

JEAMS

SUBMISSION GUIDELINES

The information provided in this document is subject to change without notice. Information may be changed or updated without notice.

Our author instructions and submission guidelines are similar to those of other well known print journals. Like other journals, JEAMS will ask authors to sign a Conflict of Interest (COI) disclosure, to use established public repositories for cell lines, to follow the REMARK guidelines for reporting tumor markers prognostic studies, to provide evidence of informed consent from human subjects, to register prospective clinical trials, to conform to the CONSORT guidelines for phase II and phase III clinical trials, etc..

Manuscripts are considered for publication with the understanding that no part of the work has been published previously in print or electronic format and the paper is not under consideration by another publication or electronic medium. JEAMS will not consider papers previously posted on a pre-print server such as arXiv or bioRxiv.

COLUMNS

Limited to one page, 800 words, and 3 photos or exhibits. Use standard fonts like Times and Symbol. Technical terms should be defined. Symbols, abbreviations, and acronyms should be defined the first time they are used. Use double spacing throughout the text, tables, figure legends. The submission should be a Word or PDF formatted for U.S. letter paper.

Although columns on news or policy are often published in other academic journals, JEAMS instead prefers columns on STEM topics authored by staff / faculty or industry. Nobel Prize winners, professor emeriti, heads of prestigious private foundations and public charities, etc. will be allowed to write columns which are informal in nature, e.g. interview, or sharing stories and giving advice to young scientists

Most of the columns will be the result of our editors actively inviting authors to write one page columns on specific topics. However beyond the columns written by the chapter officers of the Epsilon Alpha Mu honor society, there is no fixed number of columns to publish in a particular issue, thus JEAMS welcomes inquiries to author a column.

INTERESTING IMAGES OR CLINICAL CASE REPORTS

Limited to 1 page, 800 words, 4 exhibits, and up to 12 references. Use standard fonts like Times and Symbol. Technical terms should be defined. Symbols, abbreviations, and acronyms should be defined the first time they are used. Use double spacing throughout the text, tables, figure legends. The submission should be a Word or PDF formatted for U.S. letter paper.

Interesting Images can be basic science (astronomy, physics instrumentation, histology / pathology, etc.), translational science / animals, or clinical science / humans. The background, analysis, and discussion of an unusual or puzzling image would be described. In order to provide some freedom to the author, we impose no fixed structure on the writeup of Interesting Images.

Clinical Case Reports are always clinical in nature, and consider the step-by-step process of clinical decision making. Information about a patient is presented to an expert clinician in stages to simulate the way clinical information emerges in clinical practice. As new information is presented, that clinician shares the clinical reasoning with the readers. However, in order to provide some freedom to the author, we impose no fixed structure on the writeup of Clinical Case Reports.

While medical school faculty or attending level physicians are preferred, JEAMS will consider the primary author who is a medical student or resident or fellow when co-authored with medical school faculty or attending level physician(s).

REVIEW ARTICLES

Limited to 8 pages, 4,000 words, 5 exhibits, and up to 50 references. Use standard fonts like Times and Symbol. Technical terms should be defined. Symbols, abbreviations, and acronyms should be defined the first time they are used. Use double spacing throughout the text, tables, figure legends. The submission should be a Word as well as PDF formatted for U.S. letter paper.

While an author would ideally obtain JEAMS pre-approval for a particular topic before actually writing a review article, JEAMS welcomes unsolicited review articles. We are willing to publish more than one review article per issue, because JEAMS does not limit the number of review articles.

Although often written on a medical topic, JEAMS review articles can also cover topics in technology, engineering, and mathematics. In line with this flexibility, we impose no fixed structure on the review article.

While the author of a review article should follow the relevant submission guidelines of an original article (see below), the author will be given some freedom to create different sections and subheadings.

ORIGINAL ARTICLES - INITIAL SUBMISSIONS

Minimum of 3 to 4 pages, 1,500 words, 4 exhibits, and roughly 25 references. If TeX/LaTeX was used to prepare the manuscript, the document will need to be converted to Word before submission.

The main manuscript should be a single file complete with figures, figure legends, and tables in Word as well as PDF formatted for U.S. letter paper. The Supplementary Information (SI) appendix should be submitted as a single separate file in Word as well as PDF. Every cited reference must be submitted as a PDF file.

For mathematical symbols, Greek letters and other special characters, please use Symbol font or some standard font like Times. Word Equation Editor/MathType should be used only for formulae that cannot be produced using normal text or Symbol font.

Use double spacing throughout the text, tables, figure legends, and References. Each figure should be on its own page and on the same page with its corresponding legend.

Technical terms should be defined. Symbols, abbreviations, and acronyms should be defined the first time they are used. All tables and figures should be cited in numerical order.

Manuscripts must include the following sections:

- Title page
- Abstract
- Introduction
- Results
- Discussion
- Methods
- Author contributions
- Acknowledgments
- References
- Figures and figure legends (if applicable)
- Tables (if applicable)

TITLE PAGE

Title

The manuscript title should be clear, concise, descriptive, and limited to approximately 15 words or 96 characters including spaces and conjunctions. Colons are acceptable, but subtitles and nonstandard abbreviations are unacceptable. Titles must fit on two lines in print and should avoid technical terms, abbreviations and active verbs.

Authors and affiliations

List the first and last names of all the authors, as well as their affiliations (departments, institutions, and locations) during the period when the work was performed. Using superscript numbers (1, 2, 3, etc.), assign affiliation footnotes consecutively. If any author's affiliation has changed since completion of the work, specify the present affiliation and location below the numbered list.

If the author list includes a consortium / study group as author without specifying the individuals' names, list the members of each consortium named and their affiliations in the Supplemental Information material. In the Acknowledgments section, add the following sentence: "See Acknowledgments in Supplemental Information for consortium details."

The sole corresponding author should be identified with an asterisk. Provide the complete name, address, telephone number (including country code, where applicable), and email address of the corresponding author.

Conflict of interest statement

Provide a statement consistent with the JEAMS conflict of interest policy. If no author has a conflict, include the following: "The authors have declared that no conflicts of interest exist."

ABSTRACT

JEAMS allows a variety of structured abstracts with distinct, labeled sections. The IMRaD format (Introduction, Methods, Results, and Discussion) is appropriate for original investigations. The CONSORT (Consolidated Standards of Reporting Trials) Group guidelines are appropriate for report randomized controlled trials (RCTs). The structured abstract of no more than 250 words should contain the following sections:

Background. This section provides context for the study, and states the study's primary objective or hypothesis in 1–2 sentences.

Methods. This section describes the basic procedures used during the study, including selection of study subjects, observational and analytical methods. This section defines the primary outcomes that were measured for each group of subjects.

Results. This section summarizes the main findings, including specific effect sizes and their statistical significance, if possible. If relevant, this section includes the number of participants in each group, the primary outcome for each group, and any significant adverse events or side effects.

Conclusion. In 1–2 sentences, this section states the principal conclusions, emphasizing new and important aspects of the study or observations.

The abstract may not contain any primary data or references. All nonstandard abbreviations must be defined.

MAIN TEXT

Subheadings should be descriptive clauses, not full sentences. Two levels of subheadings are allowed, but not preferred.

Except for units of measurement, abbreviations are strongly discouraged. Except for units of measurement, the first time an abbreviation appears, it should be preceded by the words for which it stands. Nonstandard abbreviations are defined at first mention, with the abbreviated form appearing in parentheses. Thereafter, they should be used without definition.

A declaration of approval of human and animal studies by the appropriate institutional review board(s) must be made in a stand-alone paragraph entitled, "Study Approval," at the end of the Methods section. In the case of human studies, this includes a statement indicating that written informed consent was received from participants prior to inclusion in the study.

AUTHOR CONTRIBUTIONS

This paragraph titled specifies how each author (identified by initials) contributed to the manuscript. Examples include designing research studies, conducting experiments, acquiring data, analyzing data, providing reagents, and writing the manuscript. Multiple contributions may be listed for a single individual, and more than one individual may be associated with a single contribution.

ACKNOWLEDGMENTS

An Acknowledgments paragraph states sources of support in the form of grants, equipment, or drugs. Other appropriate acknowledgments may also be included, e.g. to other scientists for their help or advice.

REFERENCES

Because JEAMS is planning to get these published articles indexed on the U.S. government's National Institutes of Health's PubMed as well as National Science Foundation's Public Access Repository (NSF-PAR), authors in any field of science must follow the ANSI standard style adapted by the National Library of Medicine (NLM) for its databases.

A free copy of NLM's Citing Medicine: The NLM Style Guide for Authors, Editors, and Publishers, 2nd edition, is available at <http://www.nlm.nih.gov/citingmedicine/> or can be downloaded from <https://www.ncbi.nlm.nih.gov/books/n/citmed/pdf/>

The specific section on the citation of journal articles is found at <https://www.ncbi.nlm.nih.gov/books/NBK7282/> or can be downloaded from https://www.ncbi.nlm.nih.gov/books/NBK7282/pdf/Bookshelf_NBK7282.pdf

Journal names should be abbreviated according to the NLM catalog.

References are numbered in the order in which they are cited, first through the text, then through the figure and table legends and finally through Supplementary Materials. Place citation numbers within parentheses, italicized. Please do not use superscripts.

List all authors when there are six or fewer; when there are seven or more, list the first three, followed by "et al." Otherwise, do not use op. cit., *ibid.*, or et al. in place of the complete list of authors' names.

JEAMS does not allow citation to personal communications, and unpublished or "in press" references are not allowed at the time of publication.

FIGURES AND FIGURE LEGENDS

Figures

High resolution image files are not required at initial submission, but please ensure images are of sufficient resolution for referees to properly assess the data. After a positive peer review, authors will be required to submit high resolution figures.

Each figure (including all parts, if applicable) with corresponding legend must be presented on its own page.

Figures should be called out within the text. Figures should be numbered in the order of their citation in the text.

Standard abbreviations are used whenever possible.

Avoid gratuitous use of color or borders. Avoid use of bold type in figure labels. Whenever possible, do not place labels over any part of a color figure. Do not include tabular material within figures.

The exact number of samples (n) is included for each figure panel presenting multiple samples.

Figure legends

Figure legends of up to 300 words each should begin with a short title for the whole figure and continue with a short statement of what is depicted in the figure, not the results or data of the experiment or the methods used. Legends should be detailed enough so that each figure and caption can be understood in isolation from the main text.

Figure legends should be double spaced in numerical order.

Nomenclature, abbreviations, symbols, and units used in a figure should match those used in the text. Any individually labeled figure parts or panels (A, B, C, etc.) should be specifically described by part name within the legend.

Please describe the statistical test used, and include a key to any symbols used.

Scale bars are defined in the figure legends, not in the figures themselves.

TABLES

Tables are self-contained and self-explanatory. Tables should be included after the references and should supplement, not duplicate, the text.

Double space tables (including any footnotes).

Tables are accompanied by brief titles. Tables with sections (for example, Table 1A, 1B, 1C) are not acceptable. Each table must be presented complete on its own page.

The first sentence of the table legend should be a brief descriptive title. Every vertical column should have a heading, consisting of a title with the unit of measure in parentheses. Units should not change within a column.

Footnotes should contain information relevant to specific entries or parts of the table. Footnotes are assigned as superscript capital letters starting with A and continuing in alphabetical order.