DESCRIPTION

Cardiovascular Revascularization Medicine (CRM) is an international and multidisciplinary journal that publishes original laboratory and clinical investigations related to revascularization therapies in cardiovascular medicine.

Cardiovascular Revascularization Medicine publishes articles related to preclinical work and molecular interventions, including angiogenesis, cell therapy, pharmacological interventions, restenosis management; and prevention, including experiments conducted in human subjects, in laboratory animals, and in vitro. Specific areas of interest include percutaneous angioplasty in coronary and peripheral arteries, intervention in structural heart disease, cardiovascular surgery, congenital heart disease, coronary heart disease, epidemiology, genetics, health services and outcomes research, invasive imaging, molecular cardiology, preventive cardiology, and vascular medicine.

Cardiovascular Revascularization Medicine will consider all articles describing clinical trials and translational research (ie, those that unite the clinic with the laboratory). The Journal publishes original articles, rapid communications, reviews, technical notes, teaching editorials, and special features. Original articles that address any aspect of cardiovascular revascularization medicine are invited. Letters to the Editor and interesting images are encouraged.

ABSTRACTING AND INDEXING

Scopus
Embase
PubMed/Medline

EDITORIAL BOARD

Editor-in-Chief
Ron Waksman, MD, 110 Irving Street, NW, Suite 4B-1. Washington, DC 20010, USA

Associate Editors
Itsik Ben-Dor, Complex Coronary Section Editor
Danny Dvir
Michael A Gaglia, Jr.
Kenneth Kent
Michael Lipinski, Science/Molecular Interventions Atherosclerosis Section Editor
Michael Mahmoudi
Toby Rogers
Lowell F. Satler
Christian Shults
Daniel H. Steinberg

Editorial Board Members

ACS AMI
David J. Cohen
George Dangas
El Sayed Farag
James Goldstein
Ravi Hira
Adnan Kastrati
Neal S. Kleiman
Massoud Leesar
Roxana Mehran
Perwaiz Meraj
Michael Mooney
Sagar Reddy
Gary Schaeer, ACS Editor
Rebecca Torguson
Jason Wasfy

Complex Coronary
Mrvat Alasnag
Rasha Al-Lamee
Dominick J. Angiolillo
Ehrin Armstrong
Prakash Balan
Subhash Banerjee
Sripal Bangalore
Oliver F. Bertrand
Balram Bhargava
James Blankenship
Robert Byrne
Paul Campbell
Shao-Liang Chen
Alaide Chieffo
Mehmet Cilingiroglu
David Cox
Ramesh Daggubati
Rajesh Dave
Michael A. Gaglia, Jr.
Ian Gilchrist
Luis Gruberg
Paul Gurbel
Tarek Helmy
Aaron Horne
Akram Ibrahim
Allen Jeremias
Jon Jovin
Sasko Kedev
Spencer King
Jacques Koolen
Richard A. Krasuski
Faisal Latif
Joshua Loh
Ayman Magd
Ehtisham Mahmud
Brijeshwar Maini
Srihari Naidu
Ji Young Park
Mitul Patel
Timir Paul
Michael Ragosta III
Richard Shlofmitz
Adhir Shroff
Pieter Smits
Lars G. Svensson
Molly Szerlip
Rebecca Torguson
Huu Tam Truong
Barry Uretsky
George Vetrovec
Mladen Vidovich
Jason Wasfy
Giora Weisz

Congenital Heart Disease Editor
Michael Slack

CTO
Lorenzo Azzalini
Wayne Batchelor
Antonio Colombo
Michael Davidson
Carlo Di Mario
Bryan Fisher
Timothy Henry
Richard R. Heuser
Andrew Ladewig
Brijeshwar Maini
Christopher Metzger
William Nicholson
Seung-Woon Rha
Shigeru Saito
Robert S. Schwartz
Christian Shults
Molly Szerlip
Rebecca Torguson
Barry Uretsky
Simon Walsh
Jason Wasfy
Gerald Werner, CTO Editor

Endovascular
Khalid Alaswad
Gary M. Ansel
Ehrin Armstrong
Robert Beasley
Marianne Brodman
Ronald Caputo
Leonardo C. Clavijo
Rajesh Dave
Bryan Fisher
Ian Gilchrist
Luis Guzman
Luke Kim
Christopher Metzger
Aravinda Nanjundappa, Endovascular Editor
Richard F. Neville
Steven E. Nissen
Samir Pancholy
Ji Young Park
Mitul Patel
Timir Paul
Toby Rogers
Kenneth Rosenfield
Rachel Rosovsky
Horst Sievert
Peter Soukas
Bradley H. Strauss
Molly Szerlip
Walter Tan
Rebecca Torguson
Jason Wasfy
Shiu Chiu Wong

*Imaging/Physiology Editor*

Mrvat Alasnag
Lorenzo Azzalini
Hiram Bezerra
Steven Bolling
Marco Costa
David Cox
Jose de la Torre Hernandez
Bryan Fisher
Santiago Garcia
Hector Garcia-Garcia, Imaging/Physiology Editor
Juan F. Granada
James B. Hermiller
Michael Joner
Morton Kern, Imaging/Physiology Editor
Neal S. Kleiman
Jacques Koolen
Ran Kornowski
Richard A. Krasuski
Mitchell Krucoff
Andrew Ladwiniec
John Laird
Alexandra Lansky
Azeem Latib
Faisal Latif
Massoud Leesar
Scott Lilly
Michael Lipinski
Joshua Loh
Joshua Loh
Chaim Lotan
Dror Luger
Michael Mack
Michael Mack
Ryan Madder
Akiko Maehara
Marc Aurelio Magalhaes
Ayman Magd
Felix Mahfoud
Michael Mahmoudi
Ehtisham Mahmud
Brijeshwar Maini
Laura Mauri
Roxana Mehran
Marco Mennuni
Perwaiz Meraj
Christopher Metzger
Michael Mooney
Pedro R. Moreno
Issam Moussa
Srihari Naidu
Aravinda Nanjundappa
Richard F. Neville
Tom Nguyen
William Nicholson
Steven E. Nissen
Samir Pancholy
Ji Young Park
Mitul Patel
Timir Paul  
Nicolo Piazza  
Jeffrey J. Popma  
Stephen R. Ramee  
Evelyn S. Regar  
Habib Samady  
Rebecca Torguson  
Jason Wasfy  
Mark H. Wholey  
James P. Zidar

*Regulatory and Health Policy*  
Wayne Batchelor  
Anthony DeMaria  
Mitchell Krucoff  
Rebecca Torguson, Regulatory and Health Policy, Editor  
Jason Wasfy

*Science/Molecular Interventions/Atherosclerosis*  
John Abraham  
Subhash Banerjee  
Paul C. Corso  
Michael Davidson  
Aloke Finn  
Timothy Henry  
Ik-Kyung Jang  
David Kallend  
Dror Luger  
Steven E. Nissen  
Renu Virmani

*Technology/Innovation*  
Steven R. Bailey  
Sripal Bangalore  
Israel Barbash  
Stefan Bertog  
Robert Byrne  
Ronald Caputo  
Daniel Chamie  
Bernardo Cortese  
Donald E. Cutlip  
George Dangas  
Tim A. Fischell  
Steven Goldberg  
James Goldstein  
Michael Haude  
Richard Jabbour  
Edo Kaluski  
Dean Kereiakes  
Ran Kornowski  
Chaim Lotan  
Felix Mahfoud  
Ramon Quesada  
Bruno Scheller  
Michael A. Weber

*Valve & Structural*  
John Abraham  
Niv Ad  
Mrvat Alasnag  
Khaldoon Alaswad  
Rasha Al-Lamee  
David Anderson  
Ehrin Armstrong  
Lorenzo Azzalini  
Prakash Balan  
Subhash Banerjee
Sripal Bangalore
Israel Barbash
Wayne Batchelor
Anthony Bavry
Robert Beasley
Stefan Bertog
Hiram Bezerra
James Blankenship
Peter C. Block (Section Editor)
Steven Bolling
Marianne Brodmann
Robert Byrne
Paul Campbell
Ronald Caputo
João Cavalcante
Daniel Chamie
Shao-Liang Chen
Alaide Chieffo
Mehmet Cilingiroglu
Paul C. Corso
Bernardo Cortese
David Cox
Ramesh Daggubati
Haim Danenberg
George Dangas
Rajesh Dave
Charles Davidson
Michael Davidson
Jose de la Torre Hernandez
Anthony DeMaria
Carlo Di Mario
Danny Dvir
Peter Fail
El Sayed Farag
Ted Feldman
Hans Figulla
Arik Finkelstein
Aloke Finn
Bryan Fisher
Santiago Garcia
Hector Garcia-Garcia
Ian Gilchrist
Steven Goldberg
James Goldstein
Mayra Guerrero
Luis Guzman
George Hanzel
Michael Haude
Timothy Henry
Howard C. Herrmann
Ravi Hira
Aaron Horne
Akram Ibrahim
Vijay Iyer
Richard Jabbour
Ik-Kyung Jang
Allen Jeremias
Hasan Jilaihawi
Michael Joner
Ion Jovin
David Kallend
Sasko Kedev
Dean J. Kereiakes
Morton Kern
Luke Kim
Spencer King
Jacques Koolen
GUIDE FOR AUTHORS

EDITOR-IN-CHIEF Ron Waksman, MD

To Contact the Editorial Office: Jason Wermers, Managing Editor, Cardiovascular Revascularization Medicine, Washington Hospital Center 110 Irving Street, NW, Suite 4B-1 Washington, DC 20010 Tel: 202-877-2988 E-mail: jason.p.wermers@medstar.net

Cardiovascular Revascularization Medicine (CRM) is an international and multidisciplinary journal that publishes articles related to preclinical work and molecular interventions including angiogenesis, cell therapy, pharmacological interventions, restenosis management and prevention, including experiments conducted in human subjects, laboratory animals, and in vitro. Specific content areas of interest include percutaneous angioplasty in coronary and peripheral arteries, intervention in structural heart disease, cardiovascular surgery, congenital heart disease, coronary heart disease, epidemiology, genetics, health services and outcomes research, invasive imaging, molecular cardiology, preventive cardiology, and vascular medicine.

It is a condition of publication that manuscripts submitted to CRM have not been published and will not be simultaneously submitted or published elsewhere. CRM uses the "Uniform Requirements for Manuscripts Submitted to Biomedical Journals," 5th ed (N Engl J Med 1997;336:309-315) as well as the American Medical Association Manual of Style, 9th ed.

Submission checklist
You can use this list to carry out a final check of your submission before you send it to the journal for review. Please check the relevant section in this Guide for Authors for more details.

Ensure that the following items are present:

One author has been designated as the corresponding author with contact details:
• E-mail address
• Full postal address

All necessary files have been uploaded:
Manuscript:
• Include keywords
• All figures (include relevant captions)
• All tables (including titles, description, footnotes)
• Ensure all figure and table citations in the text match the files provided
• Indicate clearly if color should be used for any figures in print
Graphical Abstracts / Highlights files (where applicable)
Supplemental files (where applicable)

Further considerations
• Manuscript has been 'spell checked' and 'grammar checked'
• All references mentioned in the Reference List are cited in the text, and vice versa
• Permission has been obtained for use of copyrighted material from other sources (including the Internet)
• A competing interests statement is provided, even if the authors have no competing interests to declare
• Journal policies detailed in this guide have been reviewed
• Referee suggestions and contact details provided, based on journal requirements

For further information, visit our Support Center.

BEFORE YOU BEGIN

Ethics in publishing
Please see our information pages on Ethics in publishing and Ethical guidelines for journal publication.
**Declaration of interest**

All authors must disclose any financial and personal relationships with other people or organizations that could inappropriately influence (bias) their work. Examples of potential competing interests include employment, consultancies, stock ownership, honoraria, paid expert testimony, patent applications/registrations, and grants or other funding. Authors must disclose any interests in two places: 1. A summary declaration of interest statement in the title page file (if double-blind) or the manuscript file (if single-blind). If there are no interests to declare then please state this: 'Declaration of interest: none'. This summary statement will be ultimately published if the article is accepted. 2. Detailed disclosures as part of a separate Declaration of Interest form, which forms part of the journal's official records. It is important for potential interests to be declared in both places and that the information matches. More information.

**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, a published lecture or academic thesis, see 'Multiple, redundant or concurrent publication' for more information), 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, your article may be checked by the originality detection service Crossref Similarity Check.

**Preprints**

Please note that preprints can be shared anywhere at any time, in line with Elsevier's sharing policy. Sharing your preprints e.g. on a preprint server will not count as prior publication (see 'Multiple, redundant or concurrent publication' for more information).

**Use of inclusive language**

Inclusive language acknowledges diversity, conveys respect to all people, is sensitive to differences, and promotes equal opportunities. Articles should make no assumptions about the beliefs or commitments of any reader, should contain nothing which might imply that one individual is superior to another on the grounds of race, sex, culture or any other characteristic, and should use inclusive language throughout. Authors should ensure that writing is free from bias, for instance by using 'he or she', 'his/her' instead of 'he' or 'his', and by making use of job titles that are free of stereotyping (e.g. 'chairperson' instead of 'chairman' and 'flight attendant' instead of 'stewardess').

**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 gold 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 gold 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.
Role of the funding source
You are requested to identify who provided financial support for the conduct of the research and/or preparation of the article and to briefly describe the role of the sponsor(s), if any, in study design; in the collection, analysis and interpretation of data; in the writing of the report; and in the decision to submit the article for publication. If the funding source(s) had no such involvement then this should be stated.

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 gold open access publication fee. Details of existing agreements are available online. After acceptance, open access papers will be published under a noncommercial license. For authors requiring a commercial CC BY license, you can apply after your manuscript is accepted for publication.

Open access
This journal offers authors a choice in publishing their research:

Subscription
- Articles are made available to subscribers as well as developing countries and patient groups through our universal access programs.
- No open access publication fee payable by authors.
- The Author is entitled to post the accepted manuscript in their institution's repository and make this public after an embargo period (known as green Open Access). The published journal article cannot be shared publicly, for example on ResearchGate or Academia.edu, to ensure the sustainability of peer-reviewed research in journal publications. The embargo period for this journal can be found below.

Gold open access
- Articles are freely available to both subscribers and the wider public with permitted reuse.
- A gold open access publication fee is payable by authors or on their behalf, e.g. by their research funder or institution.

Regardless of how you choose to publish your article, the journal will apply the same peer review criteria and acceptance standards.

For gold open access articles, permitted third party (re)use is defined by the following Creative Commons user licenses:

Creative Commons Attribution-NonCommercial-NoDerivs (CC BY-NC-ND)
For non-commercial purposes, lets others distribute and copy the article, and to include in a collective work (such as an anthology), as long as they credit the author(s) and provided they do not alter or modify the article.

The gold open access publication fee for this journal is USD 2500, excluding taxes. Learn more about Elsevier's pricing policy: https://www.elsevier.com/openaccesspricing.

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 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.

This journal has an embargo period of 12 months.

Elsevier Researcher Academy
Researcher Academy is a free e-learning platform designed to support early and mid-career researchers throughout their research journey. The "Learn" environment at Researcher Academy offers several interactive modules, webinars, downloadable guides and resources to guide you through the process of writing for research and going through peer review. Feel free to use these free resources to improve your submission and navigate the publication process with ease.
Language (usage and editing services)
Please write your text in good English (American or British usage is accepted, but not a mixture of these). Authors who feel their English language manuscript may require editing to eliminate possible grammatical or spelling errors and to conform to correct scientific English may wish to use the English Language Editing service available from Elsevier's WebShop.

Submission
Our online submission system guides you stepwise through the process of entering your article details and uploading your files. The system converts your article files to a single PDF file used in the peer-review process. Editable files (e.g., Word, LaTeX) are required to typeset your article for final publication. All correspondence, including notification of the Editor's decision and requests for revision, is sent by e-mail.

Submit your article
Please submit your article via http://ees.elsevier.com/crm/.

Abstracts and Keywords: Limit the abstract to 250 words. Use the following subheadings: Background/Purpose, Methods/Materials, Results, and Conclusions. Mini-Review and Review articles do not require an abstract. Instead please add a summary less than 100 words. List 2-4 keywords at the end of the abstract/summary. Please also provide a 2-to-3-sentence summary for the annotated table of contents.

Mini-Reviews: The mini-review should include a summary (as opposed to a structured abstract), a review of the published data, a table of appropriate trials, it should be maximum 3000 words, have less than 50 references, and include case(s).

Review Articles: Highly encouraged. Trial Designs. Efficient but thorough descriptions of study protocols, including the conceptual issues underlying the hypotheses, the methodology, and planned analysis of a trial. An important part of the evaluation of trial design papers pertains to the likely ability of the investigators to complete the trial as planned. Papers should include target sample size information along with a timeline for enrollment and follow-up. If the trial has already begun enrollment, provide number of patients enrolled as of the date of manuscript submission.

PREPARATION

Peer review
This journal operates a single blind review process. All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then typically sent to a minimum of two independent expert reviewers to assess the scientific quality of the paper. The Editor is responsible for the final decision regarding acceptance or rejection of articles. The Editor's decision is final. More information on types of peer review.

Use of word processing software
It is important that the file be saved in the native format of the word processor used. The text should be in single-column format. Keep the layout of the text as simple as possible. Most formatting codes will be removed and replaced on processing the article. In particular, do not use the word processor's options to justify text or to hyphenate words. However, do use bold face, italics, subscripts, superscripts etc. When preparing tables, if you are using a table grid, use only one grid for each individual table and not a grid for each row. If no grid is used, use tabs, not spaces, to align columns. The electronic text should be prepared in a way very similar to that of conventional manuscripts (see also the Guide to Publishing with Elsevier). Note that source files of figures, tables and text graphics will be required whether or not you embed your figures in the text. See also the section on Electronic artwork.
To avoid unnecessary errors you are strongly advised to use the 'spell-check' and 'grammar-check' functions of your word processor.

Article structure
Subdivision - unnumbered sections
Divide your article into clearly defined sections. Each subsection is given a brief heading. Each heading should appear on its own separate line. Subsections should be used as much as possible when cross-referencing text: refer to the subsection by heading as opposed to simply 'the text'.

Introduction
State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

Material and methods
Provide sufficient details to allow the work to be reproduced by an independent researcher. Methods that are already published should be summarized, and indicated by a reference. If quoting directly from a previously published method, use quotation marks and also cite the source. Any modifications to existing methods should also be described.

Results
Results should be clear and concise.

Discussion
This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

Conclusions
The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

Essential title page information
• Title. Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.
• Author names and affiliations. Please clearly indicate the given name(s) and family name(s) of each author and check that all names are accurately spelled. You can add your name between parentheses in your own script behind the English transliteration. Present the authors' affiliation addresses (where the actual work was done) below the names. Indicate all affiliations with a lower-case superscript letter immediately after the author's name and in front of the appropriate address. Provide the full postal address of each affiliation, including the country name and, if available, the e-mail address of each author.
• Corresponding author. Clearly indicate who will handle correspondence at all stages of refereeing and publication, also post-publication. This responsibility includes answering any future queries about Methodology and Materials. Ensure that the e-mail address is given and that contact details are kept up to date by the corresponding author.
• Present/permanent address. If an author has moved since the work described in the article was done, or was visiting at the time, a 'Present address' (or 'Permanent address') may be indicated as a footnote to that author's name. The address at which the author actually did the work must be retained as the main, affiliation address. Superscript Arabic numerals are used for such footnotes.

Abbreviations
Define abbreviations that are not standard in this field in a footnote to be placed on the first page of the article. Such abbreviations that are unavoidable in the abstract must be defined at their first mention there, as well as in the footnote. Ensure consistency of abbreviations throughout the article.

Acknowledgements
Collate acknowledgements in a separate section at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).

Formatting of funding sources
List funding sources in this standard way to facilitate compliance to funder's requirements:

Funding: This work was supported by the National Institutes of Health [grant numbers xxxx, yyyy]; the Bill & Melinda Gates Foundation, Seattle, WA [grant number zzzz]; and the United States Institutes of Peace [grant number aaaa].

It is not necessary to include detailed descriptions on the program or type of grants and awards. When funding is from a block grant or other resources available to a university, college, or other research institution, submit the name of the institute or organization that provided the funding.

If no funding has been provided for the research, please include the following sentence:
This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.

**Artwork**

*Electronic artwork*

**General points**

- Make sure you use uniform lettering and sizing of your original artwork.
- Embed the used fonts if the application provides that option.
- Aim to use the following fonts in your illustrations: Arial, Courier, Times New Roman, Symbol, or use fonts that look similar.
- Number the illustrations according to their sequence in the text.
- Use a logical naming convention for your artwork files.
- Provide captions to illustrations separately.
- Size the illustrations close to the desired dimensions of the published version.
- Submit each illustration as a separate file.

A detailed guide on electronic artwork is available.

**You are urged to visit this site; some excerpts from the detailed information are given here.**

**Formats**

If your electronic artwork is created in a Microsoft Office application (Word, PowerPoint, Excel) then please supply 'as is' in the native document format.

Regardless of the application used other than Microsoft Office, when your electronic artwork is finalized, please 'Save as' or convert the images to one of the following formats (note the resolution requirements for line drawings, halftones, and line/halftone combinations given below):

- EPS (or PDF): Vector drawings, embed all used fonts.
- TIFF (or JPEG): Color or grayscale photographs (halftones), keep to a minimum of 300 dpi.
- TIFF (or JPEG): Bitmapped (pure black & white pixels) line drawings, keep to a minimum of 1000 dpi.
- TIFF (or JPEG): Combinations bitmapped line/half-tone (color or grayscale), keep to a minimum of 500 dpi.

Please do not:

- Supply files that are optimized for screen use (e.g., GIF, BMP, PICT, WPG); these typically have a low number of pixels and limited set of colors;
- Supply files that are too low in resolution;
- Submit graphics that are disproportionately large for the content.

**Color artwork**

Please make sure that artwork files are in an acceptable format (TIFF (or JPEG), EPS (or PDF), or MS Office files) and with the correct resolution. If, together with your accepted article, you submit usable color figures then Elsevier will ensure, at no additional charge, that these figures will appear in color online (e.g., ScienceDirect and other sites) regardless of whether or not these illustrations are reproduced in color in the printed version. For color reproduction in print, you will receive information regarding the costs from Elsevier after receipt of your accepted article. Please indicate your preference for color: in print or online only. Further information on the preparation of electronic artwork.

**Illustration services**

Elsevier's WebShop offers Illustration Services to authors preparing to submit a manuscript but concerned about the quality of the images accompanying their article. Elsevier's expert illustrators can produce scientific, technical and medical-style images, as well as a full range of charts, tables and graphs. Image 'polishing' is also available, where our illustrators take your image(s) and improve them to a professional standard. Please visit the website to find out more.

**Figure captions**

Ensure that each illustration has a caption. Supply captions separately, not attached to the figure. A caption should comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

**Tables**

Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the article, or on separate page(s) at the end. Number tables consecutively in accordance with their appearance in the text and place any table notes below the table body. Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article. Please avoid using vertical rules and shading in table cells.
References

Citation in text
Please ensure that every reference cited in the text is also present in the reference list (and vice versa). Any references cited in the abstract must be given in full. Unpublished results and personal communications are not recommended in the reference list, but may be mentioned in the text. If these references are included in the reference list they should follow the standard reference style of the journal and should include a substitution of the publication date with either 'Unpublished results' or 'Personal communication'. Citation of a reference as 'in press' implies that the item has been accepted for publication.

Reference links
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, publication year and pagination may prevent link creation. When copying references, please be careful as they may already contain errors. Use of the DOI is highly encouraged.

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.

Web references
As a minimum, the full URL should be given and the date when the reference was last accessed. Any further information, if known (DOI, author names, dates, reference to a source publication, etc.), should also be given. Web references can be listed separately (e.g., after the reference list) under a different heading if desired, or can be included in the reference list.

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.

References in a special issue
Please ensure that the words 'this issue' are added to any references in the list (and any citations in the text) to other articles in the same Special Issue.

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. Using citation 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. If you use reference management software, please ensure that you remove all field codes before submitting the electronic manuscript. More information on how to remove field codes from different reference management software.

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/cardiovascular-revascularization-medicine
When preparing your manuscript, you will then be able to select this style using the Mendeley plug-ins for Microsoft Word or LibreOffice.

Reference style
Text: Indicate references by number(s) in square brackets in line with the text. The actual authors can be referred to, but the reference number(s) must always be given.
List: Number the references (numbers in square brackets) in the list in the order in which they appear in the text.
Examples:
Reference to a journal publication:
Reference to a journal publication with an article number:
Reference to a book:
Reference to a chapter in an edited book:
Reference to a website:
Reference to a dataset:
Note shortened form for last page number. e.g., 51–9, and that for more than 6 authors the first 6 should be listed followed by ‘et al.’ For further details you are referred to 'Uniform Requirements for Manuscripts submitted to Biomedical Journals' (J Am Med Assoc 1997;277:927–34) (see also Samples ofFormattedReferences).

Journal abbreviations source
Journal names should be abbreviated according to the List of Title Word Abbreviations.

Video
Elsevier accepts video material and animation sequences to support and enhance your scientific research. Authors who have video or animation files that they wish to submit with their article are strongly encouraged to include links to these within the body of the article. This can be done in the same way as a figure or table by referring to the video or animation content and noting in the body text where it should be placed. All submitted files should be properly labeled so that they directly relate to the video file's content. In order to ensure that your video or animation material is directly usable, please provide the file in one of our recommended file formats with a preferred maximum size of 150 MB per file, 1 GB in total. Video and animation files supplied will be published online in the electronic version of your article in Elsevier Web products, including ScienceDirect. Please supply 'stills' with your files: you can choose any frame from the video or animation or make a separate image. These will be used instead of standard icons and will personalize the link to your video data. For more detailed instructions please visit our video instruction pages. Note: since video and animation cannot be embedded in the print version of the journal, please provide text for both the electronic and the print version for the portions of the article that refer to this content.

Data visualization
Include interactive data visualizations in your publication and let your readers interact and engage more closely with your research. Follow the instructions here to find out about available data visualization options and how to include them with your article.

Supplementary material
Supplementary material such as applications, images and sound clips, can be published with your article to enhance it. Submitted supplementary items are published exactly as they are received (Excel or PowerPoint files will appear as such online). Please submit your material together with the article and supply a concise, descriptive caption for each supplementary file. If you wish to make changes to supplementary material during any stage of the process, please make sure to provide an updated file. Do not annotate any corrections on a previous version. Please switch off the 'Track Changes' option in Microsoft Office files as these will appear in the published version.

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.

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.

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.