ASTRO’s Advances in Radiation Oncology in 2022

Running Title: Advances 2022

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This Fall marks ASTRO’s *Advances in Radiation Oncology’s* seventh year of publishing. The last year has been our most successful to date with our Cite Score rising to 4.3 (see Figure #1), placing *Advances* in the top third of comparable journals. A conventional impact factor is expected to granted in 2023.

ASTRO created *Advances* in 2015 in response to the rising demand for outlets to publish quality radiation oncology related research and limitations in the number of manuscripts that could be published in conventional paper journals. As a Gold Open Access journal, permanently freely available, *Advances* is available on a global basis to all health care professionals and scientists, as well as our patient population and their caregivers. Figure #2 demonstrates *Advances* complementary relationship with the *Red Journal* and *Practical Radiation Oncology*. Figure #3 highlights our current most downloaded articles.

We are particularly interested this year in publishing more scholarly critical reviews. Our current call for papers includes those relating to the use of radiopharmaceuticals and cybersecurity issues in radiation oncology. In recent years, disruption in care delivery from issues such as COVID-19, cyberattacks and the ongoing humanitarian crises in Ukraine (See Figure #3) and Syria, as well elsewhere, have been the focus of many of our most read articles. Two are included in this collection. A report from Istanbul by Uğurluer *et al* describes the psychosocial issues facing Ukrainian families whose children were receiving cancer care in Turkey at the onset of the War in Ukraine.¹ Flavin *et al* reports on the national impact on radiotherapy delivery after a cyberattack on the public health services of the Republic of Ireland.² Additional review papers included in this issue are a review of management of implantable devices by Chan *et al*³ and on the Abscopal effect by Hatten, *et al*.⁴
We welcome inquiries regarding proposed review papers and encourage potential authors to contact the Editor in Chief directly at miller.robert@mayo.edu to discuss their proposal.

Our most downloaded paper at this time is a paper on breast cancer reirradiation from Fattahi et al.\textsuperscript{5}

Social media focused articles and analyses of professional issues related to resident training and the job market are highly read. Included in this issue is a report characterizing Twitter influencers in radiation oncology by Valle et al that is one of our most highly read papers.\textsuperscript{6}

We would like to thank the Advances editorial board, our reviewers, and the ASTRO community for all of their time and diligence that have been dedicated to our last seven years of success. We look forward to continued growth.

Advances is committed to diversity and inclusion on the editorial team.
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Figure #2 – Scope of the ASTRO Journals

Figure #3 - Top Downloads in Advances in August 2022

Figure #4 - OKHMATDYT’s RTTs heroes: Bohdana Bachynska (left) and Yana Kuts (right). Bohdana stayed in OKHMATDYT 24/7 to scan wounded patients and Yana serves in Ukrainian army as an emergency medical technician.7
Figure #1
Figure #2

Scope of ASTRO’s Journals

- Outcomes research
- Prospective clinical trials
- Large database interrogation
- Critical reviews on timely topics
- Innovative clinical physics
- Imaging and treatment delivery innovations
- Lab studies on tumor physiology, molecular biology and normal tissue radiation response
- Health policy contributions
- Global health

- Contouring
- Patient safety
- Quality improvement
- Guidelines, consensus statements, position statements
- Target delineation
- Immobilization
- Maintenance of certification
- Interesting images
- Narrative oncology

- Imaging

- Ethics
- Radiation oncology, education, professionalism

- Data analytic/medical informatics
- Comparative effectiveness research
- Biology
- Basic science

- Advances in Radiation Oncology

OUT OF SCOPE
- Dosimetry and treatment planning of small patient numbers

- Clinical trial reports and re-analyses
- Novel retrospective studies
- Natural history of disease
- Institutional series
- Disparities research
- Systems innovations
- Short reports
Figure #3

Reirradiation for Locoregional Recurrent Breast Cancer
Sayeh Fattahi, Safia K. Ahmed and 8 more
Open Access | February 2021

Characterizing Twitter Influencers in Radiation Oncology
Luca F. Valle, Fang-I Chu and 7 more
Open Access | December 2022

Interventions for Radiation-Induced Fibrosis in Patients With Breast Cancer: Systematic Review and Meta-analyses
Regiane Mazzarioli Pereira Nogueira, Flávia Maria Ribeiro Vital, Daniel Galera Bernabé, Marcos Brasilino de Carvalho
Open Access | June 2022

ASTRO's Advances in Radiation Oncology's Top Twenty Downloads for 2021
Robert C. Miller, C. Jillian Tsai
Open Access | June 2022

A Patient-Level Data Meta-analysis of the Abscopal Effect
Steven J. Flatten, Eric J. Lehrer and 8 more
Open Access | June 2022
Figure #4
Advances in Radiation Oncology (2022), https://doi.org/10.1016/j.adro.2022.101027

References


