume 35, Number 10, October 2015

Contents

Reviews

- Chronic Lymphocytic Leukemia: Current Concepts. E.-M. YU, A. KITTAI, I.A. TABBARA (*Washington, DC, USA*)..... 5149
- Hypofractionated Radiotherapy for Localized Prostate Cancer: A Challenging Accelerated Hypofractionated Radiotherapy. H. YAMAZAKI, S. NAKAMURA, G. SUZUKI, K. YOSHIDA, Y. YOSHIOKA, M. KOIZUMI, K. OGAWA (*Kyoto; Takatsuki City; Suita, Japan*)..... 5167
- Predictive and Prognostic Value of the Tau Protein in Breast Cancer. C. BONNEAU, Z.A. GURARD-LEVIN, F. ANDRE, L. PUSZTAI, R. ROUZIER (*Versailles; Paris, France; New Haven, CT, USA*)..... 5179
- Primary Thyroid Sarcoma: A Systematic Review. A. SUROV, S. GOTTSCHLING, A. WIENKE, H. JONAS MEYER, R.P. SPIELMANN, H. DRALLE (*Halle-Wittenberg; Leipzig, Germany*) 5185

Experimental Studies

- Effects of Single and Fractionated Irradiation on Natural Killer Cell Populations: Radiobiological Characteristics of Viability and Cytotoxicity *In Vitro*. T. HIETANEN, M. PITKÄNEN, M. KAPANEN, P.-L. KELLOKUMPU-LEHTINEN (*Tampere, Finland*) 5193
- Imaging and Antitumoral Effect of a Cyclo-oxygenase 2-specific Replicative Adenovirus for Small Metastatic Gastric Cancer Lesions. T. KOSAKA, J. DAVYDOVA, H.A. ONO, H. AKIYAMA, S.-I. HIRAI, S. OHNO, F. TAKESHITA, K. AOKI, T. OCHIYA, M. YAMAMOTO, C. KUNISAKI, I. ENDO (*Yokohama; Tokyo, Japan; Minneapolis, MN, USA*) 5201

Contents continued on the back cover

Targeting Topoisomerase II Activity in NSCLC with 9-Aminoacridine Derivatives. D.M. FERGUSON, B.A. JACOBSON, J. JAY-DIXON, M.R. PATEL, R.A. KRATZKE, A. RAZA (<i>Minneapolis, MN, USA</i>)	5211
Genes Involved in Maintaining the Bone Marrow Stroma Are Dysregulated in Patients with Myelofibrosis: Lenalidomide Treatment Up-regulates <i>SOCS3</i> . A. LIVUN, K.J. NEWBERRY, T. MANSOURI, R. KUSEC, S. VERSTOVSEK (<i>Zagreb, Croatia; Houston, TX, USA</i>)	5219
Imaging the Different Mechanisms of Prostate Cancer Cell-killing by Tumor-targeting <i>Salmonella typhimurium</i> A1-R. A. UCHUGONOVA, Y. ZHANG, R. SALZ, F. LIU, A. SUETSUGU, L. ZHANG, K. KOENIG, R.M. HOFFMAN, M. ZHAO (<i>San Diego, CA, USA; Saarbruecken, Germany</i>)	5225
Hyaluronic Acid Inhibitor 4-Methylumbelliferone Activates the Intrinsic Apoptosis Pathway in K562 Chronic Myelogenous Leukemia Cells. H. BAN, O. UCHAKINA, R.J. MCKALLIP (<i>Macon, GA, USA</i>)	5231
Reversal of c-MET-mediated Resistance to Cytotoxic Anticancer Drugs by a Novel c-MET Inhibitor TAS-115. E. KUNII, H. OZASA, T. OGURI, K. MAENO, S. FUKUDA, T. UEMURA, O. TAKAKUWA, H. OHKUBO, M. TAKEMURA, A. NIIMI (<i>Nagoya; Kyoto, Japan</i>)	5241
The <i>In Vitro</i> and <i>In Vivo</i> Activity of the Microtubule Disruptor STX140 Is Mediated by Hif-1 Alpha and CAIX Expression. C. STENGEL, S.P. NEWMAN, M.P. LEESE, M.P. THOMAS, B.V.L. POTTER, M.J. REED, A. PUROHIT, P.A. FOSTER (<i>London; Oxford; Bath; Birmingham, UK</i>)	5249
Lysophosphatidic Acid Stimulates Urokinase Receptor (uPAR/CD87) in Ovarian Epithelial Cancer Cells. J. LIZALEK, T. MCKENNA, K. HUEGEL, S. MARSH, A. CAROLAN, A. KOBLISKA, E. HEYING, N. GARDNER, G. MILLER, A. KOTECKI, M. HENNINGSEN, A. LUNDT, J. FARLEY, S.M. ELLERBROEK (<i>Waverly, IA, USA</i>)	5263
The New Semisynthetic Cardenolide Analog 3 β -[2-(1-Amantadine)-1-on-ethylamine]-digitoxigenin (AMANTADIG) Efficiently Suppresses Cell Growth in Human Leukemia and Urological Tumor Cell Lines. E. NOLTE, A. SOBEL, S. WACH, H. HERTLEIN, N. EBERT, F. MÜLLER-URI, R. SLANY, H. TAUBERT, B. WULLICH, W. KREIS (<i>Erlangen, Germany</i>)	5271
Gelsolin Is Associated with Longer Metastasis-free Survival and Reduced Cell Migration in Estrogen Receptor-positive Breast Cancer. A.-M. STOCK, F. KLEE, K. EDLUND, M. GRINBERG, S. HAMMAD, R. MARCHAN, C. CADENAS, B. NIGGEMANN, K.S. ZÄNKER, J. RAHNENFÜHRER, M. SCHMIDT, J. G. HENGSTLER, F. ENTSCHLADEN (<i>Witten; Dortmund; Mainz, Germany; Qena, Egypt</i>)	5277
Glucan Supplementation Has Strong Anti-melanoma Effects: Role of NK Cells. V. VETVICKA, J. VETVICKOVA (<i>Louisville, KY, USA</i>)	5287
The Effects of Curcumin-based Compounds on Proliferation and Cell Death in Cervical Cancer Cells. X. ZHANG, R. WANG, G. CHEN, L. DEJEAN, Q.-H. CHEN (<i>Fresno, CA, USA</i>)	5293
Quantitative Structure–Cytotoxicity Relationship of 3-Styryl-2 <i>H</i> -chromenes. Y. UESAWA, H. SAKAGAMI, M. ISHIHARA, H. KAGAYA, T. KANAMOTO, S. TERAKUBO, H. NAKASHIMA, H. YAHAGI, K. TAKAO, Y. SUGITA (<i>Kiyose; Sakado; Kanagawa, Japan</i>)	5299
Zinc Induces Apoptosis of Human Melanoma Cells, Increasing Reactive Oxygen Species, p53 and FAS Ligand. M. PROVINCIALI, E. PIERPAOLI, B. BARTOZZI, G. BERNARDINI (<i>Ancona, Italy</i>)	5309
GADD34 Facilitates Cell Death Resulting from Proteasome Inhibition. L. LIU, S. ITO, N. NISHIO, Y. SUN, N. CHEN, Y. TANAKA, K.-I. ISOBE (<i>Nagoya, Japan</i>)	5317
Tryptase-positive and CD117 Positive Mast Cells Correlate with Survival in Patients with Liver Metastasis. S.E. GIUȘCĂ, I.D. CĂRUNTU, A.M. CÎMPEAN, R.E. AVADANEI, A.R. BALICA, A.A. JITARIU, M. RAICA (<i>Iași; Timișoara, Romania</i>)	5325

Lectin Histochemistry Shows WGA, PHA-L and HPA Binding Increases During Progression of Human Colorectal Cancer. P. HÄGERBÄUMER, M. VIETH, M. ANDERS, U. SCHUMACHER (<i>Hamburg; Bayreuth, Germany</i>)	5333
Quantitative Structure–Cytotoxicity Relationship of Oleoylamides. H. SAKAGAMI, Y. UESAWA, M. ISHIHARA, H. KAGAYA, T. KANAMOTO, S. TERAKUBO, H. NAKASHIMA, K. TAKAO, Y. SUGITA (<i>Sakado; Kiyose; Kanagawa, Japan</i>)	5341
Survivin Down-regulation by α -Santalol Is Not Mediated Through PI3K–AKT Pathway in Human Breast Cancer Cells. A. BOMMAREDDY, K. CRISAMORE, S. FILLMAN, S. BROZENA, J. STEIGERWALT, T. LANDIS, A.L. VANWERT, C. DWIVEDI (<i>Wilkes-Barre, PA; Brookings, SD, USA</i>)	5353
CHM-1 Suppresses Formation of Cell Surface-associated GRP78–p85 α Complexes, Inhibiting PI3K–AKT Signaling and Inducing Apoptosis of Human Nasopharyngeal Carcinoma Cells. M.-L. LIN, S.-S. CHEN, S.-H. NG (<i>Taichung, Taiwan, ROC</i>)	5359
Programmed Death-1 Ligand-1 (PDL1) Expression Is Associated with the Prognosis of Patients with Stage II/III Gastric Cancer. T. TAMURA, M. OHIRA, H. TANAKA, K. MUGURUMA, T. TOYOKAWA, N. KUBO, K. SAKURAI, R. AMANO, K. KIMURA, M. SHIBUTANI, K. MAEDA, K. HIRAKAWA (<i>Osaka, Japan</i>)	5369
Long Noncoding RNA <i>ANRIL</i> Regulates Proliferation of Non-Small Cell Lung Cancer and Cervical Cancer Cells. M. NAEMURA, C. MURASAKI, Y. INOUE, H. OKAMOTO, Y. KOTAKE (<i>Fukuoka, Japan</i>)	5377
Human Mesenchymal Stem Cells Protect Dorsal Root Ganglia from the Neurotoxic Effect of Cisplatin. A. SCUTERI, M. RAVASI, M. MONFRINI, A. MILANO, G. D’AMICO, M. MILOSO, G. TREDICI (<i>Monza; Milan, Italy</i>)	5383
Individual and Combined Effects of CTLA4-CD28 Variants and Oxidant-Antioxidant Status on the Development of Colorectal Cancer. O. KUCUKHUSEYIN, S. TURAN, K. YANAR, S. ARIKAN, Y. DUZKOYLU, S. AYDIN, U. CAKATAY, B. MEZANI, A.A. FAROOQI, G.A. ISITMANGIL, B. KIRAN, C. CACINA, E.N. YENILMEZ, A. ERGEN, U. ZEYBEK, I. YAYLIM (<i>Istanbul; Kastamonu, Turkey; Lahore, Pakistan</i>)	5391
Sensitivity of Human Malignant Melanoma Cell Lines to Newcastle Disease Virus. M. PAP, J. BÁTOR, J. SZEBERÉNYI (<i>Pécs, Hungary</i>)	5401
Synthetic Bichalcone TSWU-BR23 Induces Apoptosis of Human Colon Cancer HT-29 Cells by p53-Mediated Mitochondrial Oligomerization of BAX/BAK and Lipid Raft Localization of CD95/FADD. M.-L. LIN, S.-S. CHEN, T.-S. WU (<i>Taichung; Tainan, Taiwan, ROC</i>)	5407
Tumor Necrosis Factor- α Genotypes Are Associated with Hepatocellular Carcinoma Risk in Taiwanese Males, Smokers and Alcohol Drinkers. M.-D. YANG, C.-M. HSU, W.-S. CHANG, T.-C. YUEH, Y.-L. LAI, C.-L. CHUANG, S.-C. WANG, L.-B. JENG, H.-X. JI, C.-L. HSIAO, C.-N. WU, C.-W. TSAI, J.-G. CHUNG, D.-T. BAU (<i>Taichung, Taiwan, ROC</i>)	5417
Preliminary Study: Prominent miRNAs of Breast Malignant Tissues Compared to Normal Tissues in Turkish Patients with Breast Cancer. T. OZTURK, O. KUCUKHUSEYIN, A.P. ERONAT, M.B. TUZUNER, A. DAGLAR-ADAY, N. SAYGILI, H.I. KISAKESEN, F. SEYHAN, M. VELIDEDEOĞLU, Z. CALAY, Ş. İLVAN, H. YILMAZ-AYDOĞAN, O. OZTURK, T. İSBİR (<i>Istanbul, Turkey</i>)	5425
Non-covalent Nanocomplexes of Folic Acid and Reducible Polyethylenimine for Survivin siRNA Delivery. B. ZHENG, S. YANG, M. WANG, X. YANG, L. TENG, J. XIE, L. TENG, R.J. LEE (<i>Changchun, PR China; Columbus, OH, USA</i>)	5433

Signatures of Adverse Pathological Features, Androgen Insensitivity and Metastatic Potential in Prostate Cancer. Y. TOLKACH, A. MERSEBURGER, T. HERRMANN, M. KUCZYK, J. SERTH, F. IMKAMP (Hannover, Germany)	5443
17-Allylamino-17-demethoxygeldanamycin and Herbimycin A Induce Cell Death by Modulating β -Catenin and PI3K/AKT Signaling in FRO Anaplastic Thyroid Carcinoma Cells. S.H. KIM, J.G. KANG, C.S. KIM, S.-H. IHM, M.G. CHOI, H.J. YOO, S.J. LEE (Chuncheon, Republic of Korea)	5453
<i>Clinical Studies</i>	
Impaired Immune Function in Patients Undergoing Surgery for Bone Cancer. J.F. VELÁSQUEZ, M.F. RAMÍREZ, D. AI, V. LEWIS, J.P. CATA (Houston; Temple, TX; Boston, MA, USA)	5461
PC or PCV, That Is the Question: Primary Anaplastic Oligodendroglial Tumors Treated with Procarbazine and CCNU With and Without Vincristine. C. WEBRE, N. SHONKA, L. SMITH, D. LIU, J. DE GROOT (Bryan; Houston, TX; Omaha, NE, USA)	5467
Higher Red Blood Cell Distribution Width Is an Adverse Prognostic Factor in Chronic-phase Chronic Myeloid Leukemia Patients Treated with Tyrosine Kinase Inhibitors. N. IRIYAMA, Y. HATTA, S. KOBAYASHI, Y. UCHINO, K. MIURA, D. KURITA, H. KODAIRA, H. TAKAHASHI, Y. IIZUKA, M. INOUE, M. TAKEI (Tokyo, Japan)	5473
Prognostic Impact of Residual Disease After Neoadjuvant Chemotherapy in 648 Patients with Triple-negative Breast Cancer. P. KERN, G. VON MINCKWITZ, C. PUETTER, S. PAVLIDOU, A. FLACH, R. KIMMIG, M. REZAI (Essen; Neu-Isenburg; Düsseldorf, Germany)	5479
Preoperative Chemotherapy Can Change the Surgical Procedure for Hepatectomy in Patients with Liver Metastasis of Colorectal Cancer. Y. SASAKI, S. OSADA, S. MATSUI, H. IMAI, T. TANAHASHI, Y. TANAKA, N. MATSUHASHI, N. OKUMURA, K. YAMAGUCHI, K. YOSHIDA (Gifu, Japan)	5485
Effect of Increased Radiotoxicity on Survival of Patients with Non-Small Cell Lung Cancer Treated with Curatively Intended Radiotherapy. G. HOLGERSSON, S. BERGSTRÖM, P. LIV, J. NILSSON, P. EDLUND, C. BLOMBERG, J. NYMAN, S. FRIESLAND, S. EKMAN, T. ASKLUND, R. HENRIKSSON, M. BERGQVIST (Gävle; Gothenburg; Stockholm; Uppsala; Umeå, Sweden)	5491
Survival After Distant Metastasis in Head and Neck Cancer. S. WIEGAND, A. ZIMMERMANN, T. WILHELM, J.A. WERNER (Marburg, Germany)	5499
Impact of Pelvic and Para-aortic Lymphadenectomy in Advanced Ovarian Cancer After Neoadjuvant Chemotherapy. L. SCHWARTZ, S. SCHROT-SANYAN, C. BRIGAND, J.-J. BALDAUF, A. WATTIEZ, C. AKLADIOS (Strasbourg, France)	5503
Early and Severe Radiation Toxicity Associated with Concurrent Sunitinib in an Organ Transplant Recipient with Head and Neck Cutaneous Squamous Cell Carcinoma: A Case Report. B.V. MANYAM, T.I. NWIZU, M.L. RAHE, B.A. HARR, S.A. KOYFMAN (Cleveland, OH, USA)	5511
A New Predictive Tool for Optimization of the Treatment of Brain Metastases from Colorectal Cancer After Stereotactic Radiosurgery. D. RADES, M. DAHLKE, N. GEBAUER, T. BARTSCHT, D. HORNUNG, N.T. TRANG, P.C. PHUONG, M.T. KHOA, J. GLIEMROTH (Lübeck; Hamburg, Germany; Hanoi, Vietnam)	5515
The Diagnostic and Prognostic Value of Tumor Markers (CEA, SCC, CYFRA 21-1, TPS) in Head and Neck Cancer Patients. V. BARAK, A. MEIROVITZ, V. LEIBOVICI, J. RACHMUT, T. PERETZ, R. ELIASHAR, M. GROSS (Jerusalem, Israel)	5519
Effects of Pre-surgical Vitamin D Supplementation and Ketogenic Diet in a Patient with Recurrent Breast Cancer. J.J.V. BRANCA, S. PACINI, M. RUGGIERO (Florence, Italy)	5525

Decreased Expression of PDHE1 α Predicts Worse Clinical Outcome in Esophageal Squamous Cell Carcinoma. Y. ZHONG, R. HUANG, X. LI, R. XU, F. ZHOU, J. WANG, H. FAN, M. GOSCINSKI, M. ZHANG, J.-G. WEN, J. M. NESLAND, Z. SUO (<i>Zhengzhou; Anyang, PR China; Oslo, Norway</i>)	5533
Partial Cystectomy with Distal Ureteral Resection and Re-implantation for Locally Invasive Cervical Cancer. N. BACALBASA, I. BALESCU, D. TOMESCU (<i>Bucharest, Romania</i>)	5539
Use of Inflated Foley Catheters to Prevent Early Empty Pelvis Complications Following Pelvic Exenteration. N. BACALBASA, D. TOMESCU, I. BALESCU (<i>Bucharest, Romania</i>)	5543
Endometrial Carcinoma Associated with Ovarian Granulosa Cell Tumors – A Case Report. N. BACALBASA, C. STOICA, I. POPA, G. MIREA, I. BALESCU (<i>Bucharest, Romania</i>)	5547
Sunitinib Malate plus Lomustine for Patients with Temozolomide refractory Recurrent Anaplastic or Low-grade Glioma. J. DUERINCK, S. DU FOUR, W. SANDER, A.-M. VAN BINST, H. EVERAERT, A. MICHOTTE, P. HAU, B. NEYNS (<i>Brussels, Belgium; Regensburg, Germany</i>)	5551
Carbon-ion Radiotherapy for Prostate Cancer: Analysis of Morbidities and Change in Health-related Quality of Life. H. ISHIKAWA, H. KATOH, T. KAMINUMA, H. KAWAMURA, K. ITO, H. MATSUI, J. HIRATO, N. SHIMIZU, Y. TAKEZAWA, H. TSUJI, K. SUZUKI, T. OHNO, T. NAKANO (<i>Ibaraki; Gunma; Chiba, Japan</i>)	5559
Survival and Toxicity Following Chemoradiation for Carcinoma of the Cervix – Impact of Multiple-phase Treatment and Shielding. S. YAHYA, L. BHATT, M. KING, S. PIRRIE, R. WYATT, M.S. ANWAR, A. EL-MODIR, I. FERNANDO (<i>Birmingham; Manchester; Wolverhampton, UK</i>)	5567
Prevalence and Prognostic Value of Lymph Node Dissection in Treating Adrenocortical Carcinoma: A National Experience. S. ALANEE, D. DYNDA, B. HOLLAND (<i>Springfield, IL, USA</i>)	5575
Stereotactic Radiotherapy in the Treatment of Lung Metastases from Bone and Soft-tissue Sarcomas. R. FRAKULLI, F. SALVI, D. BALESTRINI, A. PARISI, M. PALOMBARINI, S. CAMMELLI, M. ROCCA, M. SALONE, A. LONGHI, S. FERRARI, A.G. MORGANTI, G. FREZZA (<i>Bologna, Italy</i>)	5581
Stratified Survival Analysis After Adjuvant Chemotherapy of Colon Cancer Reveals a Benefit for Older Patients. B. MAYER, S. SANDER, S. PASCHKE, D. HENNE-BRUNS, K.-H. LINK, M. KORMANN (<i>Ulm; Wiesbaden, Germany</i>)	5587
Lymphatic Vascularization in Prostate Adenocarcinoma: Correlation with Tumor Grade, Androgen Withdrawal and Prognosis. M.R. AMBROSIO, B.J. ROCCA, A. BARONE, A. GINORI, F. CRIVELLI, L. PIRTOLI, M.T. DEL VECCHIO (<i>Siena; Saronno, Italy</i>)	5595
Biological Effects After Discontinuation of VEGFR Inhibitors in Metastatic Renal Cell Cancer. M.J. BOERS-SONDEREN, I.M.E. DESAR, J.J. FÜTTERER, S.F. MULDER, L.-F. DE GEUS-OEI, P.F. MULDER, W.T.A. VAN DER GRAAF, W.J.G. OYEN, C.M.L. VAN HERPEN (<i>Nijmegen, the Netherlands</i>)	5601
Clinical Outcomes in Early-stage NSCLC Treated with Stereotactic Body Radiotherapy Versus Surgical Resection. E.A. KASTELIJN, S.Y. EL SHAROUNI, F.N. HOFMAN, B.P. VAN PUTTE, E.M. MONNINKHOF, M. VAN VULPEN, F.M.N.H. SCHRAMEL (<i>Nieuwegein; Utrecht, the Netherlands</i>)	5607
What Predicts Minimal Response to Abiraterone in Metastatic Castrate-resistant Prostate Cancer? R. S. DAVIES, C. SMITH, M.R. BUTTON, J. TANGUAY, J. BARBER, N. PALANIAPPAN, J. STAFFURTH, J.F. LESTER (<i>Cardiff, Wales, UK</i>)	5615
Comparing Endurance and Resistance Training with Standard Care during Chemotherapy for Patients with Primary Breast Cancer. T. SCHMIDT, B. WEISSER, J. DÜRKOP, W. JONAT, M. VAN MACKELENBERGH, C. RÖCKEN, C. MUNDHENKE (<i>Kiel, Germany</i>)	5623

Salvage Treatment with Intracerebrospinal Fluid Thiotepa in Patients with Leptomeningeal Metastasis After Failure of Methotrexate-based Treatment. K.-M. CHO, Y.J. KIM, S.H. KIM, J.W. KIM, J.-O. LEE, J.H. HAN, K.-W. LEE, J.H. KIM, C.-Y. KIM, S.-M. BANG, I.-A. KIM, J.S. KIM, J.-S. LEE (<i>Seongnam; Seoul, Republic of Korea</i>)	5631
Preoperative Lower Body Mass Index Correlates with Poorer Prognosis in Patients Undergoing Curative Laparoscopic Surgery for Colorectal Cancer. R. URATANI, Y. TOIYAMA, T. SHIMURA, K. MORI, H. FUJIKAWA, J. HIRO, M. OHI, Y. INOUE, K. TANAKA, T. ARAKI, Y. MOHRI, M. KUSUNOKI (<i>Mie, Japan</i>)	5639
Hematogenous Splenic Metastases as an Independent Negative Prognosis Factor at the Moment of Primary Cytoreduction in Advanced Stage Epithelial Ovarian Cancer – A Single Center Experience. N. BACALBASA, I. BALESU, S. DIMA, V. BRASOVEANU, I. POPESCU (<i>Bucharest, Romania</i>)	5649
Diagnostic Accuracy of Tumor Markers CYFRA21-1 and CA125 in the Differential Diagnosis of Ascites. J. TRAPÉ, G. GURT, J. FRANQUESA, J. MONTESINOS, A. ARNAU, M. SALA, F. SANT, E. CASADO, J.M. ORDEIG, C. BERGOS, F. VIDA, P. SORT, Á. ISAVA, M. GONZÁLEZ, R. MOLINA (<i>Manresa; Vic; Barcelona, Spain</i>)	5655
Tissue Biomarkers in Predicting Response to Sunitinib Treatment of Metastatic Renal Cell Carcinoma. I. TRÁVNÍČEK, J. BRANŽOVSKÝ, K. KALUSOVÁ, O. HES, L. HOLUBEC, K.B. PELE, T. ÜRGE, M. HORA (<i>Pilsen, Czech Republic</i>)	5661
Drug-resistance Profile in Multiple-relapsed Childhood Acute Lymphoblastic Leukemia. M. POGORZALA, M. KUBICKA, B. RAFINSK, M. WYSOCKI, J. STYCZYNSKI (<i>Bydgoszcz, Poland</i>)	5667
Relative Uptake Factor of Invasive Ductal Breast Cancer in Breast-specific Gamma Imaging as a Surrogate Parameter for Sub-typing. T. MEISSNITZER, M.W. MEISSNITZER, A. SEYMER, K. HERGAN, D. NEUREITER (<i>Salzburg, Austria</i>)	5671
Detection of Circulating Tumor Cells in Locally Advanced High-risk Prostate Cancer During Neoadjuvant Chemotherapy and Radical Prostatectomy. M. THALGOTT, B. RACK, T. HORN, M.M. HECK, M. EIBER, H. KÜBLER, M. RETZ, J.E. GSCHWEND, U. ANDERGASSEN, R. NAWROTH (<i>Munich, Germany</i>)	5679
Nutritional Supplement Based on Zinc, Prebiotics, Probiotics and Vitamins to Prevent Radiation-related Gastrointestinal Disorders. D. SCARTONI, I. DESIDERI, I. GIACOMELLI, V. DI CATALDO, L. DI BRINA, A. MANCUSO, I. FURFARO, P. BONOMO, G. SIMONTACCHI, L. LIVI (<i>Florence, Italy</i>)	5687
Hypofractionated Image-guided Radiation Therapy (3Gy/fraction) in Patients Affected by Inoperable Advanced-stage Non-small Cell Lung Cancer After Long-term Follow-up. L. AGOLLI, M. VALERIANI, S. BRACCI, L. NICOSIA, V. DE SANCTIS, R.M. ENRICI, M.F. OSTI (<i>Rome, Italy</i>)	5693
Defining the Optimal Dose of Stereotactic Radiosurgery for Treating Cerebral Metastases in Elderly Patients. D. RADES, M. DAHLKE, L. DZIGGEL, S. JANSSEN, A. BAJROVIC, N.T. TRANG, M.T. KHOA, S.E. SCHILD (<i>Lübeck; Hannover; Hamburg, Germany; Hanoi, Vietnam; Scottsdale, AZ, USA</i>)	5701
Errata	5705
Book Reviews	5707