

Authors submission instructions

General Considerations

Authors must furnish comprehensive experimental details to facilitate the reproducibility of results. MEDICINE IN EVOLUTION mandates the inclusion of all experimental controls and encourages authors to make complete datasets available whenever feasible.

Article: These manuscripts present original research findings. They should detail scientifically valid experiments and contribute significantly to the existing knowledge base. The inclusion of up-to-date and pertinent references is essential. The recommended structure comprises an *Abstract, Keywords, Introduction, Materials and Methods, Results, Discussion, and, Conclusions* sections, with a minimum word count of 4000 words.

Review: Reviews provide an extensive examination of the existing literature in a particular field, highlighting gaps or current issues. They should present a critical analysis and provide constructive feedback, along with suggestions for future research directions. Submission of new, unpublished data is discouraged. The structure may include an *abstract, keywords, introduction, relevant sections, discussion, conclusions and future directions*, with a suggested minimum word count of 4000 words

Case reports provide a comprehensive description of an individual patient's symptoms, signs, diagnosis, treatment (including all interventions) and outcomes. They usually elucidate new or *rare conditions*, contributing to *advances in medical practice* or shedding light on diagnostic methodologies. The structure of case reports differs from that of standard articles and includes an abstract, keywords, introduction, detailed case description, discussion and conclusions, with a suggested minimum word count of 2500 words. It is essential to exercise caution when submitting case reports, ensuring that appropriate consent for publication has been obtained from the patients involved.

FRONT MATTER

These sections should appear in all manuscript types

Title: The title of your manuscript should be *clear, concise, and directly relevant* to the content. If your study involves trial data (human or animal), systematic reviews, meta-analyses, or replication studies, please ensure this is indicated in the title. Additionally, when referencing gene or protein names, please use abbreviated forms rather than full names. Avoid including any abbreviated or short forms of the title, such as running titles or heads, as these will be removed by our Editorial Office.

Author List and Affiliations: Authors should provide their full first and last names, with the option to include initials of any middle names. *Affiliations* must include the department (if available), institution, and complete address, including city, zip code, state/province, and country. At least one author must be identified as the corresponding author. *The corresponding author's contact details, including email and telephone number, should be provided at the end of the affiliation section.* For authors who contributed equally, they should be marked with a

superscript symbol (†) below the affiliations. The statement "These authors contributed equally to this work" must be included. Additionally, equal contributions should be adequately disclosed in the author contributions statement.

Abstract: The abstract *should not exceed 200 words in total*. It should be presented as *a single paragraph* and structured following the format of structured abstracts, but without individual headings. *1. Background/Objectives:* Introduce the purpose of the study, including the research question(s), and provide relevant contextual information. *2. Methods:* Briefly outline the main methods or treatments utilized in the study. Include any pertinent preregistration numbers and specify the species and strains of any animals involved. *3. Results:* Summarize the primary findings of the article. *4. Conclusion:* Provide the main takeaways and interpretations derived from the study. *The abstract should offer an objective representation of the article, refraining from including results that are not presented and substantiated in the main text.*

Keywords: Three to ten pertinent keywords need to be added after the abstract. We recommend that the keywords are specific to the article, yet reasonably common within the subject discipline.

RESEARCH MANUSCRIPT SECTIONS

Introduction: The introduction section serves to provide a concise overview of the study's broader context and underscore its significance. It should outline the purpose of the work, including the *specific hypotheses being tested, and articulate its relevance*. Careful consideration of the current state of the research field is essential, with key publications cited to contextualize the study. Controversial or diverging hypotheses should be highlighted where applicable. Additionally, briefly outlining *the primary aim of the work and highlighting the main conclusions is advised*. The introduction should maintain comprehensibility for scientists working outside the paper's specific topic.

Materials and Methods: The methods should be presented in a manner that provides *ample detail for others to replicate and extend upon the published results*. Newly developed methods and protocols should be described comprehensively, while established methods can be summarized briefly and referenced appropriately. It is important to specify the name and version of any software utilized and indicate the availability of computer code used. Additionally, inclusion of pre-registration codes is encouraged.

Results: Provide a *concise and precise description* of the experimental results, their interpretation as well as the experimental conclusions that can be drawn.

Discussion: Authors are expected to analyze the results and interpret them in the context of previous studies and the working hypotheses. The discussion should encompass the findings and their implications within the widest possible context, while also acknowledging the limitations of the work. Suggestions for future research directions may also be included.

Conclusions: Conclusions *should be concise, underlining the most significant results and their value for the research community*.

Patents: This section is not mandatory but may be added if there are patents resulting from the work reported in this manuscript.

References: A numbered list of references must be provided at the end of the paper. The list should be arranged in the order of citation in the text of the publication, assignment or essay, not in alphabetical order (*according to the Vancouver rules*). List only one reference per reference number. It is very important that you use the correct punctuation and that the order of details in the references is also correct.

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- We recommend the use of bibliometric systems like: **ZOTERO, MANDELAY etc.**

BACK MATTER

Supplementary Materials: Detail any additional content published online in relation with the manuscript, including figures, tables, videos, spreadsheets, etc. Please clearly indicate the name and title of each element using the format: Figure S1: [title], Table S1: [title], etc.

Author Contributions: Each author is expected to have contributed significantly to the conception or design of the work, the acquisition, analysis, or interpretation of data, the creation of new software used in the work, or the drafting or substantive revision of the manuscript. Furthermore, authors must have approved the submitted version of the manuscript, including any versions substantially edited by journal staff that involve the author's contribution to the study. Authors also agree to be personally accountable for their own contributions and to ensure that questions related to the accuracy or integrity of any part of the work, even those in which the author was not directly involved, are appropriately investigated, resolved, and documented in the literature. For articles with several authors, a statement regarding their contribution should be included, by following this model: "Conceptualization, X.X. and Y.Y.; Methodology, X.X.; Software, X.X.; Validation, X.X., Y.Y. and Z.Z.; Formal Analysis, X.X.; Investigation, X.X.; Resources, X.X.; Data Curation, X.X.; Writing – Original Draft Preparation, X.X.; Writing – Review & Editing, X.X.; Visualization, X.X.; Supervision, X.X.; Project Administration, X.X.; Funding Acquisition, Y.Y."

Funding: All sources of funding must be transparently disclosed. Grants supporting the research must be explicitly identified, specifying the funding institution or entity. If the research did not receive any external funding, please include the statement: "This research received no external funding."

AcknowledgmentsIn this section, you have the opportunity to express appreciation for any assistance provided that may not be covered in the author contributions or funding sections. This could encompass administrative and technical support, as well as in-kind donations such as materials used for experiments.

Conflicts of Interest: Authors must identify and declare any personal circumstances or interest that may be perceived as influencing the representation or interpretation of reported research results. If there is no conflict of interest, please state "The authors declare no conflict of interest." Any role of the funding sponsors in the choice of research project; design of the study; in the collection, analyses or interpretation of data; in the writing of the manuscript; or in the decision to publish the results must be declared in this section

Abbreviations should be defined in parentheses the first time they appear in the abstract, main text, and in figure or table captions and used consistently thereafter.

SI Units (International System of Units) should be used. Authors should convert imperial units into SI units in all manuscript sections, including the tables and figures.

FIGURES, SCHEMES AND TABLES

- Figures and schemes files should should *have a minimum width/height of 1000 pixels* or a resolution of at least 300 dpi. Recommended formats include TIFF, JPEG, PDF, and PNG.
- Each figure, scheme, and table should include an *explanatory title and be inserted into* the main text after its initial citation. They should be sequentially numbered based on their order of appearance (e.g., Figure 1, Scheme I, Table 1, Figure 2, Scheme II, Table 2, etc.).
- Tables should feature clear column headings. While smaller fonts may be used according to the provided Word template, they should generally *not be smaller than 8 points. Microsoft Word's Table option should always be utilized for table creation*

When reporting research involving human subjects, human material, human tissues, or human data, authors are required to declare that the investigations were conducted in accordance with the principles outlined *in the Declaration of Helsinki of 1975, revised in 2013* (available at <https://www.wma.net/what-we-do/medical-ethics/declaration-of-helsinki/>). As per point 23 of this declaration, researchers must obtain approval from the local institutional review board (IRB) or an appropriate ethics committee prior to commencing the research to ensure compliance with national and international guidelines. At a minimum, **the article must include a statement containing the project identification code, approval date, and the name of the ethics committee or institutional review board.**

Example of an ethical statement: "All subjects gave their informed consent for inclusion before they participated in the study. The study was conducted in accordance with the Declaration of Helsinki, and the protocol was approved by the Ethics Committee of XXX (Project identification code)."

For non-interventional studies, such as surveys, questionnaires, or social media research, it is imperative that *all participants are provided with comprehensive information*. This should

include assurances regarding anonymity, the purpose of the research, the intended use of their data, and any associated risks, if applicable.

Written informed consent for publication must be obtained from participating patients. While data pertaining to individual participants should be described in detail, private information identifying participants should be excluded unless relevant to the research (such as photographs of participants' faces displaying specific symptoms). Authors must ensure that patients' initials or other personal identifiers do not appear in any images. For manuscripts containing case details, personal information, and/or patient images, authors are required to obtain signed informed consent for publication from patients (or their relatives/guardians) prior to submission to the journal. Patient details should be anonymized whenever possible; for instance, specific age, ethnicity, or occupation should not be mentioned unless pertinent to the conclusions.

Editorial and Peer Review Procedures

Upon submission, all manuscripts undergo thorough scrutiny by the Editorial Team to ensure adherence to the Instructions for Authors and the ethical standards of the journal. Manuscripts failing to meet these criteria will either be rejected outright prior to peer review or returned to the authors for necessary revisions and resubmission.

Editorial Evaluation:

Following the initial assessment, the Managing Editor will collaborate with the Associate Editors to determine the manuscript's suitability within the journal's scope and its scientific integrity.

Peer Review Process:

Upon successful completion of the initial checks, the manuscript will be assigned to a minimum of two independent reviewers. The peer review process will be conducted in a single-blind manner, where the reviewers are aware of the authors' identities.