

Vitamin D in Preclinical Models of Fatty Liver Disease. E. KARATAYLI, C.S. STOKES, F. LAMMERT (Homburg, Germany)	527
Variable Genomic and Metabolomic Responses to Varying Doses of Vitamin D Supplementation. A. SHIRVANI, T.A. KALAJIAN, A. SONG, R. ALLEN, N. CHAROENNGAM, R. LEWANCZUK, M.F. HOLICK (Boston, MA, USA; Edmonton, AB, Canada)	535
Comparison of Serum 25-Hydroxyvitamin D Levels in Patients With Malignant and Benign Gynaecological Disease. L. KOLNSBERG, M. RIFFELMANN, M. FRIEDRICH (Krefeld, Germany).....	545
The Effect of Various Doses of Oral Vitamin D3 Supplementation on Gut Microbiota in Healthy Adults: A Randomized, Double-blinded, Dose-response Study. N. CHAROENNGAM, A. SHIRVANI, T.A. KALAJIAN, A. SONG, M.F. HOLICK (Boston, MA, USA)	551
Lifetime UVR Dose and Skin Cancer Risk, Determined by Their Common Relation to Solar Lentigines. A.-S.S. HOLM-SCHOU, P.A. PHILIPSEN, L.W. IDORN, E. THIEDEN, H.C. WULF (Copenhagen, Denmark).....	557
Evaluation of Effectiveness of Ultraviolet Emitting Lamps on the Cutaneous Production of Vitamin D3: Relationship of the Lamps Vitamin D3 Producing Potential to the Production of 8-Hydroxy-2'-Deoxyguanosine and Nitric Oxide. A. SHIRVANI, K.S. PERSONS, M.F. HOLICK (Boston, MA, USA)	565
Errata	573

The Prognosis of Lung Cancer With Different Metastatic Patterns. S. OKAUCHI, H. WATANABE, H. YAMADA, S. SATO, K. MIYAZAKI, T. KODAMA, H. SATOH, N. HIZAWA (<i>Mito; Tsukuba; Hitachinaka; Ryugasaki, Japan</i>)	421
Efficacy of Anti-PD1/PD-L1 Therapy (IO) in KRAS Mutant Non-small Cell Lung Cancer Patients: A Retrospective Analysis. L. GIANONCELLI, G. SPITALERI, A. PASSARO, D. RADICE, C. FUMAGALLI, E. DEL SIGNORE, V. STATI, C.M. CATANIA, E. GUERINI-ROCCO, M. BARBERIS, F. DE MARINIS (<i>Milan, Italy</i>)	427
Recurrence-free Survival and Safety of Imatinib in Patients With Gastrointestinal Stromal Tumour (GIST) in Greece. I. BOUKOVINAS, A. KOTSAKIS, N. ANDROULAKIS, G. ARAVANTINOS, V. MICHALAKI, C. CHRISTODOULOU, A. AVGERINOS, C. PAPANDEOU, V. SIDIROPOULOU, O. KOUSIDOU, P. KOSMIDIS (<i>Thessaloniki; Heraklion; Athens; Piraeus; Larissa, Greece</i>)	435
Clinical Influence of Anastomotic Leakage on Esophageal Cancer Survival and Recurrence. T. AOYAMA, K. KAZAMA, Y. ATSUMI, H. TAMAGAWA, A. TAMAGAWA, K. KOMORI, D. MACHIDA, Y. MAEZAWA, K. KANO, K. HARA, M. MURAKAWA, M. NUMATA, T. OSHIMA, N. YUKAWA, M. MASUDA, Y. RINO (<i>Yokohama, Japan</i>)	443
Prognostic Value of Hematological Parameters in Locally Advanced Cervical Cancer Patients Treated With Concurrent Chemoradiotherapy. H.J. LEE, J.M. KIM, Y.J. CHIN, G.O. CHONG, S.-H. PARK, Y.H. LEE, D.G. HONG, Y.S. LEE (<i>Daegu, Republic of Korea</i>)	451
Comparison of Dose Distributions When Using Carbon Ion Radiotherapy Versus Intensity-modulated Radiotherapy for Hepatocellular Carcinoma With Macroscopic Vascular Invasion: A Retrospective Analysis. S. SHIBA, K. SHIBUYA, M. KAWASHIMA, N. OKANO, T. KAMINUMA, M. OKAMOTO, Y. KUBOTA, T. NAKANO, T. OHNO (<i>Maebashi, Japan</i>)	459
Higher Biologically Effective Dose Predicts Survival in SBRT of Pancreatic Cancer: A Multicentric Analysis (PAULA-1). A. ARCELLI, A. GUIDO, M. BUWENGE, N. SIMONI, R. MAZZAROTTO, G. MACCHIA, F. DEODATO, S. CILLA, P. BONOMO, V. SCOTTI, L. BELGIOIA, G. TOLENTO, F. CELLINI, E. GRASSI, M. DI MARCO, R. CASADEI, A.G. MORGANTI, S. CAMMELLI (<i>Bologna; Verona; Campobasso; Florence; Pisa; Genoa; Rome, Italy</i>)	465
Proceedings of the Joint International Symposium “Vitamin D in Prevention and Therapy” and “Biologic Effects of Light”, 5-7 June, 2019 (Homburg/Saar, Germany)	
Relevance of Vitamin D in Melanoma Development, Progression and Therapy. A.A. BROŻYNA, R.M. HOFFMAN, A.T. SLOMINSKI (<i>Toruń, Poland; San Diego, CA; Birmingham, AL, USA</i>)	473
Review of Recent Advances in Understanding the Role of Vitamin D in Reducing Cancer Risk: Breast, Colorectal, Prostate, and Overall Cancer. W.B. GRANT (<i>San Francisco, CA, USA</i>)	491
Sunbeds and Melanoma Risk: Many Open Questions, Not Yet Time to Close the Debate. J. REICHRATH, P.G. LINDQVIST, S. PILZ, W. MÄRZ, W.B. GRANT, M.F. HOLICK, F.R. DE GRUIJL (<i>Homburg; Heidelberg; Mannheim, Germany; Stockholm, Sweden; Graz, Austria; San Francisco, CA; Boston, MA, USA; Leiden, the Netherlands</i>)	501
Improving Photoprotection and Implications for 25(OH)D Formation. H.C. WULF, P.A. PHILIPSEN (<i>Copenhagen, Denmark</i>)	511
Recent Developments Towards the Synthesis of Vitamin D Metabolites. L. KATTNER (<i>Saarbrücken, Germany</i>)	519

The Use of Magnetic Seeds and Radiofrequency Identifier Tags in Breast Surgery for Non-palpable Lesions. S. TAYEH, R. GERA, N. PERRY, M. MICHELL, A. MALHOTRA, K. MOKBEL (<i>London, UK</i>).....	315
Papuanine Inhibits Viability of Non-small Cell Lung Cancer Cells by Inducing Mitochondrial Dysfunction. H.-Y. MIN, Y. JUNG, K.H. PARK, H.-Y. LEE (<i>Seoul, Republic of Korea</i>)	323
Prognostic Impact of Prior Androgen Receptor Axis-targeting Agents in Cabazitaxel Chemotherapy After Docetaxel. M. SHIOTA, M. NAKAMURA, A. YOKOMIZO, T. TOMODA, N. SAKAMOTO, N. SEKI, S. HASEGAWA, T. YUNOKI, M. HARANO, K. KUROIWA, M. ETO (<i>Fukuoka; Oita; Kitakyushu; Miyazaki, Japan</i>).....	335
Role of COX2 as a Biomarker for Estimating Survival of Patients With Clinical Stage I Gastric Cancer. H.J. YOO, T.J. KIM, D.J. KIM, W. KIM (<i>Seoul, Republic of Korea</i>)	341
The FSHR Expression in Head and Neck Squamous Cell Cancer. A Pilot Immunohistochemical Study. T. OLEJAR, D. VETVICKA, J. BOUCEK, M. ZABRODSKY, J. BENES, M. KABESOVA, P. POUCKOVA (<i>Prague, Czech Republic</i>)	349
The Role of Anthracyclines in Acute Myeloid Leukemia Consolidation. J.M. BYUN, J.-O. LEE, K.J. SUH, J. LEE, D.-Y. SHIN, Y. KOH, J. HONG, S.-M. BANG, I. KIM, S.-S. YOON (<i>Seoul; Seongnam, Republic of Korea</i>).....	357
A Simple Clinical Instrument to Predict the Survival Probability of Breast Cancer Patients Receiving Radiotherapy for Bone Metastases. S. JANSSEN, R. HAUS, S.E. SCHILD, D. RADES (<i>Lübeck; Hannover, Germany; Scottsdale, AZ, USA</i>)	367
Evaluation of Anastomosis With ICG Fluorescence Method Using VISERA ELITE2 During Laparoscopic Colorectal Cancer Surgery. S. RYU, K. SUWA, T. KITAGAWA, M. AIZAWA, T. USHIGOME, T. OKAMOTO, K. ETO, K. YANAGA (<i>Tokyo, Japan</i>).....	373
Safety and Efficacy of Carbon-ion Radiotherapy Alone for Stage III Non-small Cell Lung Cancer. M. ANZAI, N. YAMAMOTO, K. HAYASHI, M. NAKAJIMA, A. NOMOTO, K. OGAWA, H. TSUJI (<i>Osaka; Chiba, Japan</i>).....	379
Is there a Role for the Appleby Procedure in 2020? Results from a Matched-Pair-Analysis. T. MALINKA, L. TIMMERMANN, F. KLEIN, D. GEISEL, J. PRATSCHKE, M. BAHRA (<i>Berlin, Germany</i>).....	387
Pulmonary Oligometastases Treated by Stereotactic Body Radiation Therapy: A Nationwide Survey of 1,378 Patients. Y. NIIBE, T. YAMAMOTO, H. ONISHI, H. YAMASHITA, K. KATSUI, Y. MATSUMOTO, R.-J. OH, M. AOKI, T. SHINTANI, K. YAMADA, M. KOBAYASHI, M. OZAKI, Y. MANABE, K. YAHARA, A. NISHIKAWA, H. KAKUHARA, K. YAMAMOTO, T. INOUE, Y. TAKADA, K. NAGATA, O. SUZUKI, A. TERAHARA, K. JINGU (<i>Tokyo; Okayama; Sendai; Yamanashi; Niigata; Osaka; Hirosaki; Kyoto; Sapporo; Shizuoka; Hiroshima; Nagoya; Fukuoka; Ehime; Iwate; Nagasaki, Japan</i>).....	393
Clip on Staple Method to Prevent Bile Leakage in Anatomical Liver Resection Using Stapling Devices. M. NINOMIYA, T. TOMINO, R. MATONO, T. NISHIZAKI (<i>Ehime, Japan</i>).....	401
The Impact of Intraoperative Blood Loss on the Long-term Prognosis after Curative Resection for Borrmann Type IV Gastric Cancer: A Retrospective Multicenter Study. H. TAMAGAWA, T. AOYAMA, K. KANO, M. NUMATA, Y. ATSUMI, K. HARA, K. KAZAMA, K. KOUMORI, M. MURAKAWA, I. HASHIMOTO, Y. MAEZAWA, T. YAMADA, N. YUKAWA, T. YOSHIKAWA, M. MASUDA, T. OSHIMA, Y. RINO (<i>Yokohama; Tokyo, Japan</i>)	405
Application of Cluster Analysis to Distant Metastases from Lung Cancer. H. WATANABE, S. OKAUCHI, H. YAMADA, S. SATO, K. MIYAZAKI, T. KODAMA, H. SATOH, N. HIZAWA (<i>Tsukuba; Mito; Hitachinaka; Ryugasaki, Japan</i>)	413

Chronic Stimulation of the Autophagy-inducing Ingredient of Areca Nut Promotes Tumor Growth <i>In Vivo</i> Through Up-regulation of Tumoral Autophagy. C.-T. CHIU, S.-Y. LIU, C.-Y. YEN, B.-Y. LIU, Z.-Y. SUN, C.-Y. WU, J.-L. DENG, Y.-C. LIU, M.-H. LIN (<i>Tainan; Taipei; Kaohsiung, Taiwan, ROC</i>)	221
<i>In Vitro</i> Analysis of the Combinatory Effects of Novel Aminonaphthoquinone Derivatives and Curcumin on Breast Cancer Progression. M.C. PEREIRA, R. MOHAMMED, W.A.L. VAN OTTERLO, C.B. DE KONING, H. DAVIDS (<i>Port Elizabeth; Johannesburg; Western Cape, South Africa</i>)	229
Expression Level of MicroRNA-449a Predicts the Prognosis of Patients With Gastric Cancer. D. ISHIKAWA, K. YOSHIKAWA, C. TAKASU, H. KASHIHARA, M. NISHI, T. TOKUNAGA, J. HIGASHIJIMA, M. SHIMADA (<i>Tokushima, Japan</i>)	239
 <i>Clinical Studies</i> 	
High Rate of Detection of Human ESPL1–HBV S Fusion Gene in Patients With HBV-related Liver Cancer: A Chinese Case–Control Study. B. HU, W. HUANG, R. WANG, W. ZANG, M. SU, H. LI, H. WANG, B. CAO, D. DENG, Q.Q. LI, J. JIANG (<i>Nanning; Hefei, PR China; Bethesda, MD, USA</i>)	245
The Rectus Sheath Block (RSB) Analgesia Following Laparotomy Could Affect Malonaldehyde (MDA) Concentrations in Benign Disease and Cancer. M. RUOTTINEN, V. KUOSMANEN, I. SAIMANEN, V. KAARONEN, D. RAHKOLA, A. HOLOPAINEN, T. SELANDER, H. KOKKI, M. KOKKI, M. ESKELINEN (<i>Kuopio, Finland</i>)	253
Prognostic Significance of Tumor Immunity in Surgically Resected Pulmonary Pleomorphic Carcinoma. K. KAIRA, K. SHIMIZU, H. ENDOH, K. IMAIZUMI, M. KAMIYOSHIHARA, M. SUGANO, O. KAWASHIMA, S. TANAKA, A. FUJITA, H. IMAI, Y. KOGURE, T. OYAMA, T. ASAO, K. SHIRABE (<i>Maebashi; Saitama; Saku; Toyoake; Maebashi; Takasaki; Shibukawa; Isesaki; Ota; Nagoya, Japan</i>)	261
Prediction of Tumor Grade and Nodal Status in Oropharyngeal and Oral Cavity Squamous-cell Carcinoma Using a Radiomic Approach. V. ROMEO, R. CUOCOLO, C. RICCIARDI, L. UGGA, S. COCOZZA, F. VERDE, A. STANZIONE, V. NAPOLITANO, D. RUSSO, G. IMPROTA, A. ELEFANTE, S. STAIBANO, A. BRUNETTI (<i>Naples, Italy</i>)	271
Evaluation of Concordance Between Histopathological, Radiological and Biomolecular Variables in Breast Cancer Neoadjuvant Treatment. O.C. BUONOMO, A. GRASSO, C.A. PISTOLESE, L. ANEMONA, I. PORTARENA, R. MEUCCI, L. MORANDO, C. DEIANA, M. MATERAZZO, G. VANNI (<i>Rome, Italy</i>)	281
A Disease-specific Score for Estimating Survival After Irradiation of Bone Metastases from Colorectal Cancer. R. HAUS, S. JANSSEN, S.E. SCHILD, D. RADES (<i>Lübeck; Hannover, Germany; Scottsdale, AZ, USA</i>)	287
Prognostic Factors in Patients With Recurrent Pancreatic Cancer: A Multicenter Database Analysis. K. FURUKAWA, H. SHIBA, R. HAMURA, K. HARUKI, Y. FUJIWARA, T. USUBA, Y. NAKABAYASHI, T. MISAWA, T. OKAMOTO, K. YANAGA (<i>Tokyo; Saitama; Chiba, Japan</i>)	293
Relationship Between Renal Function and the Incidence of Adverse Events in Patients With Colorectal Cancer Receiving Oxaliplatin. D. WATANABE, H. FUJII, Y. YAMADA, H. IIHARA, T. ISHIHARA, N. MATSUHASHI, T. TAKAHASHI, K. YOSHIDA, A. SUZUKI (<i>Gifu, Japan</i>)	299
Management of Cancer-associated Thrombosis (CAT): Symptomatic or Incidental. P. PAKOTOULAS, N. TSOUKALAS, A. CHRISTOPOULOU, A. ARDAVANIS, G. KOUMAKIS, C. PAPANDREOU, G. PAPATSIMPAS, P. PAKAKOSTAS, G. SAMELIS, C. ANDREADIS, G. ARAVANTINOS, N. ZIRAS, C. KALOFONOS, E. SAMANTAS, M. SOUGGLERI, P. MAKRANTONAKIS, G. PENTHEROUDAKIS, A. ATHANASIADIS, H. STERGIU, S. TRIPODAKI, A. BOKAS, A. GRIVAS, E. TIMOTHEADOU, E. BOURNAKIS, I. VARTHALITIS, I. BOUKOVINAS (<i>Thessaloniki; Athens; Patras; Larissa; Kifissia; Piraeus; Ioannina, Greece</i>)	305

Comparison of HER2 Status Before and After Trastuzumab-based Chemotherapy in Patients With Advanced Gastric Cancer. T. KIJIMA, T. ARIGAMI, Y. UENOSONO, T. HIRAKI, S. YANAGITA, D. MATSUSHITA, K. OKUBO, M. SHIMONOSONO, S. ISHIGAMI, K. MAEMURA, A. TANIMOTO, S. NATSUGOE (<i>Kagoshima, Japan</i>).....	75
Prognostic Significance of ZKSCAN3 (ZNF306) Expression in Gastric Carcinoma. Y. TAKANO, A. SHIDA, M. FUJISAKI, N. MITSUMORI, K. YANAGA (<i>Tokyo, Japan</i>).....	81
Further Quantitative Structure–Cytotoxicity Relationship Analysis of 3-Styrylchromones. K. TAKAO, K. HOSHI, H. SAKAGAMI, H. SHI, K. BANDOW, J. NAGAI, Y. UESAWA, A. TOMOMURA, M. TOMOMURA, Y. SUGITA (<i>Saitama; Tokyo; Chiba, Japan; Shanghai, PR China</i>).....	87
Chronic Expanding Hematoma with a t(11;19)(q13;q13) Chromosomal Translocation. I. PANAGOPOULOS, L. GORUNOVA, I. KOSTOLOMOV, I. LOBMAIER, B. BJERKEHAGEN, S. HEIM (<i>Oslo, Norway</i>).....	97
Assessment of the Changes in Mitochondrial Gene Polymorphism in Ulcerative Colitis and the Etiology of Ulcerative Colitis-associated Colorectal Cancer. T. TANAKA, T. KOBUNAI, Y. YAMAMOTO, K. MURONO, S. EMOTO, M. HIYOSHI, M. KANEKO, K. SASAKI, Y. SHUNO, T. NISHIKAWA, K. HATA, K. KAWAI, H. NOZAWA, S. ISHIHARA (<i>Tokyo, Japan</i>).....	101
Taxotere Induces Dephosphorylation of MET in Patient-derived Tumor Models. H. MUN, S.-H. LEE, C.-H. LEE, S.-Y. JO, J.-H. OH, A. LEE, B. LEE, S.J. JANG, Y.-A. SUH (<i>Seoul; Daegu, Republic of Korea</i>).....	109
Metformin Inhibits Proliferation and Tumor Growth of QGP-1 Pancreatic Neuroendocrine Tumor Cells by Inducing Cell Cycle Arrest and Apoptosis. H. YAMANA, K. KATO, H. KOBARA, S. FUJIHARA, K. FUJITA, D. NAMIMA, N. FUJITA, K. KOBAYASHI, H. KAMADA, A. MORISHITA, K. TSUTSUI, H. IWAMA, T. MASAKI (<i>Kagawa, Japan</i>).....	121
PTC209, a Specific Inhibitor of BMI1, Promotes Cell Cycle Arrest and Apoptosis in Cervical Cancer Cell Lines. J. LI, Z. VANGUNDY, M. POI (<i>Columbus, OH, USA</i>).....	133
Serum Adiponectin Levels Do Not Distinguish Primary from Metastatic Liver Tumors. S. FEDER, A. KANDULSKI, D. SCHACHERER, T.S. WEISS, C. BUECHLER (<i>Regensburg, Germany</i>).....	143
Galloflavin Plus Metformin Treatment Impairs Pancreatic Cancer Cells. E.H.U. WENDT, M. SCHOENROGGE, B. VOLLMAR, D. ZECHNER (<i>Rostock, Germany</i>).....	153
Development of a Novel Oncolytic Adenovirus Expressing a Short-hairpin RNA Against Cullin 4A. K. WAKABAYASHI, F. SAKURAI, R. ONO, T. FUJIWARA, H. MIZUGUCHI (<i>Osaka; Okayama, Japan</i>).....	161
Characterization of CD44-positive Cancer Stem-like Cells in COLO 201 Cells. H. OKUYAMA, W. NOGAMI, Y. SATO, H. YOSHIDA, Y. TONA, Y. TANAKA (<i>Fukuoka; Osaka, Japan</i>).....	169
COUP-TFII Knock-down Promotes Proliferation and Invasion in Colorectal Cancer Cells via Activation of Akt Pathway and Up-regulation of FOXC1. S.-H. YUN, S.-H. HAN, J.-I. PARK (<i>Busan, Republic of Korea</i>).....	177
Circulating Tumor DNA in Saliva in an Orthotopic Head and Neck Cancer Mouse Model. Y.-G. EUN, Y.J. YOON, K.Y. WON, Y.C. LEE (<i>Seoul, Republic of Korea</i>).....	191
The Significance of Molecular Biomarkers on Clinical Survival Outcome Differs Depending on Colon Cancer Sidedness. S. HIRABAYASHI, M. HAYASHI, G. NAKAYAMA, S. MII, N. HATTORI, H. TANABE, M. KANDA, C. TANAKA, D. KOBAYASHI, S. YAMADA, M. KOIKE, M. FUJIWARA, M. TAKAHASHI, Y. KODERA (<i>Nagoya, Japan</i>).....	201
Kisspeptin Promotes Glioblastoma Cell Invasiveness Via the Gq-PLC-PKC Pathway. T.-H. KIM, J.H. YOON, S.-G. CHO (<i>Chungbuk, Republic of Korea</i>).....	213