DESCRIPTION

_Seminars in Nephrology_ is a timely source for the publication of new concepts and research findings relevant to the clinical practice of _nephrology_. Each issue is an organized compendium of practical information that serves as a lasting reference for nephrologists, internists and physicians in training.

**Benefits to authors**

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

If you require any further information or help, please visit our Support Center

IMPACT FACTOR

2017: 3.350 © Clarivate Analytics Journal Citation Reports 2018

ABSTRACTING AND INDEXING

MEDLINE®
Current Contents/Clinical Medicine
Science Citation Index
EMBASE

EDITORIAL BOARD

_Editor_
Joseph V. Bonventre, MD, PhD, Samuel A. Levine Professor of Medicine; Chief, Renal Division; and Chief, Division of Engineering in Medicine, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA

_Editorial Advisory Board_
Glenn Chertow, MD, San Francisco
Benjamin Humphreys, MD, PhD, Boston
Adeera Levin, MD, Vancouver
John Sedor, MD, Cleveland
Stuart Shankland, MD, Seattle
Myles Wolf, MD, Miami
GUIDE FOR AUTHORS

INTRODUCTION

**Seminars in Nephrology** is a topical journal that provides scholarly review articles focusing on subjects of current importance in clinical nephrology, kidney research and related fields. Each issue examines a single topic and is meant to keep the practicing nephrologist up to date on the clinical relevance of new investigations and the scientific underpinnings of nephrology. The journal covers all aspects of the clinical practice of nephrology.

**Submission Information**

Each issue of Seminars in Nephrology is devoted to a specific topic. The Guest Editor of each issue invites contributors who are experts in the field to submit manuscripts. Invited authors will find manuscript preparation guidelines and other publishing information in this document. Suggestions for future topics are welcome and may be sent to the Editor.

**Deadline**

It is of utmost importance to submit your manuscript, complete with all figures and tables (and written permission to reproduce them when required), to the Guest Editor by the specified deadline. This deadline provides time for the Guest Editor and Dr. Bonventre to review your manuscript and forward it to the publisher in time for prompt publication. It will also allow time for any revisions to your manuscript should they be necessary. Please contact the Guest Editor if you are unsure about the deadline.

BEFORE YOU BEGIN

**Ethics in publishing**

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

**Conflict of Interest**

All authors must disclose on the title page of their article any financial and personal relationships with other people or organizations that could inappropriately influence (bias) their work. Examples of potential conflicts of interest include employment, consultancies, stock ownership, honoraria, paid expert testimony, patent applications/registrations, and grants or other funding.

**Submission declaration**

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.

**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
Please send your manuscript and figures, and letters of permission for previously published figures and tables to the Guest Editor who has invited you to contribute. Manuscripts and figures should be sent electronically. Figures submitted electronically should be in a separate file.

PREPARATION
All components of the electronic manuscript must appear within a single electronic file: references, figure legends, and tables must appear at the end of the manuscript.

Your manuscript should consist of the following elements, each starting on a separate page: • Title page • Abstract and key words • Body of manuscript • References • Figure legends • Figures (with permissions for reuse, if required) • Tables (with permissions for reuse, if required) • Supplemental materials for online-only publication, if desired

All parts of the manuscript (including references and legends) should be prepared double-spaced, with a full line of space after every line and with 1.5-inch margins on both sides and at the top and bottom of every page. Your abstract should not be more than 200 words. Key words should be a list of three to five important words or phrases for indexing.

All DRUG NAMES cited in the manuscript should be generic, followed by brand name, manufacturer, city, and state (or country, if not U.S.) in parentheses.

Please explain all abbreviations in parentheses the first time they are used in the text.

ESTIMATING MANUSCRIPT LENGTH
Please adhere to the estimated number of printed pages the Guest Editor has specified for your article. We are counting on your cooperation in remaining within this allocation and within our budget of 80 printed pages per issue for Seminars in Nephrology. Please contact the Guest Editor if you are unsure of the appropriate length for your article. As a rule, your manuscript should have at least 20 double-spaced pages of text and not more than 25 double-spaced pages, excluding references. Figures and tables must total at least 4 for the submission. Your total number of references should not exceed 100.
The following approximations are offered to help you calculate the appropriate length of your manuscript: 3 8 ½ x 11-inch pages, double-spaced, with 1.5- inch margins, in standard 10- or 12-point word processor type (approx. 250 words per page) =1 printed page 35 references (all lines double-spaced) =1 printed page 4 tables or figures with legends =1 printed page

Example: A manuscript contains 21 pages of text with 35 references and 4 tables: 21 pages of text =7 printed pages 4 figures or tables =1 printed page 35 references =1 printed page Total =9 printed pages

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'.

Essential Title Page Information
On the TITLE PAGE, please include all of the following information: 1. The names, degrees, and professional affiliations (position, department, institution, place) of all authors. 2. The name of the institution where the work reported was done ("From..."). 3. Acknowledgement of grant support when appropriate ("Supported in part by... "). 4. The corresponding author’s telephone and fax numbers, email address, and complete mailing address (including U.S. zip code or other countries’ postal code), for reprint requests and other correspondence.

Abstract
The abstract should state briefly the status of the field being reviewed, the importance to clinical medicine and exciting and novel new directions integrating science and clinical nephrology. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, references should be avoided, but if essential, then cite the author(s) and year(s). Also, nonstandard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

Keywords
Immediately after the abstract, provide a maximum of 6 keywords, using American spelling and avoiding general and plural terms and multiple concepts (avoid, for example, ‘and’, 'of'). Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible. These keywords will be used for indexing purposes.

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 funding sources as well as 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.
Units
Follow internationally accepted rules and conventions: use the international system of units (SI). If other units are mentioned, please give their equivalent in SI.

Math formulae
Please submit math equations as editable text and not as images. Present simple formulae in line with normal text where possible and use the solidus (/) instead of a horizontal line for small fractional terms, e.g., X/Y. In principle, variables are to be presented in italics. Powers of e are often more conveniently denoted by exp. Number consecutively any equations that have to be displayed separately from the text (if referred to explicitly in the text).

Footnotes
Footnotes should be used sparingly. Number them consecutively throughout the article. Many word processors can build footnotes into the text, and this feature may be used. Otherwise, please indicate the position of footnotes in the text and list the footnotes themselves separately at the end of the article. Do not include footnotes in the Reference list.

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 in the Figure Legends section of the manuscript.
• Size the illustrations close to the desired dimensions of the printed version.
• Submit each illustration as a separate file.
A detailed guide on electronic artwork is available on our website: https://www.elsevier.com/artworkinstructions

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 legends

Ensure that each illustration has a legend. Supply legends separately, not attached to the figure. A legend 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.

Permissions

If any illustration or table has been previously published, a copy of the letter of PERMISSION to reprint from the copyright holder must accompany the manuscript (a sample Permission Request Form can be found at https://www.elsevier.com/journal-authors/obtain-permission). The source of the illustration or table should be included in the reference section of the manuscript. The legend should conclude with "Reprinted with permission" followed by the reference number, eg, "Reprinted with permission.23" Authors are responsible for any permission fees requested by the copyright holder.

Do not submit the same illustration or table simultaneously to two publishers on the assumption that one article will publish before the other and that the publisher of the first article will grant permission for reuse of the material. Publication of one article may be delayed unexpectedly, necessitating withdrawal of material from the other article at a late stage of production, which would delay publication of the issue.

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 numbers (citations) in the text follow numerical order and should be superscripted. References are listed according to their order in the text, not in alphabetical order. The maximum number of references is 100.

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., Ambhe 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.

Please note that manuscripts in press may be referenced; however, manuscripts that have been submitted for publication but not yet accepted should not be referenced. All references must be complete when the manuscript is submitted.
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 this issue
When referring to another article in the Seminars issue, incorporate it as an In Press article and the page numbers will be added by the editorial staff prior to printing.

Reference style
Text: Indicate references by (consecutive) superscript arabic numerals in the order in which they appear in the text. The numerals are to be used outside periods and commas, inside colons and semicolons. For further detail and examples you are referred to the AMA Manual of Style, A Guide for Authors and Editors, Tenth Edition, ISBN 0-978-0-19-517633-9.
List: Number the references 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:

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.
**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.

**Submission Checklist**

The following list will be useful during the final checking of an article prior to sending it to the journal for review. Please consult this Guide for Authors for further details of any item.

- **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
  - Phone numbers
  - Disk is enclosed
  - The electronic version and the hardcopy of the manuscript are identical
  - Disk has been labelled with
    - article details (first author, first words of title)
    - file name(s)
    - media format (e.g., PC, Mac)
    - file format (e.g., Word, LaTeX)
  - All text pages
  - Keywords
  - Original artwork (high-quality prints)
  - All figure captions
  - All tables (including title, description, footnotes)

**Further considerations**

- Manuscript has been 'spell-checked' and 'grammar-checked'
- References are in the correct format for this journal
- 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 Web)
- Color figures are clearly marked as being intended for color reproduction on the Web (free of charge) and in print (a charge will apply), or to be reproduced in color on the Web (free of charge) and in black-and-white in print
- If only color on the Web is required, black and white versions of the figures are also supplied for printing purposes

For any further information please visit our customer support site at: [http://support.elsevier.com](http://support.elsevier.com).

**AFTER ACCEPTANCE**

**Proofs**

One set of page proofs (as PDF files) will be sent by e-mail to the corresponding author (if we do not have an e-mail address then paper proofs will be sent by post) or, a link will be provided in the e-mail so that authors can download the files themselves. Elsevier now provides authors with PDF proofs which can be annotated; for this you will need to [download the free Adobe Reader](http://www.adobe.com/products/reader/), version 9 (or higher). Instructions on how to annotate PDF files will accompany the proofs (also given online).

The exact system requirements are given at the Adobe site.

If you do not wish to use the PDF annotations function, you may list the corrections (including replies to the Query Form) and return them to Elsevier in an e-mail. Please list your corrections quoting line number. If, for any reason, this is not possible, then mark the corrections and any other comments (including replies to the Query Form) on a printout of your proof and scan the pages and return via e-mail.

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. We will do everything possible to get your article published quickly and accurately. 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.

Three free copies of the issue will also be sent to the corresponding author of each article.
Offprints
The corresponding author will, at no cost, receive a customized Share Link providing 50 days free access to the final published version of the article on ScienceDirect. The Share Link can be used for sharing the article via any communication channel, including email and social media. For an extra charge, paper offprints can be ordered via the offprint order form which is sent once the article is accepted for publication. Both corresponding and co-authors may order offprints at any time via Elsevier’s Webshop. Corresponding authors who have published their article gold open access do not receive a Share Link as their final published version of the article is available open access on ScienceDirect and can be shared through the article DOI link.

AUTHOR INQUIRIES
If you have any questions about the content of your article, its length, or the deadline, please contact the Guest Editor who has invited you to contribute.

If you have specific questions about manuscript preparation or publication procedures, contact: Jennifer Moulder, Journal Manager, Tel/Fax: (610) 321-9865, Email: j.moulder@elsevier.com

© Copyright 2018 Elsevier | https://www.elsevier.com