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DESCRIPTION

The Journal of Orthopaedic Translation (JOT) is the official peer-reviewed, open access journal of the Chinese Speaking Orthopaedic Society (CSOS) and the International Chinese Musculoskeletal Research Society (ICMRS). It is published quarterly, in January, April, July and October, by Elsevier.

The Journal focuses on the rapidly growing field of orthopaedic translational research. While there are a number of high quality orthopaedic journals, none are solely dedicated to the field of orthopaedic translational research. The importance of translational research is quickly being recognized by all spectrums of the scientific community, from clinicians to basic science researchers. To truly improve the health of people, scientific research on the cellular and molecular level must be utilized and applied appropriately in the clinical setting. A journal that is purely dedicated to the art of translational research is a monumental step in the advancement of musculoskeletal care by bringing cutting edge knowledge to the forefront and allowing pioneers of orthopaedic translation to exchange and mutually enhance expertise. JOT aims to be that linking factor and welcomes high quality manuscripts that will advance the field of orthopaedic translation.

JOT is devoted to research and issues of strong interest in translational medicine on musculoskeletal and related themes. Material that are considered include any original research findings, discussions or analyses that will move the field closer to the goal of improving musculoskeletal health, diagnosis, prevention, and treatment of musculoskeletal disorders or injuries. Multidisciplinary approaches are particularly encouraged. We accept original research papers, review articles, editorials, perspectives, case reports and letters to the Editor.

The main goal of JOT is to publish papers that identify and fill scientific knowledge gaps at the junction of basic research and clinical application (from bench to bedside) or community application (from bench to community). In this vein, original research should report significant progress toward the prevention, diagnosis, and treatment of musculoskeletal disorders and serve as templates for future exploration and investments in translational orthopaedics.

Original papers are categorized into the following topics: Animal models Biomaterials Biophysical stimulation Clinical trials Diagnostics Health promotion Industries and markets Medical devices and implants Nutrition and drugs Regenerative medicine Regulations and policies Rehabilitation

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INTRODUCTION

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The journal accepts articles on translation medicine in musculoskeletal and related themes that will identify and fill scientific knowledge gaps at the junction of basic research and clinical application. Authors are welcome to submit original articles, review articles, editorials, perspectives and letters to the editor for consideration.

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Articles should be written in English, using British English spelling, and meet the following basic criteria: the material is original, the information is important, the writing is clear and concise, the study methods are appropriate, the data are valid, and the conclusions are reasonable and supported by the data.

Peer review

This journal operates a double blind review process. All contributions are 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.

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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.

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Article structure
All original articles should include an abstract and be structured as follows: Abstract, Introduction, Materials and methods, Results, Discussion, Conflicts of interest, Funding/Support statement, Acknowledgements (if any), References, Figures and Tables (if any), and Supplementary material (if any).

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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'.

Abstract
Detailed information about what to include in your abstract is given in a separate section below, but authors are reminded here to include a statement in their abstract describing the value of their work with regard to its translational research and clinical significance.

Introduction
State the research questions or study objectives and provide adequate background, avoiding a detailed literature survey or a summary of the results. At the end of the Introduction section, the paper should describe either:
- a mechanism-based study hypothesis, i.e., a 'mechanistic hypothesis-driven' approach for 'bench-to-bedside' studies; or
- the study objectives, i.e., a 'clinical observation-driven' approach for 'bedside-to-bench' investigations.

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Results
Results should be clear and concise.

Discussion
This should explore the significance of the results of the work, not repeat them. Avoid extensive citations and discussion of published literature.

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

Appendices
If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly for tables and figures: Table A.1; Fig. A.1, etc.

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The first title page should contain the information below (from the top to bottom of the page).
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• **Short running title.** This should not exceed 50 characters.

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The second title page should only contain the:

• **Type of article:** (i) Original article, (ii) Review article, (iii) Editorial, (iv) Perspectives, (v) Case report, or (vi) Letter to the Editor.

• **Article title**

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A concise and factual abstract of no more than 500 words is required for original articles, review articles, perspectives and case reports. For perspectives and case reports, the abstract should be in one single paragraph with no subheadings. Abstracts for review articles must be structured, with the subheadings 'Background/Objective', 'Methods', 'Results', and 'Conclusion' for systematic reviews and meta-analyses, and unstructured (i.e., no subheadings) for all other types of review. For original articles, a structured abstract, by means of appropriate headings (such as Background/Objective, Methods, Results, Conclusion), should provide the context or background for the research and should state its purpose/rationale for the study, basic procedures (selection of study subjects or laboratory animals, observational and analytical methods), main findings (giving specific effect sizes and their statistical significance, if possible), and principal conclusions. It should emphasize new and important aspects of the study or observations. 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, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself. As translational medicine is **JOT**’s focus, authors must highlight the translational potential or clinical significance of their work in both the abstract and the discussion. To this effect, authors are required to include a statement following their abstract (included in the abstract word count) under the following heading: “**The Translational Potential of this Article**”.

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