

2015 Annual Report of the Editor, *RadioGraphics*

RadioGraphics continues to identify, solicit, and publish educational materials to meet the needs of RSNA members and Journal subscribers, with a focus on self-assessment continuing medical education (SA-CME) content to meet ABR Maintenance of Certification (MOC) Part 2 requirements for Lifelong Learning and Self-Assessment. Its leadership role in producing high quality educational materials is a result of our continued focus on the Journal's mission and guidance from the RSNA Board of Directors. It represents the collective efforts of our expert authors, editorial board members, manuscript reviewers, annual meeting exhibit review panelists, and our skilled and dedicated RSNA publications and education staffs.

Journal Metrics and Statistics

In 2015, *RadioGraphics* will have published 137 educational manuscripts (including solicited exhibits, plenary sessions, and invited articles) and 7 online Powerpoint™ presentations for members-in-training, for a total of 2104 printed pages. The Journal's five-year impact factor of 3.807 has increased from 3.712 in 2013. *RadioGraphics*' 2014 Article Influence Score, a measure of the average influence of a journal's articles over a 5-year period following publication, is 1.232, as compared to 1.09 for the *American Journal of Roentgenology* (AJR).

Total Journal submissions for the period from January 1, 2015, to October 15, 2015 (excluding editorials, special reports, Practice Corner, and letters to the editor) totaled 219 manuscripts. Of these 219 submissions, 74% were from North American and 26% were from international (i.e., non-North American) authors. Our overall acceptance rate for the 10-month period for papers that have received decisions as of this report was 62.

The submission rate for 190 exhibits solicited from the 2014 RSNA annual meeting was 82%. Of our accepted papers in 2015, 89% were solicited, maintaining our focus on the solicitation of material from the RSNA annual meeting.

Currently through 2015 there are 13 SA-CME exercises available in each of the seven annual issues of *RadioGraphics* (all exercises are online or via mobile apps), each valid for a 3-year period from the date of publication. Over 99,200 category 1 SA-CME credits were awarded to readers for *RadioGraphics* CME activities in the 2014 calendar year, a record annual number for the Journal. As of the end of the third quarter of 2015, the number of CME credit hours awarded from *RadioGraphics* content was 64,210.

Journal Functions

RadioGraphics continues to support the International Society of Radiology's GoRAD (Global Outreach Radiology) initiative by identifying a single paper from each issue of the online Journal for open access on the GoRAD site (<http://www.isradiology.org/gorad>). The Journal continues

under a contractual arrangement with Thieme Publishers to supply selected *RadioGraphics* papers for German translation.

Annual Meeting Review and Solicitation Processes

As in past years, the *RadioGraphics* editorial board provided the Education Exhibits (EE) Committee a list of topics that they would like to see as exhibits at the 2015 annual meeting. As they review education exhibit abstracts, members of the EE Committee considered topics that the Journal would like to see as submitted manuscripts. We will publish a similar list of topics in my January 2016 editorial and in the *RadioGraphics* January 2016 call for abstracts, based upon our editorial board's suggestions and readers' requests collated from responses submitted with completed *RadioGraphics* CME exercises during 2015.

We continue to create lists of material previously published, accepted but not yet published, and in revision for our review panel chairs and panelists to avoid redundant submission and publication of material with overlapping content. This same list is provided to the faculty from the American Institute of Radiologic Pathology (AIRP), who continue to provide radiologic-pathologic correlative content for each issue of *RadioGraphics*.

A decision to reduce the number of solicitations from the 2015 RSNA annual meeting as compared to previous years was made due to the significant backlog of content in production as of late 2015 and the desire to increase acceptance rates of solicited papers, thereby minimizing the unsuccessful efforts of solicited authors.

In an effort to expedite the publication of important content (our time from initial submission to publication currently exceeds 12 months for the majority of our content), we are developing a "Fast-Track" mechanism for select papers solicited from the 2015 meeting. We have reserved space in the July, September, and November 2016 issues of the Journal for one paper in each of our 21 subspecialty areas that our editorial board will designate as of the highest priority for publication. These select papers will be given early 2016 submission deadlines and an expedited processing, peer review, and production process in an effort to publish those accepted in a more time-sensitive manner.

Peer Review

In 2015 we continued with our use of Manuscript Central/ScholarOne for manuscript submission and peer review. Beginning in 2015 we increased the requested number of reviewers for each manuscript from two to three, in order to increase the likelihood of receiving high quality, detailed and timely reviews and to provide better and more detailed feedback to our authors.

In 2015 *RadioGraphics* continued with a peer review mentoring program for senior residents and junior faculty members. Four junior faculty have already been enrolled in this 18 month

program, which utilizes senior reviewers and the *RadioGraphics* editor to mentor these junior colleagues by providing constructive feedback on manuscript review.

Each *RadioGraphics* reviewer completes a reviewer profile within the site that uses an adapted version of RadLex to identify areas of interest/expertise for each reviewer and hopefully allows better matching of RadLex-tagged submitted content to reviewers. The structured-review format, which debuted with the *RadioGraphics* ScholarOne site, improves training in manuscript peer review for fellows and junior faculty and provides objective data on manuscript deficiencies to guide editor communication back to authors. This more structured review provides the editor and associate editors more objective data on the quality of a manuscript review, which is necessary for providing constructive feedback to our reviewers and allows the editor to grade the reviews and offer CME credit for high quality reviews.

In 2015 we awarded our second annual Editor's Recognition Awards to 42 reviewers who were acknowledged for having provided high quality and timely reviews during the 2014 calendar year.

We are continuing our efforts to expand international members in our peer reviewer pool. Of our 903 manuscript reviewers, 270 completed at least one review to date in 2015; of these, 250 are North American and 20 are from non-North American countries.

RadioGraphics Author Survey

In July 2015 the RSNA completed analysis of a *RadioGraphics* author survey, the first since 2004. The response to our survey was robust and helped confirm the strength of the journal in publishing high quality content on behalf of authors. The survey results helped identify areas that warrant attention in 2016 and beyond:

1. Although a majority (86%) of responding authors who attended the annual RSNA refresher course for *RadioGraphics*-solicited authors found the course to be somewhat or very useful, only 18% of survey respondents attended the course. For this reason our staff will record a presentation with material presented at the annual Thursday afternoon course of the annual meeting for solicited authors to access via the journal website.
2. Although our electronic exhibit review system provides the panelists the opportunity to provide comments to authors on methods to improve their material when preparing their submission, this capability is not being fully used. We will strongly encourage our panelists and panel chairs to include specific comments for authors to help guide in the preparation of their material for submission.

3. A number of authors indicated that uploading their material into ScholarOne was problematic, particularly the upload of the large number and size of figures and videos. We will seek to improve this experience, working with ScholarOne representatives.
4. Authors indicated overwhelmingly that online statistics and services that could be made available to them would be “very” or “somewhat” useful. These include number of article downloads, article citations, list of articles the author has published with RSNA, bibliometrics including impact factor and article influence score, and Eigenfactor, article citations, article views, and number of SA-CME credits awarded to readers from their papers. We are exploring methods we can use to increase the use of standard bibliometrics and altmetrics by our authors on a dedicated author’s resource page.

Journal Content, Design, Delivery

RadioGraphics continues to publish an article in each issue from the American Institute for Radiologic Pathology (AIRP) archives series. The rotating subspecialty topics for each year are Chest/Cardiac, Musculoskeletal, Gastrointestinal, Genitourinary, Neuroradiology, and Pediatrics. Education exhibits continue to constitute the majority of our content. Selected commentaries from experts in the radiology and allied clinical disciplines accompanying articles of particular interest or controversy continue. Our Associate Editors, Dr. John Eng (Informatics) and Dr. Jonathan Kruskal (Practice Policy and Quality Initiatives), continue to solicit material for the Journal in their respective areas.

Our October 2015 monograph entitled “Safety, Quality, and Noninterpretive Skills,” the 17th in the monograph series initiated in 1999, was edited by Dr. Jonathan Kruskal, *RadioGraphics* Associate Editor for Practice Policy and Quality Initiatives, and Dr. Justin Kung, both of the Beth Israel Deaconess Medical Center in Boston, MA. Initial response to its publication has been exceptionally positive. The 2016 monograph will be dedicated to Musculoskeletal Imaging and will be guest edited by our two musculoskeletal radiology editorial board members, Drs. Kirkland Davis and Laura Bancroft.

The section of the Journal focusing on resident and fellow education has been reorganized and rebranded in 2015, as it became clear that the content highlighted in this online section had broader appeal than just for residents and fellows. This section, now termed “Training and Fundamentals,” continues to feature a collection of peer-reviewed, interactive Powerpoint™ presentations solicited from education exhibits displayed at the annual meeting and *RadioGraphics* content published since 2005 that is updated with each new issue, organized by subspecialty and indexed according to the American Board of Radiology Study Guide for the Core Exam in Diagnostic Radiology. This effort continues to be led by the Journal’s Resident and Fellows Education editorial board members, Drs. Jennifer Harvey and Sanjeev Bhalla, and Sara Zimmerman, RSNA Publications Assistant Director for Online Publishing.

In recognition of the RSNA centennial celebration, in 2015 *RadioGraphics* continued to publish papers highlighting the history of radiology and the role of the RSNA and its journals in the discipline's evolution. Centennial papers published in *RadioGraphics* in 2015 include:

- “The History of US: From Bats and Boats to the Bedside and Beyond”--May-June 2015
- “Historical Evolution of Imaging Techniques for the Evaluation of Pulmonary Embolism”--July-Aug 2015
- “From Shades of Gray to Microbiologic Imaging: A Historical Review of Brain Abscess Imaging”--Sept-Oct 2015

The online Journal continues to evolve with new forms of content and functions for readers. The RSNA Image Viewer allows the reader to compare up to four images from the same article, zoom in and out of images, focus on specific areas with the magnifier, and download images and captions to a PowerPoint™ deck to use for teaching or self-study. RSNA members can save images or papers as bookmarks in myRSNA to access them anytime.

In May 2015 *RadioGraphics* initiated an editor's blog entitled “*RadioGraphics Views*” (see Appendix D), which is a biweekly post with audio or video material from the editor or an invited author that highlights a featured paper in the current issue of the Journal or an evolving Journal feature such as the RSNA Image Viewer.

Acknowledgements

I would like to acknowledge the support of those who have worked tirelessly on my behalf and on behalf of the Journal in 2015. My thanks to the Board of Directors of the RSNA, in particular Dr. Mary Mahoney, RSNA Board of Directors Liaison for Publications and Communications, the *RadioGraphics* Editorial Board, our annual RSNA meeting review panels, and our reviewers, who have worked tirelessly to help maintain the excellence of the Journal and to advise on improving our processes and on the development and implementation of new initiatives.

Thanks as well to our authors who develop and submit their educational materials to us for our consideration and to the RSNA Publications staff.

Jeffrey Klein, MD
RadioGraphics Editor