ADVANCES IN RADIATION ONCOLOGY
An official journal of the American Society for Radiation Oncology

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DESCRIPTION

The mission of Advances in Radiation Oncology is to provide original clinical research aimed at improving the lives of people living with cancer and other diseases treated with radiation therapy. The purpose of Advances is to provide information for clinicians who use radiation therapy by publishing:

Clinical trial reports and reanalyses. Basic science original reports. Manuscripts examining health services research, comparative and cost effectiveness research, and systematic reviews. Case reports documenting unusual problems and solutions. High quality multi and single institutional series, as well as other novel retrospective hypothesis generating series. Timely critical reviews on important topics in radiation oncology, such as side effects. Articles reporting the natural history of disease and patterns of failure, particularly as they relate to treatment volume delineation. Articles on safety and quality in radiation therapy. Essays on clinical experience. Articles on practice transformation in radiation oncology, in particular: Aspects of health policy that may impact the future practice of radiation oncology. How information technology, such as data analytics and systems innovations, will change radiation oncology practice. Articles on imaging as they relate to radiation therapy treatment.

Advances is the sister publication of the International Journal of Radiation Oncology ● Biology ● Physics and Practical Radiation Oncology. As such, Advances aims to complement the research in those two journals.

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Advances in Radiation Oncology is a wide-ranging open access journal publishing both full-length articles and brief reports. As the sister publication to the International Journal of Radiation Oncology, Biology, Physics and Practical Radiation Oncology, Advances aims to complement the research in those two journals.

Advances is a gold open access journal, so authors, readers, and patients have free access to all articles. All work published by this journal is thoroughly peer reviewed by the editorial board and expert reviewers in radiation oncology. Authors retain copyright of their articles, and reuse is governed under a Creative Commons license so that readers can freely and easily share information.

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Full length articles are typically 3000 to 6000 words in length, including references. If they are accepted after a thorough peer review process, the Article Publication Charge (APC) is $1500 for members of the American Society for Radiation Oncology (ASTRO) and $2000 for non-members. Click here for more information on joining ASTRO.

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Original laboratory and clinical investigations related to radiation oncology, radiation biology, and medical physics. Submissions are thoroughly reviewed for scientific originality, significance, relevance, and priority, and the topics must be of broad interest to the journal’s readers. Advances gives priority to high-priority manuscripts that report cutting-edge science and that promise to have a strong impact on clinical practice. Required elements: title page, summary, abstract, manuscript, references, figure captions if figures are present, uniform disclosure forms (1 for each author). Article limits: abstract (about 300 words), manuscript (about 3500-6000 words; word count includes abstract, text, and figure captions), references, tables and figures (up to 6 total, combined).

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Critical reviews are documents from experts in the field that often synthesize the existing literature on a topic to update the readership on the latest developments in a specific area. Required elements: title page, abstract, manuscript, references, figure captions if figures are present, uniform disclosure forms (1 for each author). Article limits: abstract (300 words), manuscript (up to 6000 words; word count includes abstract, text, references, and figure captions), tables and figures (up to 6 total, combined).

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Advances in Radiation Oncology welcomes case reports with high-resolution images, preferably in color, including X rays or scans of characteristic or classic conditions relevant to radiation oncology, for consideration in the Teaching Case section. All identifying information of patients, such as names, dates of birth, dates of service, or patient identification codes must be removed. If the case report or the image includes individually identifiable health information, authors must comply with the applicable privacy laws and obtain a HIPAA-compliant patient authorization form. Required elements:
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Brief Opinion pieces are short articles that are commentary, analysis, or opinion pieces about a published article or another topic of special interest. Required elements: title page, manuscript, references, figure captions if figures are present, uniform disclosure forms (1 for each author). Article limits: manuscript (about 2000 words; word count includes main text and figure captions), tables and figures (up to six total, combined).

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**BEFORE YOU BEGIN**

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**Guidelines for reporting preclinical research**

The National Institutes of Health (NIH) held a workshop in June 2014 with the Nature Publishing Group and Science on the issue of reproducibility and rigor of research findings, with journal editors representing over 30 basic/preclinical science journals in which NIH-funded investigators have most often published. The workshop focused on identifying the common opportunities in the scientific publishing arena to enhance rigor and further support research that is reproducible, robust, and transparent. The journal editors came to consensus on a set of principles to facilitate these goals. *Advances* editorial board have chosen to uphold the high standards for preclinical research reporting established by the workshop, and we attach the summarized recommendations here. Please pay particular attention to these before submission.

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