Radiology Today

Deborah Levine, MD
Senior Deputy Editor, Radiology
Radiology seeks to publish the best of the submissions it receives regarding imaging, imaging related, radiation oncology, and medical physics research that is conducted worldwide and to offer information that is of practical value to its readers.
Radiology: Overview

- Projected ~3000 submitted manuscripts in 2012
- Approximately 1000 active reviewers
- 1 Senior Deputy Editor, 5 Deputy Editors
- 1 Editor-in-Chief
- ~360 Original scientific manuscripts published per year
- **Circulation**: ~45,000 worldwide
- **Issues**: 12 / year
- **Decision Time**: Average of 33 days
<table>
<thead>
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<th>Submissions</th>
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<tr>
<td>North American submissions</td>
<td>35%</td>
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<tr>
<td>International submissions</td>
<td>65%</td>
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<table>
<thead>
<tr>
<th>Acceptance</th>
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<tbody>
<tr>
<td>Overall acceptance rate</td>
<td>17%</td>
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<tr>
<td>Accept rate for major manuscripts</td>
<td>12%</td>
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What we are looking for...

- Novel
- Important
- Interesting and/or Informative
Novel: Does it...

- Add new information
- Provide new concepts
- Describe new technology
- Define new diagnostic or therapeutic approaches
- Resolve existing controversies
Important: Does it....

- Change practice: “News you can use”
- Help us understand biology or technology?
- Generate a new hypothesis and stimulate further research?
Interesting/Informative:

Does it…

- Add to considerably to our available information
- Have conclusions that provide clear direction
- Provide useful information
Radiology: Overview

Manuscript Submission through ScholarOne

MS set up
Blinding
3-5 Reviewers invited

At least 2 Reviews received

Deputy Editor makes decision

Double blind process:
Neither reviewers nor authors are identified

If decision to reject, sent to Editor, who makes final decision
If possible accept, present at Editorial meeting

Statistical review

Manuscript edited

Letter to authors

Congrats!!!!
Editorial Decisions

- **Acceptance pending revision:**
  “We’ll take it!”
  Some work is needed.

- **Under Consideration:**
  “We’d like to take it but we need additional information, experiments, and or analysis before making a decision.” ~ 90% accept rate
Editorial Decisions...

- Rejection/ Resubmission allowed:
  “There is some merit here but it needs a major overhaul.” Essentially a do-over.

- Rejection:
  “Sorry, no further consideration.”
Radiology Ablation is Feasible in Elderly Women with Small Nonresected Breast Cancer

Radiofrequency ablation is well tolerated and efficient in elderly patients with nonresected breast cancer. In 21 women aged 70-85 years with tumors measuring 3 cm or smaller and situated at least 1 cm from the skin, nipple, and chest wall, Paluszkiewicz et al found that efficacy was demonstrated at 1 year, with one patient presenting with a local relapse. At 5-year follow-up, three additional patients had cancer recurrence outside the ablation zone, including two with lobular carcinoma. The researchers concluded that radiofrequency ablation with neoadjuvant endocrine therapy can be offered to elderly patients with small breast carcinomas who decline or are not eligible for surgery but should not be offered to those with invasive lobular carcinoma.

Cortical Depression Fractures Are Associated with Poorer Outcomes in Patients with ACL Tear

Cortical depression fractures in patients with anterior cruciate ligament (ACL) tear on MR images are associated with decreased clinical outcomes 1 year after ACL reconstruction surgery. In a retrospective study of 114 patients with ACL tears who underwent MR imaging and ACL reconstruction surgery and who filled out International Knee Documentation Committee (IKDC) knee evaluation scores before and 1 year after surgery, Kijowski et al found that patients with...
Hear What We Think

Listen to the editor, deputy editors, and authors discuss the importance and context of selected articles from current and recent issues of Radiology

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NOVEMBER 2011

Moderators: Herbert Y. Kressel, MD, Editor of Radiology, Albert de Roos, MD, Deputy Editor of Radiology, Deborah Levine, MD, Senior Deputy Editor of Radiology

Participants:
- Charles S. White, MD, University of Maryland School of Medicine, Baltimore, MD
- James P. Earls, MD, Ferring Radiological Consultants, Goffton, VA
- Adim Dedic, MD, Erasmus University Medical Centre, Rotterdam, the Netherlands
- Robert D. Rosenberg, MD, University of New Mexico-Health Sciences Center, Albuquerque, NM

Articles Discussed:
- The pros and cons of searching for extracardiac findings at cardiac CT: use of a restricted field of view is acceptable. White CS. Radiology 2011;261(2):338-341 [Full Text] [Abstract]
- The pros and cons of extracardiac findings at cardiac CT: studies should be reconstructed in the maximum field of view and adequately reviewed to detect pathologic findings. Earls JP. Radiology 2011;261(2):342-346 [Full Text] [Abstract]
Detection of cortical depression fractures in patients with ACL tear may help identify patients at increased risk of having a suboptimal clinical outcome 1 year after ACL reconstruction surgery.

Malalignment and Cartilage Damage are Associated with Meniscal Extrusion in the Knee

Meniscal tears are not the only factors associated with meniscal extrusion in the knee; other factors include knee malalignment and cartilage damage. In a study of 1527 patients (2131 knees) as part of the Multicenter Osteoarthritis Study, Cremo and colleagues found that, medially, meniscal tears, varus malalignment, and cartilage damage were associated with meniscal extrusion, while laterally, associated factors were meniscal tears, valgus malalignment, and cartilage damage. Meniscal extrusion is probably an effect of the complex interactions among joint tissues and mechanical stresses involved in the osteoarthritis process, the researchers concluded.

Direct Feedback Approach Improves Accuracy of Inexperienced Radiologists in Diagnosing Appendicitis

Training with direct feedback can improve diagnostic accuracy of inexperienced readers evaluating abdominal MR images for acute appendicitis; addition of diffusion-weighted (DW) images improves reader sensitivity. Leewenburgh et al studied nine radiologists and eight residents without experience in evaluating MR images for acute abdominal conditions who were presented with a training set of images from 100 MR examinations of patients suspected of having appendicitis and received direct feedback after each evaluation. They recorded first diagnoses after viewing conventional MR images and second diagnoses after viewing DW images. Average reader sensitivity in evaluating MR images improved (82% vs 92%) after training; addition of DW images significantly increased sensitivity (80% vs 87%) in all readings combined. Inexperienced readers can be trained to reach a diagnostic accuracy level comparable to that of readers of CT abdominal images for appendicitis.

Radiation Exposure Data Can Be Extracted from Nuclear Medicine Reports with a Free Informatics Toolkit

With an open-source informatics toolkit, large-scale repositories of radiation exposure data can be extracted from existing institutional nuclear medicine report archives. Ikuta et al developed a toolkit designed to automatically extract data on radiopharmaceuticals and administered activities from medical records.
Overview—Radiology uses a double-blinded peer-review process. The journal is published under the supervision of the Board of Directors of the Radiological Society of North America, Inc, which appoints the editor, who selects all material for publication and also approves advertisements. No responsibility is accepted by the board of directors or the editor for the opinions expressed by the contributors. The instructions for Radiology submissions are in accord with the “Uniform Requirements for Manuscripts Submitted to Biomedical Journals” of the International Committee of Medical Journal Editors.
On-line Podcasts
Videos
Commentaries
CME (12-15)
SAMs (8-10)

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- Pulmonary nodules
- Stroke
- Screening for breast cancer

Selection of 20-35 articles published in Radiology in most recent 5-7 years, chosen by guest editors, who are experts in the field

Augment these with podcasts, conversations, videos, and CME and SAMS
Publishing in Radiology:

What You Always Wanted to Know and Never Asked