

2012 RadioGraphics Annual Report

Jeffrey S. Klein, M.D., Editor

November 2012

RadioGraphics is now in its 32nd year of publication, focusing on educational materials that include continuing medical education (CME) and Maintenance of Certification (MOC) opportunities. Its continued leadership in producing high quality educational materials is a result of support for our mission from the RSNA Board of Directors, and the collective efforts of our talented and dedicated staff, authors, editorial board members, manuscript reviewers, and annual meeting panelists, without whom our success would not be possible.

Journal Metrics and Statistics

In 2011, *RadioGraphics* published over 130 educational manuscripts (including exhibits, plenary sessions, and solicited articles) in 2248 pages. Many of these articles were presented for CME credit in both the print and online editions. For calendar year 2012, we will publish 134 papers (122 major articles, 12 AIRP Best Cases) in 2482 pages. Our 2012 monograph issue (the 14th in a series of annual seventh issues published each October), entitled “Gynecological Imaging Across the Lifespan,” was just published in October, edited by Drs. Susan Ascher and Mindy Horrow.

The 2012 Impact Factor for *RadioGraphics* is 2.854 (up slightly from 2.760 in 2011), which places *RadioGraphics* 28th of 116 journals in the subject category “Radiology, Nuclear Medicine, and Medical Imaging”. Our five-year impact factor of 3.893 places us 14th among imaging journals. The entire list of journal citation reports can be found at radiographics.rsna.org/site/misc/more_statistics.xhtml and is reproduced in Appendix A.

Journal submissions totaled 312 manuscripts for 2011, with 55% of these solicited. Approximately 1/3 of our submissions are from international (i.e., non-North American) authors. Of 246 peer reviewed papers, our acceptance rate for 2011 was 54%. 94% of our published material in 2011 came from solicited manuscripts, maintaining our focus on the solicitation of material from the RSNA annual meeting education exhibits. There was a 4:1 ratio between the acceptance rate of solicited vs unsolicited manuscripts, and a greater than 2:1 ratio between acceptance rates of North American vs International authors. Submission numbers and acceptance rates by specialty are detailed on slides in the appendix (See Appendix B).

CME/SAMS

There are 13 CME exercises available in each issue of *RadioGraphics* (6 in print and 13 online). A total of 88,000 category 1 CME credits were awarded for *RadioGraphics* CME activities in the 2011 calendar year. As of August 31, 2012, there were 52,456 CME credit hours awarded (44,247 online, 8209 by postcard), which prorated for the entire 2012 calendar year is between 93000-95000 CME credits. Currently, there are over 50 Self-Assessment Modules (SAMs) available, and as of August 31, 2012, 6967 SAM credits have awarded by the RSNA in 2012 (5400 for calendar year 2011), with many of these SAMs being based at least in part on *RadioGraphics* material. High marks were given to *RadioGraphics* in the last two (2009 and 2012) RSNA Omnibus Needs Assessment Surveys of its members. An update of the detailed survey of our readership and institutional subscribers that last took place in 2007 is intended for 2013, and should help guide the future direction of the journal's educational mission, particularly to inform our delivery methods and to help direct our online component.

Editorial Board

A new structure for the *RadioGraphics* editorial board has been approved by the RSNA Board of Directors, with the establishment of assistant editorial board members for each of the subspecialty sections to provide support to the editorial board. A recommended 5-year term limit for editorial board members/panel chairs has also been accepted and implemented. We have added a position for Resident and Fellow Education, which has been filled with Dr. Jennifer Harvey.

Beginning in June 2011, an annual conference call with the entire editorial board was established to allow for communication between the editor and journal staff with the editorial board members. This should provide an additional opportunity beyond the annual meeting for proposing changes in the board, our annual meeting solicitation mechanisms, and peer review processes.

Journal functions

The 2012 RSNA Editorial Fellows each visited the Burlington *RadioGraphics* office in late August/early September. Our editorial trainee fellow, Dr. Mai-Lan Ho, who is a 4th year radiology resident at Beth Israel Deaconess Medical Center, and the Eyerl Fellow, Dr. Birgit Ertl-Wagner, each

spent one day with us reviewing our solicitation and peer review processes, and discussed future directions for the journal. Each made excellent suggestions on how to improve certain aspects of the journal.

RadioGraphics continues to support the International Society of Radiology's GoRAD (Global Outreach Radiology) initiative by identifying a paper from each issue of the journal for free access through GoRAD .

The journal continues under a contractual arrangement with German publisher Thieme to supply selected papers for German translation.

Annual meeting and solicitation processes

In early 2012, the RSNA Education Exhibits (EE) Committee allowed the *RadioGraphics* editorial board to provide the EE committee with a list of preferred topics that they would like to see as exhibits at RSNA 2012. This was meant to aid the EE committee members as they reviewed education exhibit abstracts to consider topics that the journal would like to see as submitted manuscripts.

Beginning at RSNA 2012, we are moving to an electronic exhibit review process that has been developed by RSNA IT as an extension of a pilot project of Dr. Adam Flanders and the *RadioGraphics* Informatics panel at RSNA 2011. This should facilitate the exhibit review process, allow the panel chairs to monitor the exhibit review progress in real-time, and help create lists of recommended solicitations to our RG staff for entry into our RGXpress system. The electronic review process will also help identify material that is suited for resident and fellow education and specific online formats, and should provide direct feedback to exhibitors/authors as they structure their solicited materials for submission to the journal.

In order to accurately assign content for future issues of the journal, we have decided to create hard deadlines for the submission of 2012 meeting solicitations in calendar year 2013. This is a change from previous policy, which has allowed an open-ended submission of solicited material from the meeting, but has led to some difficulties with overlap of topics and efficient use of RG staff members' time. Similarly, a deadline of 6 months for resubmission of rejected/resubmitted papers will be instituted.

Of our 376 RSNA meeting panelists, 343 are from North America (1 from Mexico & 7 from Canada). The 33 international panelists are from Argentina, Brazil, Germany, Ireland, Israel, Italy, Japan, the Republic of Korea, the Netherlands, Spain, Switzerland, and the United Kingdom.

Peer review

In 2011 we continued with the use of RGXpress, *RadioGraphics*' online submission and peer review system, with further refinements in the administrative and editor's functions. Our staff has recently taken over the responsibility to identify peer reviewers for submitted manuscripts.

An online tutorial for new reviewers is under development and will hopefully appear in the new online version of the journal in July or September 2013. This will be a Powerpoint-based audio tutorial that uses a sample manuscript and the new structured review form to guide novice reviewers in the assessment of educational material submitted for consideration to the journal.

The mechanism of peer review for manuscripts submitted to *RadioGraphics* is undergoing an overhaul. The reviewer pool will be revised, and key areas of interest/expertise for each reviewer will be identified to allow better matching of manuscripts with potential reviewers. A pilot project to use RadLex terms to assist in matching submitted material to reviewers is under way by the journal. The journal has experienced several instances of plagiarism and duplicate publication in 2012. Our staff has dealt with these issues expeditiously, and we are incorporating a commercial plagiarism software program into our peer review process to better identify these issues.

We are continuing our attempts to include international members in our reviewer group. Of our 710 manuscript reviewers, 45 are international reviewers from Argentina, Australia, Austria, Belgium, Brazil, Finland, France, Germany, Hungary, Ireland, Israel, Italy, Japan, Korea (Republic of), the Netherlands, Singapore, Spain, Switzerland, and the United Kingdom.

Content

Following a nearly 1 1/2-year hiatus since the 2010 monograph featuring radiologic-pathologic correlation papers from the AFIP, the AIRP (American Institute of Radiologic Pathology) archives series has been reinitiated beginning with the July 2012 issue of *RadioGraphics*. Dr. Mark Murphey, Physician in Chief of the AIRP, has committed to regular archive contributions to the journal going forward, with each AIRP subspecialty to produce a paper in each issue of the journal.

Our 2012 monograph issue, (the 14th in a series of our annual seventh issue),entitled "Gynecologic Imaging Across the Lifespan," returns to the topic of the first of our monographs. The monograph was expertly edited by Drs. Susan Ascher and Mindy Horrow, with a forward from Dr. Hedvig Hricak and cover artwork by Dr. James Cooper. The topic for the 2013 monograph is on oncologic imaging and intervention, and is to be guest edited by Dr. Doug Coldwell, our editorial board member for vascular and interventional radiology.

A dedicated section of the journal focusing on resident and fellow topics that would support current radiology residency subspecialty curricula is being considered. This will begin with cataloging of existing published content, with direct links to resident and fellow-related content, ideally tied to specific subspecialty curricula. In addition, we are now identifying exhibits at the annual meeting that are resident/fellow appropriate in their content, and will solicit material for online publication that members-in-training can access directly from the journal home page.

Further development of novel interactive modes of radiology education based on *RadioGraphics* material is under active consideration, building on a pilot project utilizing interactive DICOM datasets as a component of two papers that were published in the July 2010 edition of *RadioGraphics*. A contract with TeraRecon has been recently renewed, with access to a server and to a cloud-centered and browser-based 3D workstation that will provide a simple upload of DICOM datasets for authors and a interactive viewing mechanism for readers of the online journal. Two articles on chest and breast tomosynthesis are planned for 2013 publication that will take advantage of this technology. Other formats that are being developed include Powerpoint case-based interactive material and video tutorials on basic diagnostic studies and image-guided procedures and interventions. The migration to a new online journal platform by the company Atypon should provide an opportunity for developing new forms of online content and allow RSNA and RadioGraphics greater control of this content.

I gratefully acknowledge the support of those that have worked tirelessly on my behalf during this first year of my editorship. My thanks to the Board of Directors of the RSNA, in particular Dr. William Thorwarth, for his support and counsel this past year. Roberta Arnold, RSNA Assistant Executive Director for Publication and Communications, and the *RadioGraphics* Publications Staff under the direction of Managing Editor Sue Poole Harmon have performed superbly in their roles and have been a joy to work with. The *RadioGraphics* Editorial Board, our annual RSNA meeting review panels, and our reviewers have been central to maintaining the excellence of the journal, and my gratitude goes to them as well. Thanks also to those authors that I have had the opportunity to meet and speak with, as their needs and concerns are important to me and to the journal. I'd also like to thank Drs. Herb Kressel and Debbie Levine, my colleagues at *Radiology*, for their support. I look forward to another productive year with *RadioGraphics* and the RSNA in 2013. Lastly, thanks to Dr. William Olmsted, Editor-Emeritus of *RadioGraphics*, for his patience, support, and friendship this past year.

Appendix A. 2011 Journal Citation Reports® (Thomson Reuters, 2012)

	Datum Rank
Total cites 7085	19
Impact Factor 2.854	28
5-Year Impact Factor 3.893	14
Immediacy Index 0.409	41
Citable items (2010 articles) 132	41
Cited Half-life 7.7	20
Eigenfactor Score .01468	20
Article influence score 1.201	13

Rank—Based on the 116 journals in the subject category "Radiology, Nuclear Medicine and Medical Imaging."

The Impact Factor—calculated by dividing the number of citations in 2011 by the total number of articles published in the two previous years.

5-Year Impact Factor—the average number of times articles from the journal published in the past five years have been cited in 2011. It is calculated by dividing the number of citations in 2011 by the total number of articles in the five previous years.

Immediacy Index—calculated by dividing the citations to articles published in a given year by the number of articles published in that year.

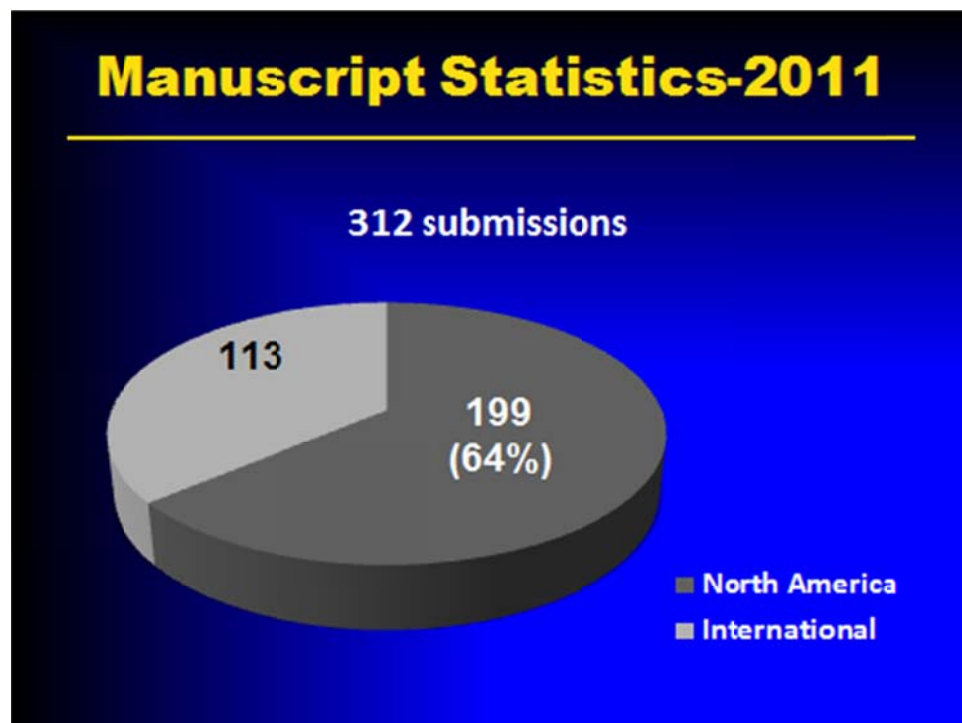
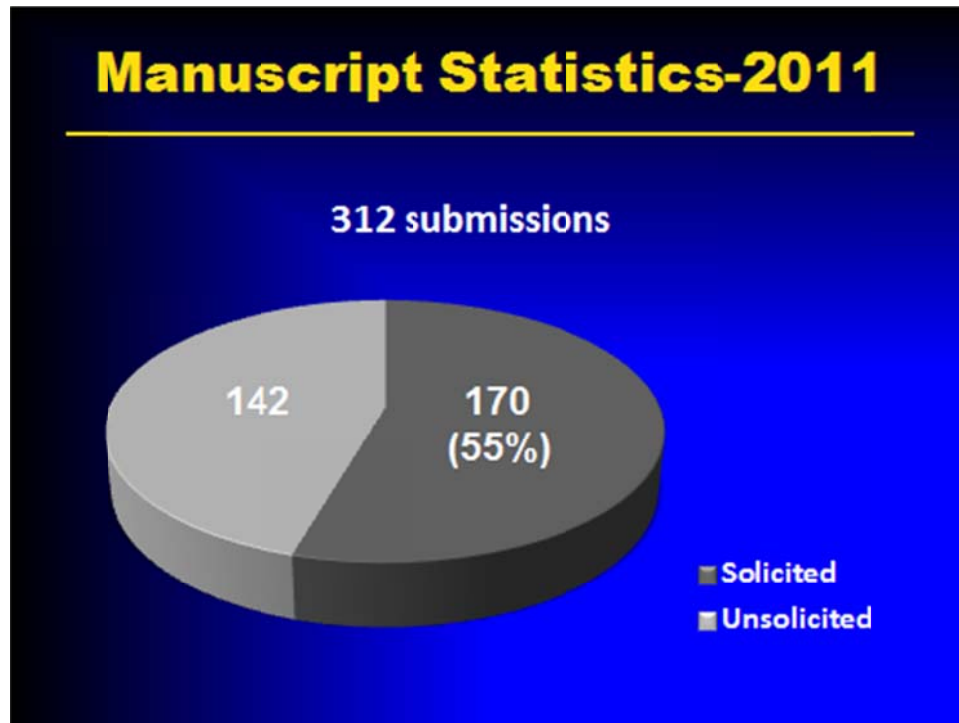
Cited Half-life—median age in years of articles cited in 2011. Half of the citations to the journal are to items published within the citation half-life.

Eigenfactor Score—based on the number of times articles from the journal published in the past five years have been cited in 2011, but it also considers which journals have contributed these citations so that highly cited journals will influence the network more than lesser cited journals. References from one article in a journal to another article from the same journal are removed, so that Eigenfactor Scores are not influenced by journal self-citation.

Article Influence Score—determines the average influence of a journal's articles over the first five years after publication. It is calculated by dividing a journal's Eigenfactor Score by the number of articles in the journal, normalized as a fraction of all articles in all publications.

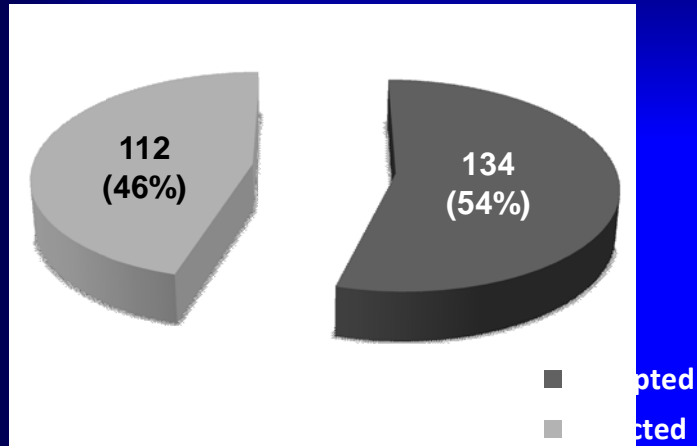
Journal Citation Reports® is a registered trademark of Thomson Reuters. All rights reserved.

Appendix B. Journal statistics



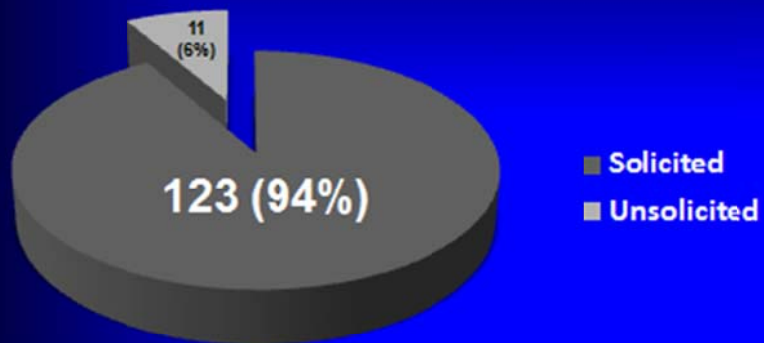
Manuscript Statistics-2011

Acceptance rate-peer reviewed MS



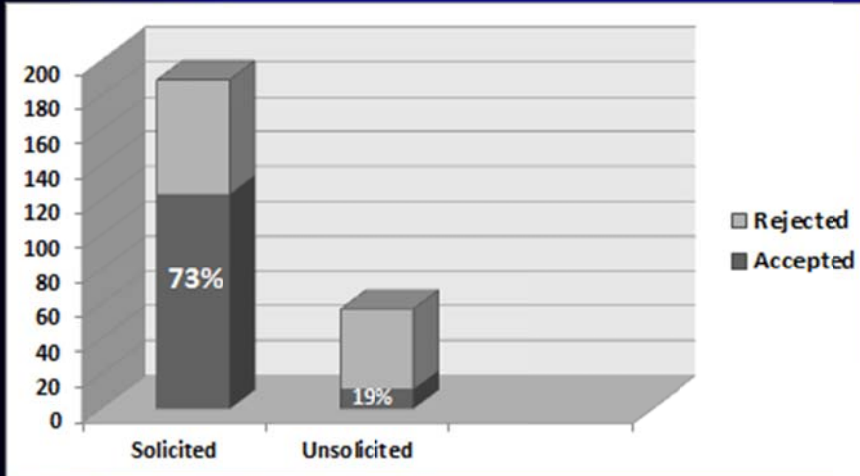
Manuscript Statistics 2011

134 accepted manuscripts 2011



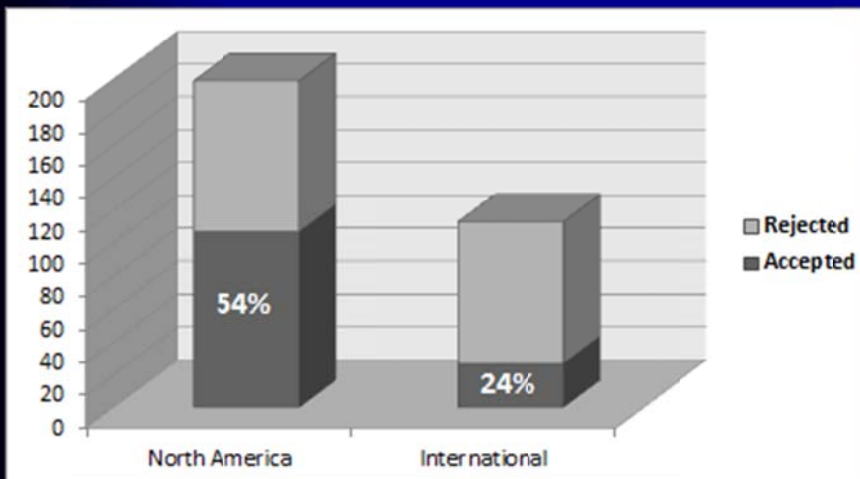
Manuscript Statistics-2011

Acceptance rate-Solicited vs unsolicited (n = 246)



Manuscript Statistics-2011

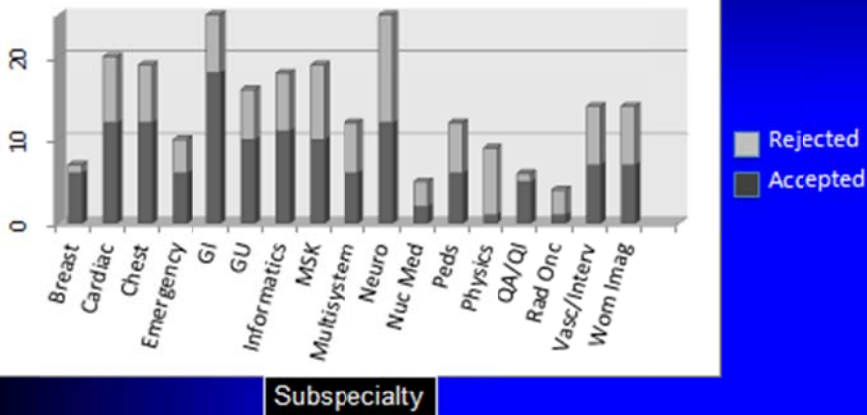
Acceptance rate-No. America vs International



Manuscript Statistics 2011

of manuscripts

Manuscripts reviewed and disposition by subspecialty (n = 246)

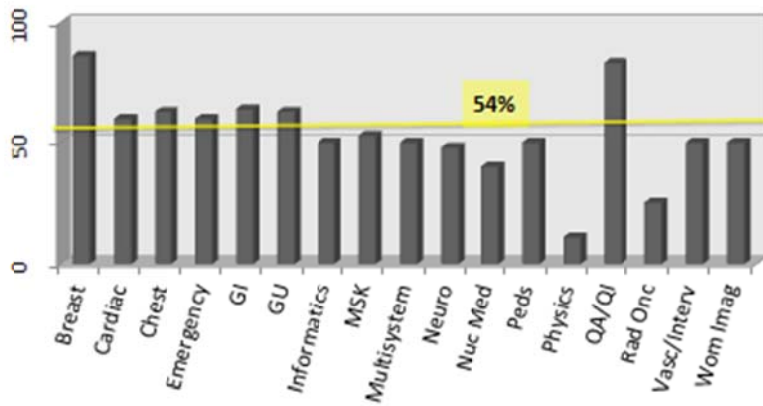


Subspecialty

Manuscript Statistics 2011

% accepted

Comparison of acceptance rates by subspecialty (n = 246)



Subspecialty