

## Instructions for Authors 2021

**General Policy.** ANTICANCER RESEARCH (AR) will accept original high quality works and reviews on all aspects of experimental and clinical cancer research. The Editorial Policy suggests that priority will be given to papers advancing the understanding of cancer causation, and to papers applying the results of basic research to cancer diagnosis, prognosis, and therapy. Each article should include a concrete conclusion constituting a “new piece of knowledge” backed up by scientific evidence. AR will also accept the following for publication: (a) Abstracts and Proceedings of scientific meetings on cancer, following consideration and approval by the Editorial Board; (b) Announcements of meetings related to cancer research; (c) Short reviews (of approximately 120 words) and announcements of newly received books and journals related to cancer, and (d) Announcements of awards and prizes.

AR provides for the prompt print and online publication of accepted articles, generally within 1-2 months from final acceptance. Manuscripts will be accepted on the understanding that they report original unpublished works in the field of cancer research that are not under consideration for publication by another journal, and that they will not be published again in the same form. All authors should sign a submission letter confirming the approval of their article contents. All material submitted to AR will be subject to peer-review, when appropriate, by two members of the Editorial Board and by one suitable outside referee. All manuscripts submitted to AR are urgently treated with absolute confidence, with access restricted to the Managing Editor, the journal’s secretary, the reviewers and the printers. The Editors reserve the right to improve manuscripts on grammar and style.

The Editors and Publishers of AR accept no responsibility for the contents and opinions expressed by the contributors. Authors should warrant due diligence in the creation and issuance of their work.

**NIH Open Access Policy.** The journal acknowledges that authors of NIH-funded research retain the right to provide a copy of the published manuscript to the NIH four months after publication in ANTICANCER RESEARCH, for public archiving in PubMed Central.

**Copyright.** Once a manuscript has been published in ANTICANCER RESEARCH, which is a copyrighted publication, the legal ownership of all published parts of the paper has been transferred from the Author(s) to the journal. Material published in the journal may not be reproduced or published elsewhere without the written consent of the Managing Editor or Publisher.

**Format.** Two types of papers may be submitted: (i) Full papers containing completed original work (without supplementary data), and (ii) review articles concerning fields of recognisable progress. Papers should contain all essential data in order to make the presentation clear. Reasonable economy should be exercised with respect to the number of tables and illustrations used. Papers should be written in clear, concise English. Spelling should follow that given in the “Shorter Oxford English Dictionary”.

**Manuscripts.** Submitted manuscripts exceeding 4 printed pages will be subject to excess page charges. The 4 printed pages correspond approximately to twelve (12) document pages (~250 words per double-spaced typed page in Arial 12), including abstract, text, tables, figures, and references. All manuscripts should be divided into the following sections: (a) *First page* including the title of the presented work [not exceeding fifteen (15) words], full names and full postal addresses of all Authors, name of the Author to whom proofs are to be sent, key words, an abbreviated running title, an indication “review”, “clinical”, “epidemiological”, or “experimental” study, and the date of submission. (Note: The order of the Authors is not necessarily indicative of their contribution to the work. Authors may note their individual contribution(s) in the appropriate section(s) of the presented work or before the Acknowledgements); (b) *Abstract* not exceeding 150 words, organized according to the following headings: Background/Aim – Materials and Methods/Patients and Methods – Results – Conclusion; (c) *Introduction*; (d) *Materials and Methods/Patients and Methods*; (e) *Results*; (f) *Discussion*; (g) *Conflicts of Interest*; (h) *Authors’ contributions*; (i) *Acknowledgements*; (j) *References*. All pages must be numbered consecutively. Footnotes should be avoided. Review articles may follow a different style according to the subject matter and the Author’s opinion. Review articles should not exceed 35 pages (approximately 250 words per double-spaced typed page) including all tables, figures, and references.

**Figures (graphs and photographs).** All figures should appear at the end of the submitted document file. Once a manuscript is accepted all figures should be submitted separately in either jpg, tiff or pdf format and at a minimum resolution of 300 dpi. Graphs must be submitted as pictures made from drawings and must not require any artwork, typesetting, or size modifications. Figures should be prepared at a width of 8 or 17cm with eligible symbols, lettering and numbers. The number of each figure must be indicated. Pages that include color figures are subject to color charges.

**Tables.** All tables should appear at the end of the submitted document file. Each table may have 2-10 vertical columns. Once a manuscript is accepted, each table should be submitted separately, typed double-spaced. Tables should be numbered with Roman numerals and should include a short title.

**References.** Authors must assume responsibility for the accuracy of the references used. Citations for the reference sections of submitted works should follow the form below and must be numbered consecutively. In the text, references should be cited by number in parenthesis. Examples: 1 Kenyon J, Liu W and Dalgleish A: Report of objective clinical responses of cancer patients to pharmaceutical-grade synthetic cannabidiol. *Anticancer Res* 38(10): 5831-5835, 2018. PMID: 30275207. DOI: 10.21873/anticancer.12924. (PMIDs and DOIs only if

applicable). 2 McGuire WL and Chamnes GC: Studies on the oestrogen receptor in breast cancer. In: Receptors for Reproductive Hormones. O' Malley BW, Chamnes GC (eds.). New York, Plenum Publ Corp., pp 113-136, 1973. 3 Global Health Estimates 2015: Disease Burden by Cause, Age, Sex, by Country and by Region, 2000-2015. Geneva, World Health Organisation, 2016. Available at [http://www.who.int/healthinfo/global\\_burden\\_disease/estimates/en/index2.html](http://www.who.int/healthinfo/global_burden_disease/estimates/en/index2.html). Last accessed on 3rd April 2018. (The web address should link directly to the cited information and not to a generic webpage).

**Nomenclature and Abbreviations.** Nomenclature should follow that given in "Chemical Abstracts", "Index Medicus", "Merck Index", "IUPAC -IUB", "Bergey's Manual of Determinative Bacteriology", The CBE Manual for Authors, Editors and Publishers (6th edition, 1994), and MIAME Standard for Microarray Data. Human gene symbols may be obtained from the HUGO Gene Nomenclature Committee (HGNC) (<http://www.gene.ucl.ac.uk/>). Approved mouse nomenclature may be obtained from <http://www.informatics.jax.org/>. Standard abbreviations are preferable. If a new abbreviation is used, it must be defined on first usage.

**Clinical Trials.** Authors of manuscripts describing clinical trials should provide the appropriate clinical trial number in the correct format in the text.

For International Standard Randomised Controlled Trials (ISRCTN) Registry (a not-for-profit organization whose registry is administered by Current Controlled Trials Ltd.) the unique number must be provided in this format: ISRCTNXXXXXXXX (where XXXXXXXX represents the unique number, always prefixed by "ISRCTN"). Please note that there is no space between the prefix "ISRCTN" and the number. Example: ISRCTN47956475.

For Clinicaltrials.gov registered trials, the unique number must be provided in this format: NCTXXXXXXXX (where XXXXXXXX represents the unique number, always prefixed by 'NCT'). Please note that there is no space between the prefix 'NCT' and the number. Example: NCT00001789.

**Ethical Policies and Standards.** ANTICANCER RESEARCH agrees with and follows the "Uniform Requirements for Manuscripts Submitted to Biomedical Journals" established by the International Committee of Medical Journal Editors in 1978 and updated in October 2001 ([www.icmje.org](http://www.icmje.org)). Microarray data analysis should comply with the "Minimum Information About Microarray Experiments (MIAME) standard". Specific guidelines are provided at the "Microarray Gene Expression Data Society" (MGED) website. Presentation of genome sequences should follow the guidelines of the NHGRI Policy on Release of Human Genomic Sequence Data. Research involving human beings must adhere to the principles of the Declaration of Helsinki and Title 45, U.S. Code of Federal Regulations, Part 46, Protection of Human Subjects, effective December 13, 2001. Research involving animals must adhere to the Guiding Principles in the Care and Use of Animals approved by the Council of the American Physiological Society. The use of animals in biomedical research should be under the careful supervision of a person adequately trained in this field and the animals must be treated humanely at all times. Research involving the use of human foetuses, foetal tissue, embryos and embryonic cells should adhere to the U.S. Public Law 103-41, effective December 13, 2001.

**Submission of Manuscripts.** Please follow the Instructions for Authors regarding the format of your manuscript and references. Manuscripts must be submitted only through our online submission system at: <http://www.iiar-submissions.com/login.html>. In case a submission is incomplete, the corresponding Author will be notified accordingly. Questions regarding difficulties in using the online submission system should be addressed to: email: [journals@iiar-anticancer.org](mailto:journals@iiar-anticancer.org)

**Galley Proofs.** Unless otherwise indicated, galley proofs will be sent to the corresponding Author of the submission. Corrections of galley proofs should be limited to typographical errors. Reprints, PDF files, and/or Open Access may be ordered after the acceptance of the paper. Authors of online open access articles are entitled to a complimentary online subscription to Anticancer Research for the current year and all previous digital content since 2004 (upon request to the Subscriptions Office). Galley proofs should be returned corrected to the Editorial Office by email ([iiar@iiar-anticancer.org](mailto:iiar@iiar-anticancer.org)) within two days.

### **Specific information and additional instructions for Authors**

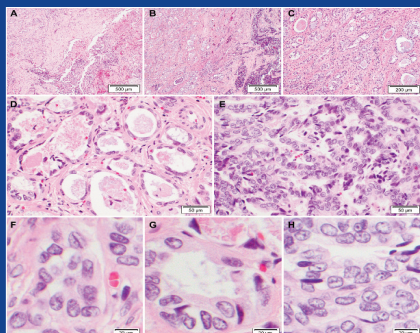
1. Anticancer Research (AR) closely follows the new developments in all fields of experimental and clinical cancer research by (a) inviting reviews on topics of immediate importance and substantial progress in the last three years, and (b) providing the highest priority for rapid publication to manuscripts presenting original results judged to be of exceptional value. Theoretical papers will only be considered and accepted if they bear a significant impact or formulate existing knowledge for the benefit of research progress.
2. Anticancer Research will consider the publication of conference proceedings and/or abstracts provided that the material submitted fulfils the quality requirements and instructions of the journal, following the regular review process by two suitable referees.
3. An acknowledgement of receipt, including the article number, title and date of receipt is sent to the corresponding author of each manuscript upon receipt. If this receipt is not received within 5 days from submission, the author should contact the Editorial Office to ensure that the manuscript (or the receipt) was not lost in the mail or during electronic submission.

4. Each manuscript submitted to AR is sent for peer-review in confidence to two-three suitable referees with the request to return the manuscript with their comments to the Editorial Office within 12 days from receipt. If reviewers need a longer time or wish to send the manuscript to another expert, the manuscript may be returned to the Editorial Office with a delay. All manuscripts submitted to AR, are treated in confidence, without access to any person other than the Managing Editor, the journal's secretary, the reviewers and the printers.
  5. All accepted manuscripts are carefully corrected in style and language, if necessary, to make presentation clear. (There is no fee for this service). Every effort is made (a) to maintain the personal style of the author's writing and (b) to avoid change of meaning. Authors will be requested to examine carefully manuscripts which have undergone language correction at the pre-proof or proof stage.
  6. Authors should pay attention to the following points when writing an article for AR:
    - The Instructions to Authors must be followed in every detail.
    - The presentation of the experimental methods should be clear and complete in every detail facilitating reproducibility by other scientists.
    - The presentation of results should be simple and straightforward in style. Results and Discussion should not be combined into one section.
    - Results given in figures should not be repeated in tables.
    - Photographs should be clear with high contrast, presenting the actual observation described in the legend and in the text. Each legend should provide a complete description, being self-explanatory, including technique of preparation, information about the specimen and magnification.
    - Statistical analysis should be elaborated wherever it is necessary. Simplification of presentation by giving only numerical or % values should be avoided.
    - Fidelity of the techniques and reproducibility of the results, should be points of particular importance in the discussion section. Authors are advised to check the correctness of their methods and results carefully before writing an article. Probable or dubious explanations should be avoided.
    - Authors should not cite results submitted for publication in the reference section. Such results may be described briefly in the text with a note in parenthesis (submitted for publication by... authors, year).
    - References. Each article should address, list and discuss the entire spectrum of current publications relevant to its field.
    - By following these instructions, Authors will facilitate a more rapid review and processing of their manuscripts and will provide the readers with concise and useful papers.
  7. Following review and acceptance, a manuscript is examined in language and style, and galley proofs are rapidly prepared. Second proofs are not sent unless required.
  8. Authors should correct their galley proofs very carefully and preferably twice. An additional correction by a colleague always proves to be useful. Particular attention should be paid to chemical formulas, mathematical equations, symbols, medical nomenclature etc. Any system of correction marks can be used in a clear manner, preferably with a red pen. Additions or clarifications are allowed provided that they improve the presentation but do not bring new results (no fee).
  9. Articles submitted to AR may be rejected without review if:
    - they do not fall within the journal's policy.
    - they do not follow the instructions for authors.
    - language is unclear.
    - results are not sufficient to support a final conclusion.
    - results are not objectively based on valid experiments.
    - they repeat results already published by the same or other authors before the submission to AR.
    - plagiarism is detected by plagiarism screening services.  
(Rejection rate (2020): 68%).
  10. Authors who wish to prepare a review should contact the Managing Editor of the journal in order to get confirmation of interest in the particular topic of the review. The expression of interest by the Managing Editor does not necessarily imply acceptance of the review by the journal.
  11. Authors may inquire information about the status of their manuscript(s) by calling the Editorial Office at +30-22950-53389, Monday to Friday 9.00-16.00 (Athens time), or by sending an e-mail to [journals@iiar-anticancer.org](mailto:journals@iiar-anticancer.org)
  12. Authors who wish to organize and edit a special issue on a particular topic should contact the Managing Editor.
  13. Authors, Editors and Publishers of books are welcome to submit their books for immediate review in AR. There is no fee for this service.
- (This text is a combination of advice and suggestions contributed by Editors, Authors, Readers and the Managing Editor of AR).

**Copyright© 2021** – International Institute of Anticancer Research (G.J. Delinasios). All rights reserved (including those of translation into other languages). No part of this journal may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, microfilming, recording or otherwise, without written permission from the Publisher.

# CANCER GENOMICS & PROTEOMICS

ISSN (online): 1790-6245



Published by the International Institute of Anticancer Research

Online ISSN: 1790-6245

## General Policy

- **CANCER GENOMICS & PROTEOMICS (CGP)** welcomes submissions of original high quality articles and reviews on all aspects of the application of genomic and proteomic technologies to experimental and clinical cancer research. The journal's scientific spectrum includes: (a) molecular causes of carcinogenesis, cancer progression and metastasis; (b) structural and functional aspects of genes in the cancer cell; (c) advances in genomic and proteomic technologies applicable to cancer research; (d) anticancer drug design and drug development. A main aim of CGP is to ensure the prompt and confidential review, and rapid publication of original works and reviews, generally within 1-3 months from submission.
- CGP is published bimonthly by the **International Institute of Anticancer Research (IIAR)** and is available online only and open access with **Stanford University HighWire Press**. For more information please visit our website [www.cgp.iiarjournals.org](http://www.cgp.iiarjournals.org).
- **Editorial Office:** International Institute of Anticancer Research, 1st km Kapandritiou-Kalamou Rd., P.O. Box 22, Kapandriti, Attiki 19014, Greece. Tel: +30 22950 52945, Fax: +30 22950 53389.
- **U.S. Branch:** Anticancer Research Inc., USA, 111 Bay Avenue, Highlands, NJ, USA.
- **E-mail:** [journals@iiar-anticancer.org](mailto:journals@iiar-anticancer.org); IIAR WEBSITES: [www.iiar-anticancer.org](http://www.iiar-anticancer.org) and [www.iiarjournals.org](http://www.iiarjournals.org)

## ● Selection of Recent Articles

Micro RNAs Promoting Growth and Metastasis in Preclinical *In Vivo* Models of Subcutaneous Melanoma. U.H. WEIDLE, S. AUSLÄNDER, U. BRINKMANN (*Penzberg, Germany*)

Differential Proteomic Analysis of Hepatocellular Carcinomas from *Ppp2r5d* Knockout Mice and Normal (Knockout) Livers. C. LAMBRECHT, G.B. FERREIRA, J.D. OMELLA, L. LIBBRECHT, R. DE VOS, R. DERUA, C. MATHIEU, L. OVERBERGH, E. WAELEKENS, V. JANSSENS (*Leuven; Brussels, Belgium*)

Stem-like Cells from Invasive Breast Carcinoma Cell Line MDA-MB-231 Express a Distinct Set of Eph Receptors and Ephrin Ligands. M. LUCERO, J. THIND, J. SANDOVAL, S. SENAATI, B. JIMENEZ, R.P. KANDPAL (*Pomona, CA, USA*)

Circulating Tumor DNA in Biliary Tract Cancer: Current Evidence and Future Perspectives. A. RIZZO, A.D. RICCI, S. TAVOLARI, G. BRANDI (*Bologna, Italy*)

Whole-transcriptome Analysis of Fully Viable Energy Efficient Glycolytic-null Cancer Cells Established by Double Genetic Knockout of Lactate Dehydrogenase A/B or Glucose-6-Phosphate Isomerase. E. MAZZIO, R. BADISA, N. MACK, S. CASSIM, M. ZDRALEVIC, J. POUYSSEGUR, K.F.A. SOLIMAN (*Tallahassee, FL, USA; Monaco, Monaco; Nice, France*)

TIP60/P400/H4K12ac Plays a Role as a Heterochromatin Back-up Skeleton in Breast Cancer. M. IDRISOU, T. BOISNIER, A. SANCHEZ, F.Z.H. KHOUFAF, F. PENAULT-LLORCA, Y.-J. BIGNON, D. BERNARD-GALLON (*Clermont-Ferrand, France*)

STRA6 Expression Serves as a Prognostic Biomarker of Gastric Cancer. S. NAKAMURA, M. KANDA, D. SHIMIZU, K. SAWAKI, C. TANAKA, N. HATTORI, M. HAYASHI, S. YAMADA, G. NAKAYAMA, K. OMAE, M. KOIKE, Y. KODERA (*Nagoya; Fukushima, Japan*)

Expression Patterns of CD44 and AREG Under Treatment With Selective Tyrosine Kinase Inhibitors in HPV+ and HPV- Squamous Cell Carcinoma. B. KANSY, C. ADERHOLD, L. HUBER, S. LUDWIG, R. BIRK, A. LAMMERT, S. LANG, N. ROTTER, B. KRAMER (*Essen; Mannheim; Marburg, Germany*)

Chromobox 2 Expression Predicts Prognosis After Curative Resection of Oesophageal Squamous Cell Carcinoma. S. UEDA, M. KANDA, Y. SATO, H. BABA, S. NAKAMURA, K. SAWAKI, D. SHIMIZU, S. MOTOYAMA, T. FUJII, Y. KODERA, S. NOMOTO (*Nagoya; Akita; Toyama, Japan*)

Fusion of the Lumican (*LUM*) Gene With the Ubiquitin Specific Peptidase 6 (*USP6*) Gene in an Aneurysmal Bone Cyst Carrying a t(12;17)(q21;p13) Chromosome Translocation. I. PANAGOPOULOS, L. GORUNOVA, K. ANDERSEN, I. LOBMAIER, M. LUND-IVERSEN, F. MICCI, S. HEIM (*Oslo, Norway*)

Influence of Concurrent Mutations on Overall Survival in EGFR-mutated Non-small Cell Lung Cancer. M. CHEVALLIER, P. TSANTOULIS, A. ADDEO, A. FRIEDLAENDER (*Geneva, Switzerland*)

Long Noncoding RNA *ANROC* on the *INK4* Locus Functions to Suppress Cell Proliferation. Y. KOTAKE, T. TSURUDA (*Fukuoka, Japan*)

The KDR (VEGFR-2) Genetic Polymorphism Q472H and c-KIT Polymorphism M541L Are Associated With More Aggressive Behaviour in Astrocytic Gliomas. N. ZAMAN, S.S. DASS, P.D. PARCQ, S. MACMAHON, L. GALLAGHER, L. THOMPSON, J.S. KHORASHAD, C. LIMBÄCK-STANIC (*London, UK*)

KIF15 Expression in Tumor-associated Monocytes Is a Prognostic Biomarker in Hepatocellular Carcinoma. A. KITAGAWA, T. MASUDA, J. TAKAHASHI, T. TOBO, M. NODA, Y. KURODA, Q. HU, Y. KOUYAMA, Y. KOBAYASHI, S. KURAMITSU, K. SATO, A. FUJII, Y. YOSHIKAWA, H. WAKIYAMA, D. SHIMIZU, Y. TSURUDA, H. EGUCHI, Y. DOKI, M. MORI, K. MIMORI (*Oita; Osaka; Fukuoka, Japan*)

**Contents***Reviews*

Reasons to Reconsider Risk Associated With Power Morcellation of Uterine Fibroids. C. HOLZMANN, W. KIEPKE, B. ROMMEL, B. HELMKE, J. BULLERDIEK (Rostock; Baden Baden-Buehl; Bremen; Stade, Germany) ..... 1

Three-dimensional Versus Two-dimensional Laparoscopic Surgery for Colorectal Cancer: Systematic Review and Meta-analysis. G. PANTALOS, D. PATSOURAS, E. SPARTALIS, D. DIMITROULIS, G. TSOUROUFLIS, N. NITTEAS (Athens, Greece) ..... 11

Intraoperative Indocyanine Green (ICG) Angiography for the Identification of the Parathyroid Glands: Current Evidence and Future Perspectives. E. SPARTALIS, G. NTOKOS, K. GEORGIU, G. ZOGRAFOS, G. TSOUROUFLIS, D. DIMITROULIS, N.I. NITTEAS (Athens, Greece) ..... 23

*Experimental Studies*

Fancsani Anemia Mouse Genotype-specific Mitigation of Total Body Irradiation by GS-Nitroside JPM-039. M.W. EPPERLY, R. FISHER, X. ZHANG, W. HOU, D. SHIELDS, P. WIPF, H. WANG, S. THERMOZIER, J.S. GREENBERGER (Pittsburgh, PA, USA) ..... 33

Second-generation Probiotics Producing IL-22 Increase Survival of Mice After Total Body Irradiation. X. ZHANG, R. FISHER, W. HOU, D. SHIELDS, M.W. EPPERLY, H. WANG, L. WEI, B.J. LEBOWITZ, J. YU, L.M. ALEXANDER, J.-P. VAN PIJKEREN, S. WATKINS, P. WIPF, J.S. GREENBERGER (Pittsburgh, PA; Madison, WI, USA) ..... 39

The Association of MMP7 Genotype With Pterygium. P.-S. HU, Y.-C. WANG, C.-H. LIAO, N.-Y. HSIA, M.-F. WU, J.-S. YANG, C.-C. YU, W.-S. CHANG, D.-T. BAI, C.-W. TSAI (Taichung; Changhua; Taipei, Taiwan, ROC) ..... 51

Contents continued on the back cover

ISSN (online): 1791-7549

**General Policy**

- **IN VIVO** is a multidisciplinary journal designed to bring together original high quality works and reviews on experimental and clinical biomedical research within the frames of human physiology, pathology and disease management. A special focus of the journal is the publication of works on: (a) Experimental development and application of new diagnostic procedures; (b) Pharmacological and toxicological evaluation of new drugs and drug combinations; (c) Clinical trials; (d) Development and characterization of models of biomedical research.
- The principal aim of **IN VIVO** is to provide prompt online publication for accepted articles, generally within 1-2 months from final acceptance (3 months from submission).
- **Editorial Office:** International Institute of Anticancer Research, 1st km Kapandritiou-Kalamou Rd., P.O. Box 22, Kapandriti, Attiki 19014, Greece. Tel: +30 22950 52945, Fax: +30 22950 53389.
- **U.S. Branch:** Anticancer Research Inc., USA, 111 Bay Avenue, Highlands, NJ, USA.
- **E-mail:** journals@iia-anticancer.org; IIAR WEBSITES: www.iia-anticancer.org and www.iiajournals.org

- **International Journal of Experimental and Clinical Pathophysiology and Drug Research**
- **Published bimonthly by the International Institute of Anticancer Research**
- **Available online only and open access with Stanford University HighWire Press**

**● Selection of Recent Articles**

Sutureless Surgical Orthotopic Implantation Technique of Primary and Metastatic Cancer in the Liver of Mouse Models. H. NISHINO, H.M. HOLLANDSWORTH, N. SUGISAWA, J. YAMAMOTO, Y. TASHIRO, S. INUBUSHI, K. HAMADA, Y. SUN, H. LIM, S. AMIRFAKHRI, F. FILEMONI, R.M. HOFFMAN, M. BOUVET (San Diego, CA, USA; Kyoto, Japan)

Hip Arthroplasty Following Subtotal Sacrectomy for Chordoma. M.R. CLAXTON, M.B. SHIRLEY, J.D. JOHNSON, K.I. PERRY, P.S. ROSE, M.T. HOUDEK (Rochester, MN, USA)

SMN Protein Contributes to Skeletal Muscle Cell Maturation Via Caspase-3 and Akt Activation. S. ANDO, M. TANAKA, N. CHINEN, S. NAKAMURA, M. SHIMAZAWA, H. HARA (Gifu, Japan)

Comparison of TMA Technique and Routine Whole Slide Analysis in Evaluation of Proliferative Markers Expression in Laryngeal Squamous Cell Cancer. U. CIESIELSKA, A. PIOTROWSKA, C. KOBIERZYCKI, W. PASTUSZEWSKI, M. PODHORSKA-OKOLOW, P. DZIEGIEL, K. NOWINSKA (Wroclaw, Poland; Namsos, Norway)

Leucocyte Count Does Not Improve the Diagnostic Performance of a Diagnostic Score (DS) in Distinguishing Acute Appendicitis (AA) from Nonspecific Abdominal Pain (NSAP). J. MEKLIN, M. ESKELINEN, K. SYRJANEN, M. ESKELINEN (Kuopio; Kaarina, Finland; Barretos, Brazil)

Evaluating the Decision-to-Delivery Interval in Emergency Cesarean Sections and its Impact on Neonatal Outcome. J.-A. BRANDT, B. MORGENSTERN, F. THANGARAJAH, B. GRÜTTNER, S. LUDWIG, C. EICHLER, J. RATIU, P. MALLMANN, D. RATIU (Cologne, Germany)

Cutaneous Stomal Recurrence of Colorectal Cancer After Curative Rectal Cancer Surgery – A Case Report and Systematic Review. S. DAVEY, K. MCCARTHY (Bristol, UK)

Knockout of TRPV1 Exacerbates Ischemia-reperfusion-induced Renal Inflammation and Injury in Obese Mice. B. ZHONG, S. MA, D.H. WANG (East Lansing, MI, USA)

*In Vitro* and *In Vivo* Biocompatibility Analysis of a New Transparent Collagen-based Wound Membrane for Tissue Regeneration in Different Clinical Indications. O. JUNG, M. RADENKOVIC, S. STOJANOVIĆ, C. LINDNER, M. BATINIC, O. GÖRKE, J. PISSAREK, A. PRÖHL, S. NAJMAN, M. BARBECK (Rostock; Berlin, Germany; Niš, Serbia)

Hepatocellular Carcinoma-associated microRNAs Induced by Hepatoma-derived Growth Factor Stimulation. H. ENOMOTO, H. NAKAMURA, H. NISHIKAWA, T. NISHIMURA, Y. IWATA, S. NISHIGUCHI, H. IJIMA (Hyogo; Osaka, Japan)

An Improved Encapsulation Method for Cryopreserving Hepatocytes for Functional Transplantation Using a Thermo-reversible Gelation Polymer. K. YAMADA, T. AOKI, Y. ENAMI, Y. TASHIRO, Z. ZEHAOU, T. KOIZUMI, T. KUSANO, K. MATSUDA, Y. WADA, H. SHIBATA, K. TOMIOKA, K. SIRIRATSIVAWONG, R.M. HOFFMAN, M. MURAKAMI (Tokyo, Japan; San Diego, CA, USA)

Comparison of Risk Factors for Locally Advanced Lower Rectal Cancer Recurrence Evaluated by Magnetic Resonance Imaging and Pathological Factors Analysed by Longitudinal Slicing Method. T. SHIRAISHI, H. OGAWA, S. KUMASAKA, Y. SHIMODA, K. OSONE, T. OKADA, Y. ENOKIDA, A. SANO, M. SAKAI, T. YOKOBORI, Y. TSUSHIMA, T. OYAMA, M. SOHDA, K. SHIRABE, H. SAEKI ( <i>Maebashi, Japan</i> ).....	3161
Prognostic Factors for Patients With Brain Metastases Treated With Single-fraction Gamma Knife Radiosurgery. T. NOYAMA, A. KATANO, Y. SHINYA, M. KAWASHIMA, M. SHIN, N. SAITO, H. YAMASHITA ( <i>Tokyo, Japan</i> ).....	3169
The INCH Trial – Induction Chemotherapy in Patients With Bulky Anal Canal Cancer: Evaluation of the Pilot Phase. F. DE FELICE, A. FALLARINO, F. IAFRATE, V. MAIURI, G. GALLONI, G.T. COLONNA, R. DE PIETRO, G. CHIARELLO, C. MARCHETTI, N. BULZONETTI, D. MUSIO, V. TOMBOLINI ( <i>Rome, Italy</i> ).....	3179
The Prognostic Value of Programmed Death-ligand 1 (PD-L1) in Patients who Received Neoadjuvant Chemoradiation Therapy Followed by Surgery for Locally Advanced Non-small Cell Lung Cancer. G.D. LEE, B. CHUNG, J.S. SONG, S.J. JANG, H.R. KIM ( <i>Seoul, Republic of Korea</i> ).....	3187
Palliative Local Radiotherapy for Advanced Squamous Cell Carcinoma of the Head-and-Neck: Prognostic Factors of Survival. C. STAACKMANN, J. RIBBAT-IDEL, S. PERNER, C. IDEL, K.L. BRUCHHAGE, S.G. HAKIM, S.E. SCHILD, D. RADES ( <i>Lübeck; Borstel, Germany; Scottsdale, AZ, USA</i> ).....	3193
Book Reviews.....	3205

Peri-operative Variables Associated With Prolonged Intensive Care Stay Following Cytoreductive Surgery for Ovarian Cancer. A. COLLINS, S. SPOONER, J. HORNE, M. CHAINRAI, F. RUNAU, T. BOURNE, E.L. MOSS, Q. DAVIES, S. CHATTOPADHYAY, R. BHARATHAN ( <i>Leicester, UK</i> ) .....	3055
Are Proinflammatory Cytokines Relevant for the Diagnosis of Prostate Cancer? M.M. GARRIDO, R.M. RIBEIRO, K. KRÜGER, L.C. PINHEIRO, J.T. GUIMARÃES, S. HOLDENRIEDER ( <i>Lisbon; Porto, Portugal; Munich, Germany</i> ) .....	3059
Patient Quality of Life After Subpectoral Implant-based Breast Reconstruction With Synthetic or Biological Materials. R. OHLINGER, Z. ALWAFAI, S. PAEPKE, M. ZYGMUNT, F. NAWROTH, K. SCHÜLER, P. FRÖHLICH ( <i>Greifswald; Munich, Germany</i> ) .....	3067
Pathological Fracture of the Tibia as a First Sign of Hyperparathyroidism – A Case Report and Systematic Review of the Current Literature. A. KEILER, D. DAMMERER, M. LIEBENSTEINER, K. SCHMITZ, P. KAISER, A. WURM ( <i>Innsbruck, Austria</i> ) .....	3075
Risk–benefit Analysis of FOLFIRI Plus Ramucirumab/Aflibercept as a Third-line Treatment in Metastatic Colorectal Cancer. M. KIMURA, E. USAMI, H. TERAMACHI, T. YOSHIMURA ( <i>Gifu, Japan</i> ) .....	3083
Prognostic Significance of HER2 Expression for Gastric Cancer With Clinically Para-aortic Lymph Node Metastasis. T. ARIGAMI, D. MATSUSHITA, K. OKUBO, K. SASAKI, Y. TSURUDA, Y. KITA, S. MORI, S. YANAGITA, Y. UENOSONO, H. KURAHARA, T. OHTSUKA ( <i>Kagoshima, Japan</i> ) .....	3091
Dynamic Changes in Absolute Lymphocyte Counts During Eribulin Therapy Are Associated With Survival Benefit. S. NAKAMOTO, M. IKEDA, S. KUBO, M. YAMAMOTO, T. YAMASHITA ( <i>Hiroshima, Japan</i> ) .....	3099
Investigation of a Novel S-1 Administration Schedule for Treating Metastatic and Recurrent Breast Cancer (KBCOG13). M. MIKI, S. TAKAO, M. KONISHI, Y. SHIGEOKA, M. MIYASHITA, H. SUWA, Y. MIYOSHI, K. HIROKAGA, T. OKUNO, K. YAMAGAMI, M. IMAMURA, K. MURASE, A. YANAI, H. TANINO ( <i>Kobe; Hyogo; Osaka, Japan</i> ) .....	3109
Prostate Cancer Diagnosis and Management During One Year of the COVID-19 Pandemic. P. PEPE, L. PEPE, M. PENNISI, F. FRAGGETTA ( <i>Catania, Italy</i> ) .....	3121
The Pre-treatment Lymphocyte-to-Monocyte Ratio Predicts Efficacy in Metastatic Colorectal Cancer Treated With TAS-102 and Bevacizumab. H. KURAMOCHI, T. YAMADA, Y. YOSHIDA, A. MATSUDA, H. KAMIYAMA, C. KOSUGI, K. ISHIBASHI, A. FUKAZAWA, K. IHARA, H. SONODA, K. YOSHIMATSU, H. YOSHIDA, S. HASEGAWA, K. SAKAMOTO, H. ISHIDA, K. KODA ( <i>Yachiyo; Tokyo; Fukuoka; Ichihara; Kawagoe; Iwata; Mibu; Kurashiki, Japan</i> ) .....	3127
Successful Stabilization of Symptomatic Bone Marrow Metastasis Two Times in a Breast Cancer Patient. H. AKAGI, A. SHIMADA, K. CHIN, H. DOMOTO ( <i>Yokohama, Japan</i> ) .....	3131
Inter-institutional Variation in Intensity-modulated Radiotherapy for Breast Cancer in Korea (KROG 19-01). K. KIM, M. CHUN, H. JIN, W. JUNG, K.H. SHIN, S.S. SHIN, Y.J. KIM, S.-H. PARK, J.H. KIM, Y.H. KIM, H.S. SHIN, H. KIM, S.S. KIM, J.H. LEE, Y.B. KIM, S.Y. LEE, J. CHOI, D.H. OH, K.M. KANG, J. KWON, M.Y. KIM, T. KOO, H.J. PARK, S.J. AHN ( <i>Seoul; Gangneung; Chuncheon; Daegu; Incheon; Seongnam; Suwon; Jeonju; Jeju; Gyeongsang; Changwon; Daejeon; Anyang; Gwangju, Republic of Korea</i> ) .....	3139
Impact of Multileaf Collimator Width on Dose Distribution in HyperArc Fractionated Stereotactic Irradiation for Multiple (5-10) Brain Metastases. S. OHIRA, Y. UEDA, N. KANAYAMA, M. ISONO, S. INUI, R. KOMIYAMA, H. WASHIO, M. MIYAZAKI, M. KOIZUMI, T. TESHIMA, K. KONISHI ( <i>Osaka; Suita, Japan</i> ) .....	3145
Diagnostic Algorithm for Conjunctival Melanocytic Lesions. M. DĘBICKA-KUMELA, B. ROMANOWSKA-DIXON, I. KARSKA-BASTA, J. KOWAL, W. POCIEJ-MARCIAK, A. MARKIEWICZ ( <i>Krakow, Poland</i> ) .....	3153

Plan Complexity and Dosimetric Accuracy of Knowledge-based Volumetric Modulated Arc Therapy Plans for Oropharyngeal Cancer. K. OKUHATA, H. MONZEN, M. TAMURA, K. MATSUMOTO, M. OTSUKA, K. KUBO, Y. UEDA, T. UEHARA, H. DOI, K. ISHIKAWA, Y. NISHIMURA ( <i>Osaka, Japan</i> ).....	2925
A Clinicopathological Study of Young-onset Hepatocellular Carcinoma. K.-Y. AU, K.K.-S. CHAN, R.C.-L. LO ( <i>Hong Kong, PR China</i> ) .....	2933
Calcitriol Combined With Platinum-based Chemotherapy Suppresses Growth and Expression of Vascular Endothelial Growth Factor of SKOV-3 Ovarian Cancer Cells. J.-H. KIM, W.H. PARK, D.H. SUH, K. KIM, J.H. NO, Y.B. KIM ( <i>Seoul; Seongnam, Republic of Korea</i> ).....	2945
<i>BRCA1-BRCT</i> Mutations Alter the Subcellular Localization of <i>BRCA1 In Vitro</i> . I. DRIKOS, E. BOUTOU, P.L. KASTRITIS, C.E. VORGIAS ( <i>Athens, Greece; Saxony Anhalt, Germany</i> ) .....	2953
Pemetrexed Disodium Heptahydrate Induces Apoptosis and Cell-cycle Arrest in Non-small-cell Lung Cancer Carrying an EGFR Exon 19 Deletion. M. MOHIUDDIN, K. KASAHARA ( <i>Ishikawa, Japan</i> ).....	2963
<i>Clinical Studies</i>	
Chemotherapy Improves Survival After Percutaneous Biliary Drainage in Patients With Pancreatic or Biliary Tract Cancer With Biliary Obstruction. J. NIEMELÄ, H. SYRJÄLÄ, P. OHTONEN, J. SAARNIO, R. KALLIO ( <i>Oulu, Finland</i> ) .....	2979
Molecular and Radiological Features of Microsatellite Stable Colorectal Cancer Cases With Dramatic Responses to Immunotherapy. B.P. KEENAN, K. VAN LOON, A.D. KHILNANI, N. FIDELMAN, S.C. BEHR, C.E. ATREYA, D.Y. OH ( <i>San Francisco, CA; Kenilworth, NJ, USA</i> ).....	2985
Delayed Initiation of Treatment Is Associated With Metastasis of Malignant Bone Tumor. Y. ARAKI, N. YAMAMOTO, K. HAYASHI, A. TAKEUCHI, S. MIWA, K. IGARASHI, T. HIGUCHI, K. ABE, Y. TANIGUCHI, H. YONEZAWA, S. MORINAGA, Y. ASANO, H. TSUCHIYA ( <i>Kanazawa, Japan</i> ).....	2993
Development of Uterine Leiomyosarcoma During Follow-up After Caesarean Section in a Woman With Uterine Leiomyoma. K. WATANABE, T. HAYASHI, M. KATSUMATA, K. SANO, K. ABIKO, I. KONISHI ( <i>Kyoto; Tokyo; Nagano, Japan</i> ) .....	3001
Comparison of Open and Thoracoscopic Esophagectomy in Patients With Locally Advanced Esophageal Squamous Cell Carcinoma After Neoadjuvant Therapy. Y. HAMAI, M. EMI, Y. IBUKI, T. KUROKAWA, T. YOSHIKAWA, R. HIROHATA, M. OHSAWA, N. KITASAKI, M. OKADA ( <i>Hiroshima, Japan</i> ) .....	3011
Primary Esophageal Small Cell Carcinoma Masquerading as Non-Hodgkin Lymphoma in a Young Patient. D. SARMA, R. KARNA, A. NASRULLAH, Q. ZHANG, A. JAVED, O. ASHRAF, H. ARSHAD ( <i>Pittsburgh, PA, USA</i> ) .....	3023
A Rare Case of Progressive Malignant Triton Tumor With Rare Somatic Mutation in <i>TSC2</i> Gene. R.S. GHAFOURI, N.M. HAKIM, I.T. KONSTANTINIDIS, L. KAFCHINSKI, A. PHILIPOVSKIY ( <i>El Paso, TX; Birmingham, AL, USA</i> ) .....	3029
A Diagnostic Score for Reliable Confirmation of Acute Renal Colic Among Patients With Acute Abdominal Pain. M. ESKELINEN, J. MEKLIN, K. SYRJÄNEN, M. ESKELINEN ( <i>Kuopio; Kaarina, Finland; Barretos, Brazil</i> ) .....	3037
A New Survival Score for Patients Scheduled for Palliative Irradiation of Locally Advanced Carcinoma of the Head-and-Neck. D. RADES, C. STAACKMANN, J. RIBBAT-IDEL, S. PERNER, C. IDEL, K.L. BRUCHHAGE, S.G. HAKIM, S.E. SCHILD ( <i>Lübeck; Borstel, Germany; Scottsdale, AZ, USA</i> ).....	3045



COMMD5 Inhibits Malignant Behavior of Renal Cancer Cells. J. IKEDA, H. MATSUDA, M. OGASAWARA, Y. ISHII, K. YAMAGUCHI, S. TAKAHASHI, N. FUKUDA, Y. MASUHIRO, M. ENDO, M. SOMA, P. HAMET, J. TREMBLAY ( <i>Tokyo; Fujisawa; Aomori, Japan; Montréal, QC, Canada</i> ) .....	2805
An Integrated Epigenome and Transcriptome Analysis to Clarify the Effect of Epigenetic Inhibitors on GIST. T. NIINUMA, H. KITAJIMA, E. YAMAMOTO, R. MARUYAMA, H. AOKI, T. HARADA, K. ISHIGURO, G. SUDO, M. TOYOTA, A. YOSHIDO, M. KAI, H. NAKASE, T. SUGAI, H. SUZUKI ( <i>Sapporo; Tokyo; Morioka, Japan</i> ) .....	2817
Exosome Transfer Between Pancreatic-cancer Cells Is Associated With Metastasis in a Nude-mouse Model. H. ICHIKAWA, A. SUETSUGU, T. SATAKE, H. AOKI, T. KUNISADA, M. SHIMIZU, R.M. HOFFMAN ( <i>Gifu, Japan; San Diego, CA, USA</i> ).....	2829
The Effect of Lidocaine and Bosutinib on 4T1 Murine Breast Cancer Cell Behaviour <i>In Vitro</i> . T.P. WALL, P.D. CROWLEY, D.J. BUGGY ( <i>Dublin, Ireland; Brussels, Belgium; Cleveland, OH, USA</i> ) .....	2835
HLA-DR and CD74 Expression and the Immune Microenvironment in Renal Cell Carcinoma. Y. MIURA, T. ANAMI, J. YATSUDA, T. MOTOSHIMA, S. OKA, K. SUYAMA, N. INOSHITA, K. KINOWAKI, S. URAKAMI, T. KAMBA, Y. KOMOHARA ( <i>Kumamoto; Tokyo, Japan</i> ) .....	2841
The SOX2 Status of Disseminated Tumor Cells in Breast Cancer Patients Treated With Neoadjuvant Chemotherapy. N. KRAWCZYK, K. JANOWSKI, M. BANYS-PALUCHOWSKI, A. STAEBLER, H. NEUBAUER, C. MEISNER, A. HARTKOPF, S. BRUCKER, D. WALLWIENER, T. FEHM ( <i>Duesseldorf; Tuebingen; Lübeck, Germany</i> ).....	2849
DNA-binding Cell-penetrating Peptide-based TRAIL Over-expression in Adipose Tissue-derived Mesenchymal Stem Cells Inhibits Glioma U251MG Growth. J. SHIN, S.K. BAIK, Y. YOON, S. HWANG, J.H. SOHN, M. JO, W.-S. KIM, K.-J. RHEE, K. WHANG, Y.W. EOM ( <i>Wonju, Republic of Korea</i> ) .....	2859
Lenvatinib Induces AKT/NF- $\kappa$ B Inactivation, Apoptosis Signal Transduction and Growth Inhibition of Non-small Cell Lung Cancer <i>In Vivo</i> . Y.-C. LIU, F.-T. HSU, J.-G. CHUNG, M.-C. WENG, C.-Y. TING, C.-J. TSAI, A. LAN, J.-Y. WU, C.C.-W. LIN, S.-S. LIN ( <i>Changhua; Taichung; Taoyuan; Kaohsiung; Taipei; Hualien, Taiwan, ROC</i> ) .....	2867
Jaspine B Hydrochloride-induced Apoptosis in HeLa Cells Is Associated With Disrupted Sphingolipid Metabolism and Ceramide Overload. A. BOGDANOVA, M. KELLO, A. MACEJOVA, N. NOSALOVA, P. PETIK, P. TAKAC, M. MARTINKOVA, E. MEZEIOVA, L. MIROSSAY, P. GAL, M.B. PILATOVA ( <i>Košice; Bratislava, Slovak Republic; Prague, Czech Republic</i> ) .....	2875
The Combination of Trametinib, a MEK Inhibitor, and Temsirolimus, an mTOR Inhibitor, Radiosensitizes Lung Cancer Cells. S.Y. KIM, E.-H. JEONG, T.-G. LEE, H.-R. KIM, C.H. KIM ( <i>Seoul, Republic of Korea</i> ).....	2885
Proteomic Analysis of Malignant Ascites From Patients With Pancreatic Ductal Adenocarcinoma. F. KITAMURA, T. MIYATA, N. UEMURA, T. UCHIHARA, K. IMAI, H. HAYASHI, Y.-I. YAMASHITA, K. MATSUSAKI, T. ISHIMOTO, H. BABA ( <i>Kumamoto; Tokyo, Japan</i> ).....	2895
Ubiquitin-proteasome System Is a Promising Target for Killing Cisplatin-resistant Bladder Cancer Cells. K. OKUBO, M. ISONO, T. ASANO, N. REßING, W.A. SCHULZ, F.K. HANSEN, A. SATO ( <i>Tokorozawa, Japan; Bonn; Düsseldorf, Germany</i> ) .....	2901
DS-1 Inhibits Migration and Invasion of Non-small-cell Lung Cancer Cells Through Suppression of Epithelial to Mesenchymal Transition and Integrin $\beta$ 1/FAK Signaling. H.E. PUTRI, B. SRITULARAK, P. CHANVORACHOTE ( <i>Bangkok, Thailand</i> ) .....	2913