JOURNAL OF MEDICAL IMAGING AND RADIATION SCIENCES
Official Journal of the Canadian Association of Medical Radiation Technology

AUTHOR INFORMATION PACK

TABLE OF CONTENTS

- Description p.1
- Editorial Board p.1
- Guide for Authors p.3

DESCRIPTION

The Journal of Medical Imaging and Radiation Sciences (JMIRS) is a cutting edge, peer-reviewed journal that accepts manuscripts in all fields of diagnostic imaging and radiation therapies. We provide timely, evidence-based information that helps medical radiation technologists advance quality and innovation in patient care.

Mission: The Journal of Medical Imaging and Radiation Sciences is committed to the dissemination of knowledge through the publication of scholarly research, primarily in the fields of radiation therapy, radiological technology, magnetic resonance imaging and nuclear medicine.

Vision: To be the premier journal in the field of medical radiation sciences.

The publication is developed under the direction of the JMIRS Editorial Board.

Benefits to authors
We also provide many author benefits, such as free PDFs, a liberal copyright policy, special discounts on Elsevier publications and much more. Please click here for more information on our author services.

Please see our Guide for Authors for information on article submission. If you require any further information or help, please visit our Support Center.

EDITORIAL BOARD

Editor-in-Chief
Lisa Di Prospero, Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada

Deputy Editor
Geoff Currie, Charles Sturt University, Wagga Wagga, South Australia, Australia

Managing Editor
Carly McCuaig, Canadian Association of Medical Radiation Technologists, Ottawa, Ontario, Canada

Associate Editors
Robert Adams, University of North Carolina at Chapel Hill, NC, North Carolina, USA
Amanda Bolderston, British Columbia Cancer Agency, Surrey, British Columbia, Canada
Gregory Colin Brown, University of Queensland, St Lucia, Australia
Holly Chun, University Health Network, Toronto, Ontario, Canada
GUIDE FOR AUTHORS

Your Paper Your Way
We now differentiate between the requirements for new and revised submissions. You may choose to submit your manuscript as a single Word or PDF file to be used in the refereeing process. Only when your paper is at the revision stage, will you be requested to put your paper in to a 'correct format' for acceptance and provide the items required for the publication of your article.
To find out more, please visit the Preparation section below.

INTRODUCTION
The editorial board of the Journal of Medical Imaging and Radiation Sciences (JMIRS) welcomes the submission of manuscripts devoted to all fields of diagnostic imaging and radiation therapies, including nuclear medicine, positron emission tomography, radiation therapy, magnetic resonance, radiological technology / radiography, mammography, interventional radiography, dosimetry, computed tomography, ultrasound / echocardiography, molecular imaging, hybrid technologies, pharmacology, education (patient and MRS student), research, advocacy, patient care and medical ethics. The JMIRS disseminates recent research, new technology and techniques, professional practices and other relevant knowledge that helps medical radiation technologists advance quality and innovation in patient care, service / product delivery, and outcomes.

While the JMIRS is the official journal of the CAMRT, it is widely read internationally in the USA, Europe, Australia, New Zealand, Asia, Africa and South America.

Questions? Contact us at editor@camrt.ca

Article Types and Guidelines
Original full length research papers (Qualitative, Quantitative, Randomized trial or Observational research)Systematic Review articlesContinuing Medical Education (CME) articlesEducational or Clinical PerspectivesTeaching CasesCommentariesLetters to the Editor

Original Full Length Research Papers: A substantial piece of academic writing that represents the original and independent research of the authors using planned retrospective or prospective methods to acquire and analyze data in a logical and coherent manner to address a pre-determined research question or hypothesis. Please note that you will be asked to identify whether your paper is qualitative or quantitative (or a combination) upon submission so we can ensure the appropriate peer review experts are assigned. On submission, you will be asked to upload:

Cover Letter/Disclosure - Available at http://www.icmje.org/conflicts-of-interest/, this form must be completed by each author and submitted with the manuscript.Title Page - The title page should include a concise but informative title; a complete byline (see Authorship), including each author's full name and highest earned academic degree(s); each author's complete affiliation(s), including department(s), institution(s), city, state, and country; the name and complete mailing address, phone number, and e-mail address of the corresponding author (to whom all correspondence and reprint requests will be directed).Structured abstract - The abstract must be written in a structured format with the following headings: Introduction/Background, Methods, Results, Discussion, Conclusion.Manuscript (blinded) - Standard scientific article format (introduction/background, method, results, discussion, and conclusion). Remove all author-identifying information. Institution and author names within the text should be substituted with generic phrases, such as "the institute" or "the author(s)." Where appropriate, authors may also substitute generic characters, such as "XXXX." Body of text should be between 2,500-3,000 words (word limit not strictly enforced, if papers are too long this will be addressed in peer review).Checklist - If you are submitting a paper reporting randomized trials, you will be asked to upload the completed a 25-item CONSORT checklist along with your manuscript submission (http://www.consort-statement.org/). If you are submitting a paper reporting observational research, you will be asked to upload the completed STROBE checklist for cohort, case-control, and/or cross-sectional studies (https://strobe-statement.org/index.php?id=available-checklists). If you are submitting a qualitative paper, you will be asked to upload the completed COREQ checklist: http://cdn.elsevier.com/promis_misc/ISSM_COREQ_Checklist.pdfReferences - These must be listed in numerical order as they appear in the text. They only need to be complete and correct - once manuscripts are accepted, references will for formatted according to house style (see Manuscript Preparation below for more detail).Figures
and Tables - Not to exceed 10 total (includes both tables and figures). **Ethics** - All research manuscripts MUST provide evidence of ethics approval for human or animal studies. If it was determined that no approval was required, please state this.

**Systematic Review articles:** A systematic review is more than a summary of the literature. A systematic review uses structured and systematic methods to source, assess, include, exclude and critically analyze the depth and breadth of current literature on a given topic. In doing so, it provides a rigorous approach to generating new knowledge. A systematic review should provide appraisal and synthesis against primary published literature that has been identified through a rigorous, non-biased strategy that is clearly documented as part of the manuscript. Variations on the traditional systematic review could include cost effectiveness analyses and meta analyses. Per PRISMA guidelines, systematic reviews and meta-analyses must be identified as such in the article title. On submission you will be asked to upload:

**Cover Letter/Disclosure** - Available at [http://www.icmje.org/conflicts-of-interest/](http://www.icmje.org/conflicts-of-interest/), this form must be completed by each author and submitted with the manuscript. **Title Page** - The title page should include a concise but informative title; a complete byline (see Authorship), including each author's full name and highest earned academic degree(s); each author's complete affiliation(s), including department(s), institution(s), city, state, and country; the name and complete mailing address, phone number, and e-mail address of the corresponding author (to whom all correspondence and reprint requests will be directed). **Structured abstract** - The abstract must be written in a structured format with the following headings: Introduction/Background, Methods, Results, Discussion, Conclusion. **Manuscript (blinded)** - Standard scientific article format (introduction, method, results, discussion, and conclusion). Remove all author-identifying information. Institution and author names within the text should be substituted with generic phrases, such as "the institute" or "the author(s)." Where appropriate, authors may also substitute generic characters, such as "XXXX." Body of text should be between 2,500-3,000 words (word limit not strictly enforced, if papers are too long this will be addressed in peer review). **Checklist** - PRISMA checklist ([http://www.prisma-statement.org/](http://www.prisma-statement.org/)) **References** - These must be listed in numerical order as they appear in the text. They only need to be complete and correct - once manuscripts are accepted, references will be formatted according to house style (see Manuscript Preparation below for more detail). **Figures and Tables** - Not to exceed 6 total (includes both tables and figures). Tables summarizing literature used in the systematic review should be included as appendix material.

**Continuing Medical Education (CME) articles:** A CME article typically summarizes recent research on a topic without making an original contribution to the body of knowledge. This type of article is generally broad in scope and describes all aspects of a health care topic relevant to medical radiation technologists. The CME article is designed to contribute to the professional development of medical radiation technologists. These articles allow CAMRT members and journal subscribers to earn continuing education credits and keep up with advances in the profession. They are typically written in the form a review article (without the prescriptive systematic approach, although rigor and structure is crucial for an unbiased article) and maintains an informative or education perspective. These could relate to the full gamut of medical radiation science clinical practice and all fields identified in the introduction served by JMIRS. On submission, you will be asked to upload:

**Cover Letter/Disclosure** - Available at [http://www.icmje.org/conflicts-of-interest/](http://www.icmje.org/conflicts-of-interest/), this form must be completed by each author and submitted with the manuscript. **Title Page** - The title page should include a concise but informative title; a complete byline (see Authorship), including each author's full name and highest earned academic degree(s); each author's complete affiliation(s), including department(s), institution(s), city, state, and country; the name and complete mailing address, phone number, and e-mail address of the corresponding author (to whom all correspondence and reprint requests will be directed). **Unstructured abstract** - with 3-4 learning objectives using Bloom's Taxonomy ([https://tips.uark.edu/using-blooms-taxonomy/](https://tips.uark.edu/using-blooms-taxonomy/)). **Manuscript** - Body of text can be between 3,000-5,000 words (word limit not strictly enforced, if papers are too long this will be addressed in peer review). **Quiz Questions and Answers** - 10 multiple choice questions should accompany the article. Each question requires: A stem - a question, statement or incomplete sentence that immediately precedes a list of options or alternatives; It must address a specific issue requiring an answer or the completion of a statement; One correct answer; Three plausible misleads or incorrect answers. Answers should be highlighted or included in a legend. **References** - These must be listed in numerical order as they appear in the text. They only need to be complete and correct - once manuscripts are accepted, references will be formatted according to house style (see Manuscript Preparation below for more detail).
**Educational or Clinical Perspectives**: Educational perspectives highlight innovative and useful approaches to medical radiation sciences education and evaluation of educational methods, either at the undergraduate or graduate level. Clinical Perspectives highlight key aspects of clinical practice and approaches to improve the same. This could include, without being limited to, process/protocol improvement, quality improvement, innovative initiative, practice change, emerging advancement and/or process change. On submission, you will be asked to upload:

- **Cover Letter/Disclosure**: Available at [http://www.icmje.org/conflicts-of-interest/](http://www.icmje.org/conflicts-of-interest/), this form must be completed by each author and submitted with the manuscript.
- **Title Page**: The title page should include a concise but informative title; a complete byline (see Authorship), including each author's full name and highest earned academic degree(s); each author's complete affiliation(s), including department(s), institution(s), city, state, and country; the name and complete mailing address, phone number, and e-mail address of the corresponding author (to whom all correspondence and reprint requests will be directed).
- **Structured abstract**: e.g. Introduction; Case and outcomes, Discussion, Conclusion.
- **Manuscript (blinded)**: Standard scientific article format (Intro/Background; Case and outcomes, Discussion, Conclusions).
- **References**: These must be listed in numerical order as they appear in the text. They only need to be complete and correct - once manuscripts are accepted, references will be formatted according to house style. Checklist - CARE checklist ([http://www.care-statement.org/resources/checklist](http://www.care-statement.org/resources/checklist)).
- **Figures and Tables**: Not to exceed 6 total (includes both tables and figures).

All of the above styles undergo rigorous peer review process as outlined below. The following submission styles have variable peer review process as described for each.

**Commentaries (Uninvited or Invited)**: Commentary papers are short, scholarly writings (with no structured abstract) that comment on an issue and/or perspective. Note that these will not be reviewed through the traditional peer review process, but rather reviewed by the Editor-in-Chief and Deputy Editor for accuracy, appropriateness and suitability with our audience. This type of article...
includes the traditional editorial style commentary, issues / controversies style debate and “hot topics”. Commentaries (invited or uninvited) typically focus on a key issue and perspective. Issues / controversies are generally invited but could be unsolicited submissions where a topic is scrutinized and debated from more than one perspective. Hot topics represent any form of submission, including commentaries, that are considered currently of importance or interest to readers. On submission, you will be asked to upload:

**Cover Letter/Disclosure** - Available at [http://www.icmje.org/conflicts-of-interest/](http://www.icmje.org/conflicts-of-interest/), this form must be completed by each author and submitted with the manuscript.

**Title Page** - The title page should include a concise but informative title; a complete byline (see Authorship), including each author's full name and highest earned academic degree(s); each author's complete affiliation(s), including department(s), institution(s), city, state, and country; the name and complete mailing address, phone number, and e-mail address of the corresponding author (to whom all correspondence and reprint requests will be directed). **Unstructured abstract** or brief summary to provide context. **Manuscript** Body of text should be between 1,500-2,000 words for a commentary (word limit not strictly enforced, if papers are too long this will be addressed in peer review) and 2500-3000 for issue/controversy style article. **References** - These must be listed in numerical order as they appear in the text. They only need to be complete and correct - once manuscripts are accepted, references will be formatted according to house style (see Manuscript Preparation below for more detail). **Figures and Tables** - Not to exceed 4 total (includes both tables and figures). Tables summarizing literature used in the systematic review should be included as appendix material.

**Letters to the Editor**: This is correspondence typically pertaining to a recent or concurrently published article within *JMIRS*. Usually comments and critiques will be passed on to the authors of the original article; however, this will not determine the outcome of review and publication. General correspondence to the Editor regarding any aspect of medical radiation sciences or the *JMIRS* is also encouraged. Submit letters in a Word document directly to the Managing Editor at: editor@camrt.ca. 500 words or less are preferred, and letters addressing a specific article must reach us within 2 months of publication of the original item. Please see [http://www.jmirs.org/pb/assets/raw/Health%20Advance/journals/jmir/Submit_Letter_to_Editor.pdf](http://www.jmirs.org/pb/assets/raw/Health%20Advance/journals/jmir/Submit_Letter_to_Editor.pdf) for more information.

**Peer review**
This journal operates a double blind review process. See here for our peer review policy: [http://www.jmirs.org/content/reviewpolicy](http://www.jmirs.org/content/reviewpolicy).

**Editorial Decisions**
Once the peer review process is complete, each manuscript will receive one of the following decisions:

**Decline**: The manuscript was not selected for peer review. **Reject**: The manuscript was not selected for publication. Many factors contribute to acceptance, including but not limited to the importance of the research to the field of oncology, the originality of the work, the quality of the study, or the priority of the work to the Red Journal and its readership. **Unacceptable/Major Revision**: A number of issues were raised in peer review that need to be addressed for the manuscript to be reconsidered. If the author wishes to address the issues, the manuscript must be revised and resubmitted within two months of the decision. **Acceptable/Minor Revision**: The editors and reviewers found the manuscript potentially acceptable for publication provided minor adjustments are made. Such manuscripts must be revised and resubmitted within one month of the decision. **Accept**: The manuscript has been selected for publication. Additional information will be provided regarding the production process.

**BEFORE YOU BEGIN**

**Patient Consent**
Studies on patients or volunteers require ethics committee approval and informed consent which should be documented in your paper. Patients have a right to privacy. Therefore identifying information, including patients images, names, initials, or hospital numbers, should not be included in videos, recordings, written descriptions, photographs, and pedigrees unless the information is essential for scientific purposes and you have obtained written informed consent for publication in print and electronic form from the patient (or parent, guardian or next of kin where applicable). If such consent is made subject to any conditions, Elsevier must be made aware of all such conditions. Written consents must be provided to Elsevier on request. Even where consent has been given, identifying details should be omitted if they are not essential. If identifying characteristics are altered to protect
anonymity, such as in genetic pedigrees, authors should provide assurance that alterations do not distort scientific meaning and editors should so note. If such consent has not been obtained, personal details of patients included in any part of the paper and in any supplementary materials (including all illustrations and videos) must be removed before submission.

**Conflict of Interest**

**Conflict of Interest for Authors:** The potential for conflict of interest exists when an author, the author's institution, reviewer or editor has financial relationships (such as employment, consultancy, stock ownership, honoraria and paid expert testimony) that may inappropriately influence his or her actions. Other forms of conflict of interest include personal, academic and intellectual issues. Any potential conflict of interest should be disclosed in the cover letter. Sources of outside support for research, including funding, equipment, and drugs, must be named in the cover letter. If an author has no conflicts of interest to declare, this must be explicitly stated. Authors should contact the Editorial Office with questions or concerns, but should err on the side of inclusion when in doubt. **Manuscripts that fail to include the complete statements of all authors upon submission will be returned to the corresponding author and will delay the processing and evaluation of the manuscript.**

**Conflict of Interest for the Journal:** The JMIRS adheres to the policy on conflict of interest from the International Committee of Medical Journal Editors. If, in the editor's judgment, the information disclosed by the author represents a potential conflict of interest, it may be made available to reviewers and may be published at the editor's discretion; authors will be informed of the decision before publication. The editor will discuss with the authors on an individual basis the method by which any conflicts of interest will be communicated to readers. Editors and reviewers for the JMIRS are responsible for disclosing to the editor-in-chief any personal or financial relationship that may bias their work during the peer review process and recuse themselves when such conflicts are of sufficient. See JMIRS board conflict policy here.

**Open Access**

This journal offers you the option of making your article freely available to all via the ScienceDirect platform. To prevent any conflict of interest, you can only make this choice after receiving notification that your article has been accepted for publication. The fee of **$1,700** excludes taxes and other potential author fees such as colour charges. In some cases, institutions and funding bodies have entered into agreement with Elsevier to meet these fees on behalf of their authors. Details of these agreements are available at [http://www.elsevier.com/fundingbodies](http://www.elsevier.com/fundingbodies). Authors of accepted articles, who wish to take advantage of this option, should complete and submit the order form (available at [http://www.elsevier.com/locate/openaccessform.pdf](http://www.elsevier.com/locate/openaccessform.pdf)). Whatever access option you choose, you retain many rights as an author, including the right to post a revised personal version of your article on your own website. More information can be found here: [http://www.elsevier.com/authorsrights](http://www.elsevier.com/authorsrights). Authors can specify that they would like to select this option after receiving notification that their article has been accepted for publication, but not before. This eliminates a potential conflict of interest by ensuring that the journal does not have a financial incentive to accept an article for publication.

**Green open access**

Authors can share their research in a variety of different ways and Elsevier has a number of green open access options available. We recommend authors see our green open access page for further information. Authors can also self-archive their manuscripts immediately and enable public access from their institution's repository after an embargo period. This is the version that has been accepted for publication and which typically includes author-incorporated changes suggested during submission, peer review and in editor-author communications. Embargo period: For subscription articles, an appropriate amount of time is needed for journals to deliver value to subscribing customers before an article becomes freely available to the public. This is the embargo period and it begins from the date the article is formally published online in its final and fully citable form. Find out more.

**Copyright**

Upon acceptance of an article, authors will be asked to complete a ‘Journal Publishing Agreement’ (see more information on this). An e-mail will be sent to the corresponding author confirming receipt of the manuscript together with a ‘Journal Publishing Agreement’ form or a link to the online version of this agreement.
Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permission of the Publisher is required for resale or distribution outside the institution and for all other derivative works, including compilations and translations. If excerpts from other copyrighted works are included, the author(s) must obtain written permission from the copyright owners and credit the source(s) in the article. Elsevier has preprinted forms for use by authors in these cases.

For open access articles: Upon acceptance of an article, authors will be asked to complete an ‘Exclusive License Agreement’ (more information). Permitted third party reuse of open access articles is determined by the author's choice of user license.

**Author rights**

As an author you (or your employer or institution) have certain rights to reuse your work. More information.

**Elsevier supports responsible sharing**

Find out how you can share your research published in Elsevier journals.

**Funding body agreements and policies**

Elsevier has established a number of agreements with funding bodies which allow authors to comply with their funder's open access policies. Some funding bodies will reimburse the author for the Open Access Publication Fee. Details of existing agreements are available online.

**PREPARATION**

**Manuscript Preparation**

**Title page:** The title page should include a concise but informative title, which will make the electronic retrieval of the article sensitive and specific; keywords; each author's full name and highest earned academic degree(s); each author's complete affiliation(s), including department(s), institution(s), city, state, and country; and the name and complete mailing address, phone number, fax number and e-mail address of the corresponding author (to whom all correspondence and reprint requests will be directed).

**Cover Letter:** This should include the following information:

Confirmation of the fact that the manuscript is not under consideration for publication elsewhere. We encourage disclosure of correspondence from other journals and reviewers, if previously submitted. Confirmation that each author fulfills the requirements of Authorship. Any potential conflict of interest – if there is no conflict, please state this. Confirmation of review committee approval for any experimental studies on human participants and/or confirmation of clinical trial registration.

**Keywords:** Provide a maximum of 6 keywords (that are not included in the title) on your title page. Please avoid, where possible, general and plural terms and multiple concepts (avoid, for example, 'and', 'of'). Be sparing of abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.

**Body of Text:**

- **Abstract:** The abstract should reflect the content of the article and include the purpose of the study, the experimental design, the most important results and an interpretation of the data, including the conclusion and any implications derived from the results.
- **Introduction:** State the purpose of the article and summarize the rationale for the study or observation. Give only strictly pertinent references and do not include data or conclusions from the work being reported.
- **Materials / Methods:** Case studies should contain a concise description of methodology, data and correlative studies. Manuscripts containing the results of experimental studies on human participants must disclose in the first paragraph of the Materials and Methods section whether informed consent was obtained from patients in the study after the nature of the procedure had been fully explained. A statement must be added indicating that an institutional review committee approved the study (with the date of approval). Describe clearly your selection of the observational or experimental subjects (including controls). The guiding principle should be clarity about how and why a study was done in a particular way. For example, authors should explain why only subjects of certain ages were included or why women were excluded. Identify the methods, apparatus and procedures in sufficient detail to allow other workers to reproduce the results. Give references
to established methods, including statistical methods; provide references and brief descriptions for methods that have been published but are not well known; describe new or substantially modified methods, give reasons for using them and evaluate their limitations. Identify precisely all drugs and chemicals used, including generic name(s), dosage(s), and route(s) of administration. Methods should not be included in the Results section or figure legends.

Results: Present your results in logical sequence in the text, tables and illustrations. Do not repeat in the text all the data in the tables or illustrations; emphasize or summarize only important observations. Discussion/Conclusion: Emphasize the new and important aspects of the study and the conclusions that follow from them. Include the implications of the findings and their limitations, including implications for future research. Relate the observations to other relevant studies. Link the conclusions with the goals of the study, but avoid unqualified statements and conclusions not completely supported by the data. In particular, avoid making statements unless the manuscript contains data to support the claim. Recommendations, when appropriate, may be included. Figures, Legends and Tables: should be self-explanatory and should supplement, not duplicate the text. A maximum of 6 illustrations is recommended. Each illustration must be numbered and cited in consecutive order in the text. Place explanatory matter in footnotes, not in the heading. Expand in the footnote all non-standard abbreviations used in each table. For footnotes, identify statistical measures of variations, such as standard deviation and standard error of the mean. A separate list of figure captions must be included in the main body of your paper, following the references. All patient information and institutional identifying data must be removed from illustrations (see Patient Consent section). It is the author’s responsibility to obtain written permission for any borrowed, modified or adapted tables or figures from the copyright owner. References: Increased discoverability of research and high quality peer review are ensured by online links to the sources cited. In order to allow us to create links to abstracting and indexing services, such as Scopus, CrossRef and PubMed, please ensure that data provided in the references are correct. Please note that incorrect surnames, journal/book titles, year of publication, volume number/book chapter and the pagination must be present. Use of DOI is highly encouraged. A DOI can be used to cite and link to electronic articles where an article is in-press and full citation details are not yet known, but the article is available online. A DOI is guaranteed never to change, so you can use it as a permanent link to any electronic article. An example of a citation using DOI for an article not yet in an issue is: VanDecar J.C., Russo R.M., James D.E., Ambeh W.B., Franke M. (2003). Aseismic continuation of the Lesser Antilles slab beneath northeastern Venezuela. Journal of Geophysical Research, https://doi.org/10.1029/2001JB000884. Please note the format of such citations should be in the same style as all other references in the paper.

Reference style

There are no strict requirements on reference formatting at submission. References can be in any style or format as long as the style is consistent. Where applicable, author(s) name(s), journal title/book title, chapter title/article title, year of publication, volume number/book chapter and the pagination must be present. Use of DOI is highly encouraged. The reference style used by the journal will be applied to the accepted article by Elsevier at the proof stage. Note that missing data will be highlighted at proof stage for the author to correct. If you do wish to format the references yourself they should be arranged according to the following examples: Gray, P. Why is narcissism increasing among young Americans? Play deprivation may underlie the increase in narcissism and decline in empathy. Available: https://www.psychologytoday.com/blog/freedom-learn/201401/why-is-narcissism-increasing-among-young-americans. Oudeman, J., Nederveen, A.J., Strijkers, G.J. et al, Techniques and applications of skeletal muscle diffusion tensor imaging: a review. J Magn Reson Imaging. 2016;43:773-788. Ringsven MK, Bond D. Gerontology and Leadership Skills for Nurses. 2nd ed. Albany, NY: Delmar Publishers; 1996.

Reference management software

Most Elsevier journals have their reference template available in many of the most popular reference management software products. These include all products that support Citation Style Language styles, such as Mendeley and Zotero, as well as EndNote. Using the word processor plug-ins from these products, authors only need to select the appropriate journal template when preparing their article, after which citations and bibliographies will be automatically formatted in the journal's style. If no template is yet available for this journal, please follow the format of the sample references and citations as shown in this Guide.
Users of Mendeley Desktop can easily install the reference style for this journal by clicking the following link: http://open.mendeley.com/use-citation-style/journal-of-medical-imaging-and-radiation-sciences. When preparing your manuscript, you will then be able to select this style using the Mendeley plug-ins for Microsoft Word or LibreOffice.

Data references

This journal encourages you to cite underlying or relevant datasets in your manuscript by citing them in your text and including a data reference in your Reference List. Data references should include the following elements: author name(s), dataset title, data repository, version (where available), year, and global persistent identifier. Add [dataset] immediately before the reference so we can properly identify it as a data reference. The [dataset] identifier will not appear in your published article.

Biographical notes/Acknowledgements

Biographical notes about the author(s) should be written in the third person. All contributors who do not meet the criteria for authorship as defined in the Authorship section below should be listed in an acknowledgements section. Examples of those who might be acknowledged include a person who provided purely technical help, writing assistance or a department chair who provided only general support. Authors should disclose whether they had any writing assistance and identify the entity that paid for this assistance (see Conflict of Interest section). Because readers may infer endorsement of the data and conclusions, all persons acknowledged must give written permission for their contribution to be noted in print. It is the corresponding author’s responsibility to obtain written permission.

Language and Style

The JMIRS is an international journal and it is the aim of the editors to produce papers in clear and concise language. Brief sentences make for easy reading. The text in your manuscript should be easy to read and flow smoothly. A manuscript that is poorly structured, hard to reading and filled with errors is harder to review than one that is well written and where the ideas are presented clearly. Before submitting it for review, please be sure to check your manuscript carefully for structural, spelling and grammatical errors. You may wish to have it reviewed by a third party who has strong English writing and editing skills. Only standard abbreviations and acronyms should be used, and each one should be defined at its first use in the text. Excessive use of abbreviations should be avoided. Be sure that your manuscripts are free of spelling errors. Authors who require information about language editing and copyediting services pre- and post-submission should visit http://www.elsevier.com/languagepolishing for more information.

Statistics

The description of statistical procedures should be included in the section of Methods and Materials. Statistical methods should be clearly identified and described in sufficient detail for a knowledgeable reader to reproduce the analysis if they had access to the raw data. The choice of method should be motivated. When relevant, the statistical software used and its version number should be stated. The term 'significant' should be reserved for findings that are statistically significant at the 5% level. It should be stated whether P-values are from one- or two sided tests. The JMIRS encourages the reporting of 95% confidence intervals rather than simple P-values whenever relevant. A special concern is the statistical power of analyses showing that a parameter is not significantly associated with the outcome, despite previous reports of a significant association. Here, a confidence interval should be estimated for the effect of this parameter as an indication of the statistical strength of the reported non-significance. Multivariate analyses should be reported with a clear indication of the criteria for selection of parameters to be tested in the model, and how these parameters were represented (‘scored’) in the model. This applies both for parameters significantly associated with the outcome parameter and parameters for which this is not so.

Artwork

Color: If, together with your accepted article, you submit usable colour figures then Elsevier will ensure, at no additional charge, that these figures will appear in colour on the web (e.g., ScienceDirect and other sites) regardless of whether or not these illustrations are reproduced in colour in the printed version. Please make sure that artwork files are in an acceptable format (TIFF, EPS or MS Office files) and with the correct resolution. For colour reproduction in print, you will receive information regarding the total costs from Elsevier after receipt of your accepted article. For further information on the preparation of electronic artwork, please see http://www.elsevier.com/artworkinstructions.
Please note: Because of technical complications that can arise from the conversion of colour figures to 'grey scale' (for the printed version should you not opt for colour in print) please submit in addition usable black and white prints corresponding to all the colour illustrations.

**Permissions**

Acknowledgement of previously published material should be given in the legend, and the source should be included in the References section. **It is the author's responsibility to obtain written permission for any borrowed, modified or adapted text, tables or figures from the copyright owner (usually the original publisher).** If text material totaling 250 to 300 words, or any tables, are borrowed verbatim from published sources, written permission is required from both publisher and author. With shorter quotations, it is sufficient to add a bibliographic credit. Permission letters for reproduced text or illustration must accompany the manuscript. If you have been unable to obtain permission, please point this out. Elsevier has preprinted forms for use by authors: [http://www.elsevier.com/permissions](http://www.elsevier.com/permissions). You can also contact Elsevier's Rights Department: healthpermissions@elsevier.com.

**AudioSlides**

The journal encourages authors to create an AudioSlides presentation with their published article. AudioSlides are brief, webinar-style presentations that are shown next to the online article on ScienceDirect. This gives authors the opportunity to summarize their research in their own words and to help readers understand what the paper is about. More information and examples are available. Authors of this journal will automatically receive an invitation e-mail to create an AudioSlides presentation after acceptance of their paper.

**3D radiological data**

You can enrich your online article by providing 3D radiological data in DICOM format. Radiological data will be visualized for readers using the interactive viewer embedded within your article, and will enable them to: browse through available radiological datasets; explore radiological data as 2D series, 2D orthogonal MPR, 3D volume rendering and 3D MIP; zoom, rotate and pan 3D reconstructions; cut through the volume; change opacity and threshold level; and download the data. Multiple datasets can be submitted. Each dataset will have to be zipped and uploaded to the online submission system via the '3D radiological data' submission category. The recommended size of a single uncompressed dataset is 200 MB or less. Please provide a short informative description for each dataset by filling in the 'Description' field when uploading each ZIP file. Note: all datasets will be available for download from the online article on ScienceDirect. So please ensure that all DICOM files are anonymized prior to submission. More information.

**Interactive Case Insights**

This journal encourages authors to complement their case reports with test questions that reinforce the key learning points. These author-created questions are submitted along with the article (new or revised) and will be made available in ScienceDirect along with your paper. More information and examples are available at [http://www.elsevier.com/about/content-innovation/interactive-case-insights](http://www.elsevier.com/about/content-innovation/interactive-case-insights). Test questions are created online at [http://elsevier-apps.sciverse.com/GadgetICRWeb/verification](http://elsevier-apps.sciverse.com/GadgetICRWeb/verification). Create the test questions, save them as a file to your desktop, and submit along with your (new or revised) manuscript through EES. For questions, please contact icihelp@elsevier.com.

**RESEARCH DATA**

This journal encourages and enables you to share data that supports your research publication where appropriate, and enables you to interlink the data with your published articles. Research data refers to the results of observations or experimentation that validate research findings. To facilitate reproducibility and data reuse, this journal also encourages you to share your software, code, models, algorithms, protocols, methods and other useful materials related to the project.

Below are a number of ways in which you can associate data with your article or make a statement about the availability of your data when submitting your manuscript. If you are sharing data in one of these ways, you are encouraged to cite the data in your manuscript and reference list. Please refer to the "References" section for more information about data citation. For more information on depositing, sharing and using research data and other relevant research materials, visit the research data page.
Data linking
If you have made your research data available in a data repository, you can link your article directly to the dataset. Elsevier collaborates with a number of repositories to link articles on ScienceDirect with relevant repositories, giving readers access to underlying data that gives them a better understanding of the research described.

There are different ways to link your datasets to your article. When available, you can directly link your dataset to your article by providing the relevant information in the submission system. For more information, visit the database linking page.

For supported data repositories a repository banner will automatically appear next to your published article on ScienceDirect.

In addition, you can link to relevant data or entities through identifiers within the text of your manuscript, using the following format: Database: xxxx (e.g., TAIR: AT1G01020; CCDC: 734053; PDB: 1XFN).

Mendeley Data
This journal supports Mendeley Data, enabling you to deposit any research data (including raw and processed data, video, code, software, algorithms, protocols, and methods) associated with your manuscript in a free-to-use, open access repository. During the submission process, after uploading your manuscript, you will have the opportunity to upload your relevant datasets directly to Mendeley Data. The datasets will be listed and directly accessible to readers next to your published article online.

For more information, visit the Mendeley Data for journals page.

Data statement
To foster transparency, we encourage you to state the availability of your data in your submission. This may be a requirement of your funding body or institution. If your data is unavailable to access or unsuitable to post, you will have the opportunity to indicate why during the submission process, for example by stating that the research data is confidential. The statement will appear with your published article on ScienceDirect. For more information, visit the Data Statement page.

3D radiological data
You can enrich your online article by providing 3D radiological data in DICOM format. Radiological data will be visualized for readers using the interactive viewer embedded within your article, and will enable them to: browse through available radiological datasets; explore radiological data as 2D series, 2D orthogonal MPR, 3D volume rendering and 3D MIP; zoom, rotate and pan 3D reconstructions; cut through the volume; change opacity and threshold level; and download the data. Multiple datasets can be submitted. Each dataset will have to be zipped and uploaded to the online submission system via the '3D radiological data' submission category. The recommended size of a single uncompressed dataset is 200 MB or less. Please provide a short informative description for each dataset by filling in the 'Description' field when uploading each ZIP file. Note: all datasets will be available for download from the online article on ScienceDirect. So please ensure that all DICOM files are anonymized prior to submission. More information.

AFTER ACCEPTANCE
Online proof correction
Corresponding authors will receive an e-mail with a link to our online proofing system, allowing annotation and correction of proofs online. The environment is similar to MS Word: in addition to editing text, you can also comment on figures/tables and answer questions from the Copy Editor. Web-based proofing provides a faster and less error-prone process by allowing you to directly type your corrections, eliminating the potential introduction of errors. If preferred, you can still choose to annotate and upload your edits on the PDF version. All instructions for proofing will be given in the e-mail we send to authors, including alternative methods to the online version and PDF. We will do everything possible to get your article published quickly and accurately. Please use this proof only for checking the typesetting, editing, completeness and correctness of the text, tables and figures. Significant changes to the article as accepted for publication will only be considered at this stage with permission from the Editor. It is important to ensure that all corrections are sent back to us in one communication. Please check carefully before replying, as inclusion of any subsequent corrections cannot be guaranteed. Proofreading is solely your responsibility.
Offprints
The corresponding author will, at no cost, receive a customized Share Link providing 50 days free access to the final published version of the article on ScienceDirect. The Share Link can be used for sharing the article via any communication channel, including email and social media. For an extra charge, paper offprints can be ordered via the offprint order form which is sent once the article is accepted for publication. Both corresponding and co-authors may order offprints at any time via Elsevier's Webshop. Corresponding authors who have published their article open access do not receive a Share Link as their final published version of the article is available open access on ScienceDirect and can be shared through the article DOI link.

Retraction Policy
All allegations of misconduct will be referred to the Editor-In-Chief, who will review the circumstances in consultation with the Deputy Editor. All such allegations will be kept confidential; the number of inquiries and those involved will be kept to the minimum necessary to achieve this end. Initial fact-finding will usually include a request to all the involved parties to state their case, and explain the circumstances, in writing. In questions of research misconduct centering on methods or technical issues, the Editor-In-Chief may confidentially consult experts who are blinded to the identity of the individuals, or if the allegation is against an editor, an outside editor expert. The Editor-In-Chief and Deputy Editor will arrive at a conclusion as to whether there is enough evidence to lead a reasonable person to believe there is a possibility of misconduct. Their goal is not to determine if actual misconduct occurred, or the precise details of that misconduct.

When allegations concern authors, the peer review and publication process for the manuscript in question will be halted while the process above is carried out. The investigation described above will be completed even if the authors withdraw their paper, and the responses below will still be considered. In the case of allegations against reviewers or editors, they will be replaced in the review process while the matter is investigated. The JMIIRS will deal with any further action (such as notifying the author's institution) on a case-by-case basis. The most common forms of scientific misconduct can be found on the ORI publication Analysis of Institutional Policies for Responding to Allegations of Scientific Misconduct, full report in PDF format.

AUTHOR INQUIRIES
Visit the Elsevier Support Center to find the answers you need. Here you will find everything from Frequently Asked Questions to ways to get in touch. You can also check the status of your submitted article or find out when your accepted article will be published.

The Managing Editor can be reached at: editor@camrt.ca

© Copyright 2014 Elsevier | http://www.elsevier.com