Table of Contents

About JVIR and Instructions for Authors
Legal Considerations
  Exclusive Submission Policy
  Submission Declaration and Verification
  Preprint Servers
Copyright
Ethics
  Ethics in Publishing
  Studies in Humans
  Studies in Animals
  Authorship
  Conflicts of Interest
  Redundant (Duplicate) Publications
Reporting Standards
  SIR Reporting Standards
  Standards by Study Type
    CONSORT
    STROBE
    PRISMA
    ARRIVE
  Statistical Methods and Standards
Open Access
Role of the Funding Source
Funding Body Agreements and Policies
Authors for Whom English Is Not the Primary Language
Manuscript Preparation
  Document Technical Specifications
  Blinding of Manuscript
Types of Submissions
  Clinical Studies and Laboratory Investigations
  Brief Reports
  Letter to the Editor
  Review Article
    Evidence-Based Review
  Extreme IR
  Images in IR
  Video Articles
  In Memoriam
  Editorial, Commentary, IR History, Book Review, Perspective, Research in Translation, Supplements, Conference Proceedings, Meeting Abstracts
Online-Only Publication
  Supplementary Materials
  Video Figures
SIR and SIR Foundation Documents

Data Repository

Manuscript Submission Process

- General Information
- New Submissions
- Revisions
- File Names

Technical Specifications for Tables, Figures, and Graphical Abstracts

- Tables
- Figures
  - Radiographs, Photographs, Scanned Images, Halftones
  - Line Art, Diagrams, Drawings, Graphs
- Videos
  - Size, Resolution, Labels, Arrows
- Graphical Abstract/Visual Synopsis

Proofs
ABOUT JVIR AND INSTRUCTIONS FOR AUTHORS

The Journal of Vascular and Interventional Radiology (JVIR) is devoted to the timely publication of peer-reviewed clinical and laboratory studies in the field of vascular and interventional radiology. JVIR is the official journal of the Society of Interventional Radiology (SIR). Statements made in published articles are the responsibility of the authors and not that of JVIR or SIR.

These instructions follow the Uniform Requirements for Manuscripts Submitted to Biomedical Journals (N Engl J Med 1997; 336:309 or see www.icmje.org/index.html). Manuscripts should be prepared according to the American Medical Association Manual of Style, 11th edition (www.amamanualofstyle.com). Once a manuscript is accepted, the editors reserve the right to copyedit it to conform to JVIR’s standards and style. Accepted manuscripts become the property of JVIR and may not be published in whole or in part without the express written permission of the author(s) or SIR (see section below, Rights and Permissions).

All manuscripts must be submitted online at www.editorialmanager.com/jvir. As part of the submission process, authors will be required to complete a certificate of exclusive submission and financial disclosure forms that will compose the conflict of interest disclosure statement to be included as a footnote on the first page of the article. For officers or employees of the U.S. government, JVIR recognizes that works prepared as part of official government duties are in the public domain, but government authors must still complete the relevant forms.

Questions related to submissions or reviews should be addressed to the JVIR Publications Coordinators at jvir@sirweb.org. Questions related to editorial issues should be addressed to the SIR Director of Publications Brian Haefs at bhaefs@sirweb.org and Managing Editor David Clarfield at dclarfield@sirweb.org.

LEGAL CONSIDERATIONS

EXCLUSIVE SUBMISSION POLICY

JVIR adheres to the best publishing practice guidelines, as outlined by the SIR Code of Ethics (principle 8) and the Committee on Publishing Ethics. Please visit www.sirweb.org/about-sir/governance/policies/ and www.publicationethics.org for details.

JVIR encourages maximum disclosure about similar material already published or submitted for publication elsewhere at the time of submission to JVIR. This principle applies to both original and review articles. Manuscripts will only be reviewed and accepted with the understanding that they are contributed solely to JVIR. Authors must be certain that no manuscript on the same or similar material has been, or will be, submitted to another journal by themselves, their co-authors, or others at their institution prior to their work appearing in JVIR without notifying the editor. The submission by authors of similar material to advertising, broadcast, or electronic media must be indicated at the time of manuscript submission to the JVIR Editorial Manager system.

SUBMISSION DECLARATION AND VERIFICATION

Submission of an article implies that the work described has not been published previously (except in the form of an abstract or as part of a published lecture or academic thesis or as an electronic preprint; see www.elsevier.com/editors-update/story/publishing-
ethics/clarification-of-our-policy-on-prior-publication), that it is not under consideration for publication elsewhere, that its publication is approved by all authors and tacitly or explicitly by the responsible authorities where the work was carried out, and that, if accepted, it will not be published elsewhere in the same form, in English or in any other language, including electronically, without the written consent of the copyright holder. To verify originality, every article will be checked by the originality detection service CrossCheck (www.elsevier.com/editors/plagdetect). JVIR uses CrossCheck on every submission. CrossCheck is a subscription service, but authors are encouraged to use any available duplication checking software to check their own manuscript prior to submission.

At the time of manuscript submission, authors must sign a Certificate of Exclusive Submission to attest that no manuscript on the same or similar material has been, or will be, submitted to another journal by themselves, their co-authors, or others at their institution prior to its appearance in JVIR.

PREPRINT SERVERS

Posting of a manuscript on a preprint server prior to submission is not necessarily considered to be prior or duplicate publication. However, JVIR editors consider novelty when making manuscript decisions, and if a manuscript receives substantial publicity before or during the peer-review process, suitability for publication may be compromised.

1) Upon first submission to JVIR, the authors must inform the journal in the cover letter whether the manuscript has been posted to a preprint server and provide the name of the server, the copyright license under which the manuscript is posted, and any associated accession numbers or digital object identifiers (DOIs).

2) Only original author-prepared files may be posted. Versions of a manuscript that have been prepared by a publisher or altered as a result of the peer-review process may not be posted.

3) The authors must retain rights to copyright the work after posting on the preprint server and, upon acceptance to JVIR, must be able to transfer the copyright to SIR.

4) A preprint DOI must be assigned to the posted preprint. Upon acceptance to JVIR, a new DOI will be assigned to the article by JVIR. Once the article has been published in its final form on the JVIR website, it is the author’s responsibility to update the preprint server with an addendum stating that the peer-reviewed and edited version is now published, with a link to the article on JVIR’s website.

COPYRIGHT

Upon acceptance of an article, authors will be asked to complete a “Journal Publishing Agreement” (see www.elsevier.com/about/policies/copyright). 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 (www.elsevier.com/__data/assets/word_doc/0007/98656/Permission-Request-Form.docx) for use by authors in these cases. Authors (or authors’ employer or institution) have certain rights to reuse the work: www.elsevier.com/about/policies/copyright.

ETHICS

ETHICS IN PUBLISHING

Please see our information pages on ethics in publishing (www.elsevier.com/about/policies/publishing-ethics) and ethical guidelines for journal publication (www.elsevier.com/authors/journal-authors/policies-and-ethics).

STUDIES IN HUMANS

If the work involves the use of human subjects, the author must ensure that the work described has been carried out in accordance with The Code of Ethics of the World Medical Association (Declaration of Helsinki) (www.wma.net/policies-post/wma-declaration-of-helsinki-ethical-principles-for-medical-research-involving-human-subjects) for experiments involving humans. The manuscript should be in line with the Recommendations for the Conduct, Reporting, Editing and Publication of Scholarly Work in Medical Journals (www.icmje.org/recommendations) and aim for the inclusion of representative human populations (sex, age and ethnicity) as per those recommendations. The terms “sex” and “gender” must be used according to the guidelines at https://www.who.int/health-topics/gender.

If an Institutional Review Board (IRB) exists at the institution(s) in which any study involving human subjects is conducted, the investigators must obtain prior IRB approval. This requirement applies to prospective and retrospective studies (including technical notes and case reports) that involve any direct interaction with patients or evaluation or review of protected health information (e.g., imaging studies or medical record reviews). Authors are required to specify the IRB institution and approval protocol number on the title page, but within the text of the submitted manuscript, authors are only required to specify IRB approval. See Valji K. IRB Approval—Who Needs It? J Vasc Interv Radiol 2002; 13:225-226. doi: 10.1016/s1051-0443(07)61714-x.

If the IRB at the participating institution does not require approval for the type of research being performed, a statement to this effect must be included in the manuscript. If no IRB existed at the time the study was initiated, the authors must include a statement in the manuscript to this effect, as well as a second statement that the principles of the Declaration of Helsinki were followed. If a manuscript reports on the emergent use of a material or device not approved by the U.S. Food and Drug Administration nor accepted as standard practice, the authors must state that they obtained informed consent from the patient (when feasible) and reported the case to the local IRB within one week of the event. This procedure is only valid for a single patient.
The privacy rights of human subjects must always be observed. It is the author’s responsibility to ensure that patient anonymity is carefully protected. Authors from U.S. institutions must comply with all regulations of the Health Insurance Portability and Accountability Act (HIPAA) of 1996. Unless authors have written permission from the patient (or, where applicable, the next of kin), the personal details and protected health information (PHI) of any patient included in any part of the article and in any supplementary materials (including all illustrations and videos) must be removed before submission.

Studies on patients or volunteers require informed consent, which should be documented in the manuscript. Written consents for participation in research and consents for publication of personal details must be retained by the author, but copies should not be provided to the journal unless specifically requested by the journal in exceptional circumstances (for example, if a legal issue arises). In such cases, the author must provide copies of the consents or evidence that such consents have been obtained. For more information, please review the Elsevier Policy on the Use of Images or Personal Information of Patients or other Individuals (www.elsevier.com/about/policies/patient-consent).

For prospective trials, randomized or not, authors should adhere to the recommendations of the ICMJE to register the trial on clinicaltrials.gov or the WHO International Clinical Trials Registry Platform (http://www.icmje.org/recommendations/browse/publishing-and-editorial-issues/clinical-trial-registration.html). The registration number must be provided on the title page, but should not be specified in the text to protect the confidentiality of the double-blinded review.

STUDIES IN ANIMALS

All animal experiments should comply with the ARRIVE guidelines and should be carried out in accordance with the U.K. Animals (Scientific Procedures) Act, 1986 and associated guidelines, EU Directive 2010/63/EU for animal experiments, or the National Research Council’s “Guide for the Care and Use of Laboratory Animals” and the authors should clearly indicate in the manuscript that such guidelines have been followed. The sex of animals must be indicated, and where appropriate, the influence (or association) of sex on the results of the study. Manuscripts reporting research involving animals must include the protocol approval number of the Institutional Animal Care and Use Committee (IACUC) or other standardized evidence that the animal care complied with the “Guide for the Care and Use of Laboratory Animals.”

AUTHORSHIP

Any person listed as a manuscript author should have made substantive intellectual contributions to the study as established by the International Committee of Medical Journal Editors (ICMJE, www.icmje.org). All authors should meet each of the following conditions with regard to the manuscript: (1) substantial contributions to conception and design, or acquisition of data, or analysis and interpretation of data; (2) active role in drafting the article or revising it critically for important intellectual content; (3) final approval of the version to be published; and (4) accountability for the accuracy and integrity of the article. Duties of authors may be reviewed at www.elsevier.com/about/policies/publishing-ethics.
To ensure appropriate credit for publication, authors are strongly encouraged to provide Open Researcher and Contributor ID (ORCID) identification numbers. This author-specific, cross-platform, persistent digital identifier may be obtained free of charge at [www.orcid.org](http://www.orcid.org).

If the manuscript describes a sponsored study, it must be made clear in the Materials and Methods section who designed the study, who gathered the data, who analyzed the data, who vouches for the data and the analysis, who wrote the manuscript, and who decided to publish the article—see [www.councilscienceeditors.org/resource-library/editorial-policies/white-paper-on-publication-ethics/2-4-sponsor-roles-and-responsibilities/](http://www.councilscienceeditors.org/resource-library/editorial-policies/white-paper-on-publication-ethics/2-4-sponsor-roles-and-responsibilities/). Any agreements concerning confidentiality of the data between the sponsor and the authors or the institutions named in the credit lines must be disclosed, and a copy of the study protocol must be uploaded with the manuscript. Any restriction of access to original data, or drafting or writing of manuscripts by sponsoring entities without crediting and disclosing such authorship, is prohibited ([wame.org/ghost-writing-initiated-commercial-companies](http://wame.org/ghost-writing-initiated-commercial-companies)). Likewise, if any writing assistance other than copy editing or legal review was provided, the name of the person(s) and those persons’ employer(s) must be provided.

**CONFLICTS OF INTEREST**

**JVIR** adheres to the policy on conflicts of interest of the ICMJE, which states, in part, that “to prevent ambiguity, authors must state explicitly whether potential conflicts do or do not exist.” Authors must state their disclosures on the title page of the manuscript. If there are no disclosures, state “Conflicts of interest: none.” Each author of each manuscript will be required to complete an ICMJE disclosure form at the time of submission ([www.icmje.org/conflicts-of-interest/](http://www.icmje.org/conflicts-of-interest/)), detailing all relationships with any possible perceived relevance held within the 36 months before the date of submission. Corresponding authors will be responsible for collecting these and uploading them during the submission process. Authors in the USA are required to verify disclosed conflicts with payments listed on the federal government Open Payments site: [www.openpaymentsdata.cms.gov](http://www.openpaymentsdata.cms.gov).

**REDUNDANT (DUPLICATE) PUBLICATIONS, PIRACY, and PLAGIARISM**

**DEFINITIONS**

A publication is considered to be redundant (duplicate) when it contains extensive and unacknowledged verbatim or near-verbatim reproduction in print or electronic media of previously published original or review articles. Duplication also extends to submissions under consideration by another journal as well as to presentations and posting of results in registries. Piracy is defined as unauthorized reproduction or use of ideas, data, or methods from others without adequate permission or acknowledgement (CSE). Plagiarism is a form of piracy involving duplication or close imitation of text, figures and/or tables. The word “extensive” refers to substantial overlaps, understood as duplication of the entire manuscript or of entire paragraphs or sections. The word “unacknowledged” refers to unauthorized use of the same data in several publications, that is, use “without appropriate justification, permission or cross-referencing” (COPE). The reuse of “significant, identical, or nearly identical portions of own previously published work without citing the earlier publications or without citing the original papers” (ISMTE) is considered to be “self-plagiarism” (CSE). Citing previously published work does not in itself render extensive duplication acceptable.
Sources


Committee on Publication Ethics (COPE). Code of conduct and best-practice guidelines for journal editors; Dual publication; Suspected redundant publication in a submitted manuscript (flowchart). Available from: www.publicationethics.org


In addition, Elsevier’s general sections on publishing ethics are available at www.elsevier.com/about/policies/publishing-ethics

JVIR’S POSITION

Submission of material without citation of the self-same material information elsewhere and without permission from the copyright holder is a violation of ethical publishing standards. This principle extends to dual or multiple submissions (that is, submission of material to a journal when the same material is already under consideration by another/other journal[s]). This is especially true when there is “evidence that authors have sought to hide redundancy, e.g., by changing title, authors’ order, or not referring to previous papers” (COPE). JVIR prohibits these practices and is mandated to act upon infractions. JVIR uses duplication detection software to help identify redundancy and piracy. Authors are encouraged to use publicly available duplication detection software prior to submission of manuscripts.

SPECIAL CASES

JVIR understands that duplicate publication is permissible under certain circumstances (e.g., publication in a foreign language, for a completely different audience, or in a special commemorative edition) as long as credit is given to the previous publication and permission to reprint is granted by the copyright holder. If the author(s) considers duplicate publication in the future, the editorial office should be notified. For more details on special cases when duplicate publication is permitted, see www.elsevier.com/editors/perk/multiple-duplicate-concurrent-publication-simultaneous-submission, also linked above.
REPORTING STANDARDS

SIR REPORTING STANDARDS

In order to ensure consistency in reporting the results of clinical research, SIR has developed a number of reporting standards documents that authors should follow when submitting manuscripts for consideration. Adherence to relevant reporting standards will be taken into account in the review process. Refer to www.jvir.org/content/reporting.

STANDARDS BY STUDY TYPE

For a summary of study type reporting standards, see www.equator-network.org/.

CONSORT STATEMENT

JVIR formally endorses the CONSORT (Consolidated Standards of Reporting Trials) Statement. The CONSORT Statement contains criteria developed to improve the quality of published reports of randomized clinical trials. The current 2010 criteria consist of a 25-item checklist that pertains to the various sections of a report of a clinical trial (Title, Abstract, Introduction, Materials and Methods, Results, and Discussion). Authors of randomized clinical trials are required to upload the CONSORT criteria and checklist when submitting a manuscript. The CONSORT Flow Diagram should be submitted as Figure 1. The checklist must be submitted, but will not be published. For more information on the CONSORT Statement, please visit www.consort-statement.org.

STROBE STATEMENT

JVIR supports the STROBE (STrengthening the Reporting of OBservational studies in Epidemiology) Statement. Although JVIR does not exclusively publish epidemiology articles, the guidelines are generalized to all observational studies and, like CONSORT criteria, consist of a 22-item checklist to aid authors to produce comprehensive manuscripts. The current 2007 Version 4 Checklists are available for cohort studies, case-control studies, and cross-sectional studies, at www.strobe-statement.org.

PRISMA STATEMENT

JVIR supports the PRISMA (Preferred Reporting Items for Systematic reviews and Meta-Analyses) Statement. Like CONSORT and STROBE, the PRISMA statement includes a 27-item checklist of information that must be included in a comprehensive journal article. In addition, like CONSORT, PRISMA incorporates a flow diagram that should be completed and submitted as Figure 1, describing the study selection process for the submitted systematic review or meta-analysis. Details and downloadable checklist and flow diagram are available at www.prisma-statement.org.

ARRIVE STATEMENT

JVIR supports the ARRIVE (Animal Research: Reporting of In Vivo Experiments) guidelines. Like other statements, the ARRIVE guidelines support a 10-item checklist of
information that must be included in journal publications to improve the reporting of animal research. Details and downloadable checklist are available at www.arriveguidelines.org.

**STATISTICAL METHODS AND STANDARDS**

**JVIR** advises authors without formal biomedical statistics training to consult professional statisticians prior to performance of statistical tests to be reported in the manuscript. Statistical details should be reported according to standards, as described in [www.ICMJE.org](http://www.ICMJE.org) or [SAMPL](http://www.equator-network.org) guidelines. In situations where the contributions of a statistician are fundamental to the manuscript, the statistician should be listed as a co-author. Additional details are available at [www.elsevier.com/__data/promis_misc/jvir-guidelines-for-statistical-methods.pdf](http://www.elsevier.com/__data/promis_misc/jvir-guidelines-for-statistical-methods.pdf).

**OPEN ACCESS**

Information on Open Access options may be found on the **JVIR** information page at [www.elsevier.com/journals/jvir-journal-of-vascular-and-interventional-radiology/1051-0443/open-access-options](http://www.elsevier.com/journals/jvir-journal-of-vascular-and-interventional-radiology/1051-0443/open-access-options).

**FUNDING: SOURCES AND ROLES**

Authors are required to identify who provided financial support for the conduct of the research and/or preparation of the article and to describe the roles of the sponsor(s), if any, in the design of the study; in the collection, analysis, and interpretation of data; in the writing of the first draft; in the editing of the content of the final manuscript; and in the decision to submit the article for publication. If the funding source(s) had no such involvement, authors must state, “The author(s) received no financial support for the preparation of this article for publication.” Grant identifiers must be provided on the title page but not in the text, to protect the confidentiality of the double-blind review.

**FUNDING BODY AGREEMENTS AND POLICIES**

Elsevier has established a number of agreements with funding bodies which allow authors to comply with their funders’ open access policies. Some funding bodies will reimburse the author for the Gold Open Access publication fee. Details of existing agreements are available online ([www.elsevier.com/about/open-science/open-access/agreements](http://www.elsevier.com/about/open-science/open-access/agreements)).

**AUTHORS FOR WHOM ENGLISH IS NOT THE PRIMARY LANGUAGE**

**JVIR** publishes manuscripts only in English, using the American style of spelling and decimal points. For authors for whom English is a secondary language, limited language editing services are available through the publisher, Elsevier. More extensive services are available at the authors’ expense through Alpha Beta Scientific Communications ([info@abscicomm.com](mailto:info@abscicomm.com)). Other commercial services are available, but **JVIR** and Elsevier do not endorse or guarantee their work. Additional details on **JVIR** writing style are available at [www.elsevier.com/__data/promis_misc/jvir_manprep.pdf](http://www.elsevier.com/__data/promis_misc/jvir_manprep.pdf). Submitted manuscripts in which English syntax and usage are not correctable with minor copy editing will be declined and returned to the authors for professional editing prior to resubmission.
MANUSCRIPT PREPARATION

DOCUMENT TECHNICAL SPECIFICATIONS

**JVIR** publishes several types of articles, each of which has a distinct format. The preferred word-processing program is Microsoft Word. Manuscripts must be written in 12-point font, must be double-spaced throughout (including tables, references, and figure legends) and must have at least 1-inch (3-cm) margins. The text should be aligned left (not justified). Keep embedded instructions (e.g., italics, underlines, boldface) to a minimum. Do not use coding for centering. Insert only one space after punctuation marks. Sequential page numbering should begin with the abstract as page 1. Line numbering is not necessary. Please avoid first person verbiage (I, we, our, etc.). Please avoid claims of primacy (“first ever reported”). A cover letter addressed to the editor is optional, and if included, is limited to 250 words. Additional details on **JVIR** writing style and format are available at www.elsevier.com/__data/promis_misc/jvir_manprep.pdf. Each article should include at least one image, which will also be used as a thumbnail in the Table of Contents.

BLINDING OF MANUSCRIPT

**JVIR** adheres to a double-blind review process, whereby the identities of the authors are kept confidential from the reviewers and vice versa. To ensure blinded peer-review, no direct references to the author(s), institution(s) of origin, or previous work/publications should be made anywhere in the abstract, text, figure legends, tables, footnotes, list of references, appendixes, or file names. Authors should avoid wording such as: “In a previous article (3), we reported…”, “Procedures were performed by two investigators (A.B.C., X.Y.Z.)…”, “Patients enrolled at University Hospital, a tertiary center in Capital City, State…”, “Authors acknowledge proofreading provided by John Smith…”, “Research was supported by NIH R01…”, “Trial is registered on www.clinicaltrials.gov number …” Relevant identifying information may be included in the Title Page, and authors will be able to unblind the blinded information after the article is accepted for publication.

KEY WORDS

**JVIR** does not publish key words, but authors may submit a list of key words to improve discoverability after publication. Authors are encouraged to use Medical Subject Headings (MeSH), which are listed at https://www.nlm.nih.gov/mesh/meshhome.html.

TYPES OF SUBMISSIONS

**CLINICAL STUDY AND LABORATORY INVESTIGATION**

Clinical Studies and Laboratory Investigations are full-length, original research documents with higher requirements for level of evidence and expected impact. Length is limited to 3800 words, inclusive of text and a maximum of 35 references, but not tables, table legends, or figure legends. Authors are encouraged to make judicious use of supplemental appendices, tables, and figures (published as online supplements) to ensure compliance with word count and figure
limits. The order of sections is: Title Page, Abstract, Text, References, Tables, Figure Legends, Figures, Supplementary Materials, ICMJE Disclosures.

TITLE PAGE

Include a title page as a separate document. List author affiliations, contact information of the corresponding author, conflicts of interest and financial disclosures, (see Conflict of Interest above), acknowledgements, funding sources, trial registration, word count inclusive of main text and references, and whether the material was presented at an SIR Annual Scientific Meeting or any other conference, or posted as a preprint. Descriptions of presentations at an SIR Annual Scientific Meeting should specify the year, title, and abstract number. Posted preprints must include the DOI number.

• Acknowledgments: On the title page, list any notable contributors to the conduct of the study or preparation of the manuscript other than the authors. Authors are responsible for obtaining permission from acknowledged persons.

ABSTRACT

The abstract for original clinical and laboratory investigations should be no longer than 250 words and should be formatted into discrete sections titled Purpose, Materials and Methods, Results, and Conclusion. The abstract should summarize all of the main aspects of the study. The Purpose statement should be a single hypothesis-driven sentence, and background information is not necessary. Actual data with statistics should be included in the Results. The Conclusion should be limited to what was drawn directly from the study. Note that the Conclusion will be used as a summary statement of the work in the printed Table of Contents.

TEXT

• Introduction: Provide a brief summary (usually 250–350 words) of background material to set the stage for the article. This section should end with a succinct statement of the purpose or hypothesis of the study.

• Materials and Methods: Describe the nature of the subjects, methods of selection, materials (including model name; manufacturer’s name, and headquarter location city and state or country if not the United States), and all procedures. The number of participants and demographics of study group(s) (such as sex distribution, mean age, underlying medical problems) should be included in this section. References should be made to established methods that have been published. New or substantially modified methods should be described, supported with rationale, and critically evaluated for real and potential limitations. This section should conclude with a description of all statistical methods used to analyze the data, with references and names of computer software packages.

• Results: Report of data and observations should be in logical sequence in the text, tables, and figures. Tables and figures should be called out in the text. Data given in tables should not be repeated in the text. Complex reports may require subheadings in this section. Supporting but non-essential data may be submitted as Supplemental Materials for inclusion in the electronic version only.

• Discussion: Consider new and important aspects of the study and conclusions that can be drawn directly from the data. Include implications of findings, and relate observations
to other relevant studies. Include a separate paragraph that outlines the limitations of the study. Avoid claiming primacy, alluding to work that has not been completed, or making unqualified statements not supported by the data. Clinical practice recommendations should be made when appropriate. Length is typically fewer than 1000 words.

REFERENCES

**In Text Citations:** Number the references in the order in which they appear in the text (including references in tables at the site where they are mentioned in the text). Reference numbers appear on line within parentheses (not bracketed, not superscripted). With the exception of review articles, no more than 30–35 references should be cited. Make sure the number used for the reference cited in the text matches the number of the respective reference in the references list. Note: Unpublished data are not cited in the reference list but cited parenthetically in the text.

**References List | Reference Style:** References must be current and relevant. **JVR** no longer requires authors to use a strict style for reference formatting at submission. References can be in any style or format as long as the style is consistent. However, each reference must include the author(s) name(s), journal title/book title, chapter title/article title, year of publication, volume number/book chapter, and page numbers. Use of DOI is highly encouraged. **JVR**’s reference style 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.

RESEARCH HIGHLIGHTS

Authors of Clinical Studies and Laboratory Investigations are required to submit a short, bulleted list of Research Highlights. These highlights should consist of 3–5 concise points conveying core findings and conclusions, uploaded as a separate file, limited to 100 words. The Editors may revise the highlights or rewrite them, or add their own perspectives on the value of the research. Proposed research highlights should be submitted as a separate editable file as part of the online manuscript submission, using “Research Highlights” in the file name.

BRIEF REPORT

**Brief Reports** may be either clinical or nonclinical, more exploratory or preliminary or lower level of evidence, and narrower in scope than Clinical Study and Laboratory Investigation manuscripts. The length is limited to 2000 words, inclusive of text and maximum of 15 references. Figures are limited to 8 figure parts. The manuscript components are identical to those of Clinical Study and Laboratory Investigation manuscripts, and the order of sections is: Title Page, Abstract, Text, References, Tables, Figure Legends, Figures, Supplementary materials, ICMJE disclosures. However, for brief reports, the abstract is a short (maximum 150 words), unstructured paragraph.

LETTER TO THE EDITOR
**Letters to the Editor** may offer commentary on any material already published in **JVIR**. Letters that relate to a published article will be published pending response from the original article’s author(s). Letters to the Editor may also be used to convey limited new material of general interest to the interventional radiology community. In general, individual case reports or small case series should be submitted as Letters to the Editor. Length is limited to 900 words, including up to 4 references. Figures are limited to 6 figure parts. The order of sections is: Title Page, Letter, References, Tables, Figure Legends, Figures, ICMJE disclosures.

**REVIEW ARTICLE**

**JVIR** will review unsolicited **Evidence-Based Review** articles, which are systematic reviews and meta-analyses. Length is limited to 5000 words, inclusive of text and up to 50 references. The order of sections is: Title Page, Abstract, Text, References, Tables, Figure Legends, Figures, Supplementary materials, ICMJE disclosures. In addition, **Review Articles** may be invited by the Editor but are still subject to peer review and are not guaranteed acceptance. Authors may consult the Editor with proposals prior to preparation and submission of unsolicited review articles. Specific instructions are provided at the time of invitation.

**RESEARCH IN TRANSLATION**

**Research in Translation** articles introduce innovative basic or preclinical concepts that may be advancing towards clinical care in interventional radiology. Articles should focus on relevance and the path to clinical application. A multidisciplinary author group is highly recommended. Authors may consult the Editor with proposals prior to preparation and submission of unsolicited translation articles. Text is limited to 1800 words inclusive of references. The order of sections is: Title Page, Introduction, Concept, Relevance, Translation, References (maximum 4, with judicious use of a suggested reading list for online publication), Table, Figure Legends, Figures, Supplementary materials, ICMJE disclosures.

**EXTREME IR**

**Extreme IR** articles describe a single clinical case in which extraordinary measures were required. Cases may portray severe pathology, unexpected clinical situations, or unanticipated procedural dilemmas demanding creative solutions. Text is limited to 350 words including case description and figure legends, and should include no references to allow for high quality, instructive figures or illustrations, limited to 6 figure parts. The order of sections is: Title Page, Text, Figure Legends, Figures, ICMJE disclosures.

**IMAGES IN IR**

**Images in IR** articles consist of 1–4 images demonstrating a unique anatomic finding, an unusual diagnosis, or otherwise striking image encountered in clinical interventional radiologic practice. Text is limited to 150 words of figure legends and should include no body text and no references. The order of sections is: Title Page, Figure Captions, Figures, ICMJE disclosures.
<table>
<thead>
<tr>
<th>Manuscript type</th>
<th>Abstract</th>
<th>Research Highlights</th>
<th>Text word limit, including references</th>
<th>References maximum</th>
<th>Tables maximum</th>
<th>Figure part maximum</th>
<th>Supplementary Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full length Clinical Study, Laboratory Investigation</td>
<td>Structured, 250-word limit</td>
<td>3–5 bulleted points, 140 word limit</td>
<td>3800</td>
<td>35</td>
<td>6</td>
<td>12</td>
<td>No set limit</td>
</tr>
<tr>
<td>Brief Report</td>
<td>Unstructured, 150-word limit</td>
<td>NA</td>
<td>2000</td>
<td>15</td>
<td>4</td>
<td>8</td>
<td>No set limit</td>
</tr>
<tr>
<td>Letter to the Editor</td>
<td>NA</td>
<td>NA</td>
<td>900</td>
<td>4</td>
<td>2</td>
<td>6</td>
<td>No set limit</td>
</tr>
<tr>
<td>Evidence-based Review</td>
<td>Structured, 250-word limit</td>
<td>NA</td>
<td>5000</td>
<td>50</td>
<td>10</td>
<td>12</td>
<td>No set limit</td>
</tr>
<tr>
<td>Research in Translation</td>
<td>NA</td>
<td>NA</td>
<td>1800</td>
<td>4</td>
<td>1</td>
<td>8</td>
<td>No set limit</td>
</tr>
<tr>
<td>Extreme IR</td>
<td>NA</td>
<td>NA</td>
<td>250</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>No set limit</td>
</tr>
<tr>
<td>Images in IR</td>
<td>NA</td>
<td>NA</td>
<td>150</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>No set limit</td>
</tr>
</tbody>
</table>

**VIDEO ARTICLES**

Video Articles illustrate specific technical aspects of procedures, anatomy, or techniques that are of particular and timely interest to the readership of JVIR and not suitable for still image publication. Interested authors are encouraged to discuss their potential projects or ideas directly with the Editor via jvir@sirweb.org. Video file specifications can be found in the Technical Specifications for Tables and Figures section below. The video file should be uploaded to www.editorialmanager.com/JVIR. The video article consists of the video file and an unstructured abstract, limited to 100 words and submitted as a separate text document, to be published in the print journal with a link to the video. A representative thumbnail still image from the video should be submitted to embed in the online publication as a visual link to the video file.

**IN MEMORIAM**

In Memoriam pieces are dedicated to recently deceased personalities of the IR community. Text is limited to 650 words, and a photographic portrait of the memorialized person should be included.

**EDITORIAL, COMMENTARY, IR HISTORY, BOOK REVIEW, PERSPECTIVE**

Editorial, Commentary, and IR History articles are typically invited by the Editor. Book Reviews are invited by the Book Review Editor. Authors may also contact the Editor to propose a Perspective, History article, or Book Review. Specific instructions are provided at the time of invitation. JVIR will not accept an unsolicited Commentary, but authors are encouraged to submit a Letter to the Editor to comment on material already published in JVIR.
SUPPLEMENTS, CONFERENCE PROCEEDINGS, MEETING ABSTRACTS

Scientific abstracts (excluding educational posters) presented at the Annual Scientific Meeting of SIR are published as a separate journal supplement. Under special circumstances, abstracts and conference proceedings representing peer-reviewed research from other scientific meetings may be published as supplemental material with prior agreement between the meeting chairs and the Editor.

ONLINE-ONLY PUBLICATION

SUPPLEMENTARY MATERIALS

To comply with printed word limits, JVIR will allow or encourage publication of additional tables, figures, or text (e.g., methodology details, comprehensive data, complementary images, etc.) in the electronic version of the published manuscript. This material will not be included in the print version, but a reference to its availability online will be present in the print version. Supplementary material must meet strict criteria to be included in the electronic version and must not be redundant or irrelevant data. Online-only supplementary material must be marked clearly in the submitted manuscript.

1. Number online-only materials separately, by adding the prefix E (e.g., Fig. E1, Fig. E2).
2. Number the figures and tables sequentially in the order in which they are called out in the text.
3. In-text citations must match the figure/table numbers for print and for online-only E-publication. Citations for print and online-only materials may be interspersed (e.g., Fig. 1, Fig. 2, Fig. E1, Fig. 3).

VIDEO FIGURES

Video figures for online electronic publication: JVIR will accept relevant video clips with accepted manuscripts for viewing in the online version. Technical specifications may be found below under Figures. A representative thumbnail still image from the video clip should be submitted to embed in the online publication as a visual link to the video file.

SIR AND SIR FOUNDATION DOCUMENTS

Official documents originating from SIR or SIR Foundation will be given high profile and expanded access as online-only publications. These include Clinical Practice Guidelines, Position Statements, Research Reporting Standards, and Research Consensus Panel Proceedings. Special manuscript preparation instructions may be obtained from SIR or SIR Foundation.

DATA REPOSITORY
In alignment with the ICMJE and other organizations, JVIR supports responsible data-sharing for interventional clinical studies. This practice supports transparency, results verification, and secondary analysis (systematic review and meta-analysis) generation. JVIR encourages authors to upload a manuscript’s source data and to cite underlying or relevant datasets in manuscripts by citing them in the text and including a data reference in the reference list. Data references should include the following elements: author name(s), dataset title, data repository site, version (where available), year, and global persistent identifier. Add [dataset] immediately before the reference so that it can be properly identified as a data reference. The [dataset] identifier will not appear in the published article.

Mendeley Data is a free-to-use open research data repository designed for this purpose and owned by JVIR’s publisher Elsevier. To make a manuscript’s data available, authors may create a dataset at Mendeley Data at www.data.mendeley.com and publish it (under embargo if desired). If authors use Mendeley for data deposit, Elsevier will place links between the article and the dataset, making the data easily accessible to readers. Open source code may also be posted on Github (https://github.com).

MANUSCRIPT SUBMISSION PROCESS

GENERAL INFORMATION

All new manuscripts must be submitted through the JVIR online submission site at www.editorialmanager.com/JVIR. Authors are required to upload the title page, text, and tables as Microsoft Word .docx files, and separate figures in electronic form not embedded in the Word file or PDF. Manuscript word count (including main text and references) should be listed on the title page, and the text must have page numbers printed at the bottom of each page starting with the abstract page as page 1. Authors will be asked to specify the type of study and level of evidence, and if a clinical trial, the phase or stage of the trial.

NEW SUBMISSIONS

• An optional cover letter may be uploaded as a separate file. Cover letters are seen only by the editors and should only provide information not included in the manuscript text, such as information on the roles played by the funders of externally sponsored trials, and whether any aspects have been presented or published, or posted as a preprint. Authors may nominate appropriate objective, nonconflicted, expert reviewers.
  • Title page
  • Research highlights (for full length articles only)
  • Blinded manuscript
  • Tables
  • Figures
  • Supplementary material
  • ICMJE disclosures

REVISIONS

• Optional cover letter
• Title page
• Research highlights (for full length articles only)
• Point-by-Point Response to Review as a separate document. This document should outline how authors dealt with each of the points raised by the editors and reviewers. Authors need not agree with all of the suggestions or criticisms but must explain the authors’ position on every point. Revisions of the manuscript (if performed) must be specified for each comment. Replies to comments will not be published—only the revisions to the manuscript.
• Clean, blinded manuscript that incorporates any changes made during the revision process
• Manuscript with tracked changes. Set the word processing program track changes options to color only/blue for inserted text and to strikethrough/red for deleted text.
• Tables
• Figures
• Supplementary material
• ICMJE disclosures

FILE NAMES

Files should be labeled with descriptive file names (e.g., Coverletter.docx, Manuscript.docx, Revised_manuscript.docx, Table3.docx, Fig1a.tif). Upload text, tables, and figures as separate files. Do not embed figures or tables into the text document, and do not upload any of the materials as a PDF.

TECHNICAL SPECIFICATIONS FOR TABLES, FIGURES, AND GRAPHICAL ABSTRACTS

TABLES

• Use Microsoft Word’s Table feature. Do not construct tables using tabs. Do not use Excel or comparable spreadsheets.
• Do not use vertical/horizontal lines or shading.
• Table title and table legend (if one is necessary) should be included in the same file.
• Tables must be uploaded as individual files, one for each table, and include the table number in the file name (e.g., Table3.docx). Do not embed tables into the text file.
• Do not submit single-column tables. A single column table should be converted into a list or incorporated into the text.

FIGURES (IMAGES)

Graphics software such as Photoshop, Illustrator, BioRender, or InkScape should be used to create camera-ready images. Submit figure images electronically as individual files saved in TIF or EPS file format. Multiple panel figures (e.g., Fig. 1a, 1b, 1c, 1d) must be submitted one panel image per file and not as composite images. Figures submitted embedded in the text file or in presentation software such as PowerPoint, CorelDraw, or Keynote will be rejected. Original art must be prepared and submitted at the proper resolution and size. Editing of images for clarity (cropping, rotation, brightness and contrast, color balance, elimination of artifacts) is encouraged, but manipulation resulting in misrepresentation, removal of legitimate data, or introduction of fabricated data is prohibited.
Step-by-step instructions for art preparation are available at www.elsevier.com/artworkinstructions. Graphics services are also available through the publisher at www.webshop.elsevier.com/illustration-services. Manuscripts may move into peer review even if the figures do not meet production standards; however, figures of adequate quality are required for publication in JVIR, and failure to provide adequate figures will delay or block publication.

For video articles or video figures, authors are encouraged to utilize video editing software such as Premiere Pro, Final Cut Pro, iMovie, or Windows Movie Maker.

COLOR FIGURE POLICY

JVIR publishes in full color. However, reproduction of articles and figures by users and readers may not be in color, so color figures must be prepared so that conversion to grayscale does not compromise their abilities to convey meaning. Color figures should be prepared to be accessible to readers with color vision deficiency; instructions are available at www.elsevier.com/authors/policies-and-guidelines/artwork-and-media-instructions.

TECHNICAL SPECIFICATIONS FOR RADIOGRAPHS, PHOTOGRAPHS, SCANNED IMAGES, AND HALFTONES (DIGITAL IMAGES CHARACTERIZED BY SHADING OR GRADIENTS)

Basic parameters
File Type: TIFF
Resolution: 300 dpi
Color mode: grayscale or RGB
Width (inches): minimum 3.5” (one column), maximum 7.5” (two column)

File storage size (approximate)
Grayscale: 1–5 MB
RGB: 4–20 MB

TECHNICAL SPECIFICATIONS FOR LINE ART, DIAGRAMS, DRAWINGS, AND GRAPHS (DIGITAL LINE-DRAWN ILLUSTRATIONS WITHOUT GRADIENTS)

Basic parameters
File Type: TIFF or EPS
Resolution: Minimum 1000 dpi
Color mode: Bitmap, grayscale, or RGB
Width (inches): minimum 3.5” (one column), maximum 7.5” (two column)

File storage size (approximate)
Bitmap: 2–8 MB
Grayscale: 8–40 MB
RGB: 30–150 MB (not recommended; for largest file sizes, preparation or conversion to bitmap format is preferred)

TECHNICAL SPECIFICATIONS FOR VIDEOS

File format: MP4 (max target 720p), MOV, MPEG-1, MPEG-2, or AVI
Frame rate: 15 frames/second minimum
Video codec: H.264 (+AAC)
**Video bit rate:** 750 kbps preferred, 260 kbps minimum  
**Frame size:** 492 x 276  
**Duration:** 5 minutes maximum  
**File size:** 150 MB maximum

**SIZE, RESOLUTION, LABELS, ARROWS**

Figures should be prepared at the expected size of final printing, which is a maximum of full-page width (7.5”) and a minimum of one column (3.5”). Most images are appropriate for single-column size (3.5”). Unusually large and complex images may require full page width, while multiple panel figures with small and simple panels may be fit into a row as many as six images across one page. Even for multiple panel figures with expected small panels, each panel should be prepared and submitted individually at 3.5” width. Figures must be composed at full resolution from source data. Low resolution images that are upscaled to higher resolution that remain pixelated and/or with compression artifacts are not acceptable.

Labels such as figure part letters (a, b, c), arrows and arrowheads, asterisks, and axis labels must be large and contrasted enough to be legible after potential minification in the production process if an image is submitted larger than final print size and must be reduced in size for publication. Figure part lettering should be in the lower left corner, lower case in **Arial Bold** font, black or white depending on background, and at least 12 pt size in final printed size. Other labels, including asterisks and other symbols on radiographs, axis labels, graph symbols, and graph symbol keys should be at least 8 pt final printed size. Arrows may be any color, preferably black or white for reproduction quality, at least 3 pt (12 pixels) shaft weight, and at least 300% in arrowhead width and length. Graph axes and other line work should be at least 1 pt weight.

**GRAPHICAL ABSTRACT /VISUAL SYNOPSIS**

Full-length Clinical Studies or Laboratory Investigations or Evidence-based Reviews may have a Graphical Abstract (Visual Synopsis) composed by **JVIR**, in which the research article is summarized diagrammatically.

**PROOFS**

Corresponding authors will receive an e-mail with a link to the online proofing system, allowing annotation and correction of proofs online. The environment is similar to MS Word: in addition to editing text, authors 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 authors to directly type corrections, eliminating the potential introduction of errors.

If preferred, authors can still choose to annotate and upload edits on the PDF version. All instructions for proofing will be given in the e-mail sent to authors, including alternative methods to the online version and PDF.

**JVIR** will do everything possible to publish articles quickly and accurately. Authors may use this proofing system only for checking the typesetting and editing for 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 special permission from the Editor. All corrections must be
returned in one communication only. Please check carefully before replying, since this is the only opportunity to make corrections. Proofreading is solely the authors’ responsibility.