

Table of Contents

Article Types and Parameters	2
Editorials	2
Position Papers and Consensus Statements	2
Original Articles	2
Reviews (Systematic reviews and systematic reviews with meta-analyses):	3
Concise Clinical Reviews.....	3
Short Communications.....	3
Case Reports	3
Letters	3
Text Formatting	3
Manuscripts	4
Headings.....	4
Abbreviations	4
Footnotes	4
Acknowledgments.....	4
Citations in Text	4
Listing References	5
Reference Formats	5
Tables	5
Figure Accessibility Requirements	6
Original Article Content Guidelines.....	7
Introduction	7
Methods	7
Results	7
Discussion.....	7
Conclusion/Summary	8
Terminology Guidelines	8
Bone Histomorphometry	8
Tumor Necrosis Factor (TNF) Family Members.....	8
Bone Markers.....	8
Proprietary Materials and Instruments.....	8
Units of Measure.....	8
Drug Names.....	9
T-scores	9
Supplementary Information (SI)	9
Audio, Video, and Animations.....	9
Text and Presentations	9
Spreadsheets.....	10
Specialized Formats	10
Submitting Multiple Files	10
Numbering	10
Captions	10
Processing of Supplementary Files	10
Ethical Procedures and Standards.....	10
Accessibility	10

Ethical Responsibilities of Authors	10
Disclosure of Potential Conflicts of Interest.....	11
Informed Consent	13
Research Data Policy	14
Research Data and Peer Review	14
Blinding of Authorship	15
Use of Artificial Intelligence	15
Post-Acceptance Production Process	15
Proofreading	15
Online First	15
Publishing Access Options.....	16
Open Access Publishing.....	16
Copyright and License Term – CC BY-NC.....	16
Color Illustrations	16
Offprints	16
Editing Services	16
English	16
Chinese (中文)	17
Japanese (日本語)	17
Korean (한국어).....	17

Article Types and Parameters

Editorials

- Word limit 500
- Figure/table limit 1
- Reference limit 10

Position Papers and Consensus Statements

- Word limit 10,000
- Figure/table limit 10
- Reference limit 100

Original Articles

- Abstract: Word limit 250 (Purpose, Methods, Results, Conclusion)
- Mini Abstract: Word limit 50 (Brief rationale, Main result, Significance of the paper)
- Article: Word limit 5000 (Introduction, Purpose, Methods, Results, Conclusion, References)
- Figure/table limit 6
- Reference limit 45
- Keywords 4 to 6
- For clinical trials in the US, include clinical trial registration number and date of registration

Reviews (Systematic reviews and systematic reviews with meta-analyses):

- Word limit 10,000
- Figure/table limit 10
- Reference limit 200
- Meta-analyses that are not associated with a comprehensive review or systematic review should be submitted as an Original Article.

Concise Clinical Reviews

Target Audience: The target audience for Osteoporosis International Concise Clinical Reviews is clinicians from multiple specialties who provide care for patients at risk for, or suffering from, osteoporosis.

- Abstract: Word limit 300 (Should include Clinical Relevance, Observations, Conclusions)
- Article: Word limit 2500 and should include the following sections:
 - Clinical relevance
 - Observations
 - Clinical tips list or table
 - Figure/Table limit 2, in addition to the clinical tips table.
 - Conclusions
 - Reference limit 50
- Upon article acceptance: Submit 3 CME learning objectives and 3-question multiple-choice test

Short Communications

- Word limit 2500
- Figure/table limit 2
- Reference limit 20

Case Reports

- Word limit 1500
- Figure/table limit 2
- Reference limit 20

Letters

Submit both “Letters to the Editor” and “Responses to Letters to the Editor” as Letters. Please entitle a “Response to a Letter to the Editor” as follows: “Author Response to *original letter manuscript number and title*”

- Word limit 500
- Figure/table limit 1
- Reference limit 8

Text Formatting

Manuscripts

- Submit manuscript in MS Word.
- Use a normal, plain font (e.g., 10-point Times Roman) for text.
- Use italics for emphasis.
- Use the automatic page numbering function to number the pages.
- Do not use field functions.
- Use tab stops or other commands for indents, not the space bar.
- Use the table function, not spreadsheets, to make tables.
- Use the equation editor or MathType for equations.
- Save your file in docx format (Word 2007 or higher) or doc format (older Word versions).

Manuscripts with mathematical content can also be submitted in LaTeX. We recommend using [Springer Nature's LaTeX template](#).

Headings

Please use no more than three levels of displayed headings.

Abbreviations

Abbreviations should be defined at first mention and used consistently thereafter.

[Information on Terminology Guidelines](#)

Footnotes

- Use footnotes rather than endnotes.
- Footnotes can be used to give additional information, which may include the citation of a reference included in the reference list. They should not consist solely of a reference citation, and they should never include the bibliographic details of a reference. They should also not contain any figures or tables.
- Number footnotes to the text consecutively.
- List footnotes to tables using superscript lower-case letters (or asterisks for significance values and other statistical data).
- Do not use reference symbols for footnotes to the article's title or authors.

Acknowledgments

Acknowledgments of people, grants, funds, etc. should be placed in a separate section on the title page. The names of funding organizations should be written in full.

Citations in Text

- Cite referenced material in text at the end of sentence in which it appears.
- Identify cited references in text by numbers in square brackets followed by a period. Some examples:
 - Negotiation research spans many disciplines [3].
 - This result was later contradicted by Becker and Seligman [5].

- This effect has been widely studied [1-3, 7].

Listing References

- Include only works that are cited in the text and that have been published or accepted for publication. Personal communications and unpublished works may be mentioned in the text, but not in the reference list.
- Number entries consecutively.
- Ideally, provide names of all authors; however, use of first three author names and “et al” in cases of more than six authors is also accepted. For example: Smith J, Jones M Jr, Houghton L et al (1999) Future of health insurance. *N Engl J Med* 341:325–9.
- If available, please include full DOI links in your reference list (e.g. “<https://doi.org/abc>”).
- Use standard abbreviations of journal names in ISSN List of Title Word Abbreviations, see: [ISSN.org LTWA](https://www.issn.org/LTWA).
- If journal is not listed in ISSN, please use the full journal title.
- Authors preparing their manuscript in LaTeX can use the bibliography style file sn-basic.bst which is included in the [Springer Nature Article Template](#).

Reference Formats

- Journal article with more than six authors: Gamelin FX, Baquet G, Berthoin S et al (2009) Effect of high intensity intermittent training on heart rate variability in prepubescent children. *Eur J Appl Physiol* 105:731-8. <https://doi.org/10.1007/s00421-008-0955-8>
- Journal article with six or fewer authors: Quinn JM, Horwood NJ, Elliott J, Gillespie MT, Martin TJ (2000) Fibroblastic stromal cells express receptor activator of NF-kappa B ligand and support osteoclast differentiation. *J Bone Miner Res* 15(8):1459-66. doi: 10.1359/jbmr.2000.15.8.1459
- Article by DOI: Slifka MK, Whitton JL (2000) Clinical implications of dysregulated cytokine production. *J Mol Med*. <https://doi.org/10.1007/s001090000086>
- Book: South J, Blass B (2001) The future of modern genomics. Blackwell, London
- Book chapter: Brown B, Aaron M (2001) The politics of nature. In: Smith J (ed) The rise of modern genomics, 3rd edn. Wiley, New York, pp 230-57
- Online document: Cartwright J (2007) Big stars have weather too. IOP Publishing PhysicsWeb. <http://physicsweb.org/articles/news/11/6/16/1>. Accessed 26 June 2007
- Dissertation: Trent JW (1975) Experimental acute renal failure. Dissertation, University of California

Tables

- Submit tables as double-spaced editable text (rather than as a graphic).
- Submit each table on a separate page in the text where it is intended to appear.
- Cite each table in text by its (Arabic) number sequentially.
- Provide a title for each table and define all abbreviations in a footnote.
- Use lowercase superscript letters for table footnotes (or asterisks for significance values and other statistical data). Place below body of table.

- If using previously published material, credit original source as a reference at the end of the table's caption.

Figures

- Submit vector drawings as EPS (or PDF) with embedded fonts.
- Submit color or grayscale photographs (halftones) as TIFF (or JPEG) with minimum resolution of 300 dpi.
- Submit color graphics in RGB format (8 bits per channel).
- Submit bitmapped (black & white pixels) line drawings as TIFF (or JPEG) with minimum resolution of 1200 dpi.
- For ALL formats: Optimize files for print (not screen)
- Submit figures in text where it appears, unless size limitations make this impossible (then they can be submitted separately).
- Size figures to fit in the column width, submit in approximated final size.
- Number figures consecutively using Arabic numerals.
- Cite all figures in text in consecutive numerical order.
- Use normal 8-12 point consistently sized, lowercase, sans serif letters to label figure parts (a, b, c, etc.).
- Figure caption format: **Fig #** (Fig. in bold type, followed by the figure number, also in bold type. (No punctuation after figure number or at end of caption.)
- Identify all figure elements in caption; and use boxes, circles, etc., as coordinate points in graphs.
- Identify previously published material by citing original source at the end of the figure caption.
- If one or more figures appear in an appendix, continue the consecutive numbering of the main text. Figures in online appendices, however, should be numbered separately as SI1, SI2, etc. (Supplementary Information).

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Figure Accessibility Requirements

To give people of all abilities and disabilities access to the content of your figures, please make sure to:

- Provide descriptive captions for all figures (so that blind users can employ text-to-speech software or a text-to-Braille hardware).
- Use patterns instead of, or in addition to, colors for conveying information (so that colorblind users can distinguish the visual elements).
- Use a contrast ratio of at least 4.5:1 for figure lettering.

Original Article Content Guidelines

Introduction

- Provide background as needed to frame the study's rationale. What problem is it designed to address? What questions will it answer?
- Cite literature only as needed to help readers understand why a question is being asked.
- Define the hypothesis being addressed and provide a brief overview of the experimental approach and design, leaving specific details for the methods section.
- End the introduction with a stated aim or question, preferably expressed as a testable hypothesis.

Methods

- Describe procedures used and provide sufficient information (subjects, measurements, statistical analyses) so that a reader can evaluate the credibility of results and interpretation in the light of possible methodological limitations.
- Quantify findings when possible and include appropriate indicators of measurement error or uncertainty, e.g. confidence intervals.
- State the source and/or manufacturer name of all products used in the research.
- Please provide explanation for methodological choices (how and why a study was in a particular way).

Results

- Present the results of the primary testable hypothesis before any other results.
- Do not save the "best" for last. For example, if the main aim is to assess anti-fracture efficacy, present these data first and surrogates (BMD or biochemical markers) later.
- Present data as concisely as possible, if appropriate, in the form of tables and/or graphs, although very large tables should be avoided.
- If authors wish to present the full data of a study and/or other technical details, these can be included as electronic Supplementary Material.

Discussion

The following paragraph structure is recommended:

- A summary of the main findings from most to least important including a statement whether the results are consistent with the stated hypothesis.
- Discuss how these results confirm or contrast with the published literature.
- If the results differ, discuss the possible reasons for this. Details of methodology and results of published literature may be appropriate here. Avoid reviewing the literature outside the scope of the study.
- Discuss the significance and implications of this new data. Having developed the rationale to define the limits of current knowledge, how does this new information advance understanding?

- Write a paragraph concerning limitations of the study. This is critical. The inferences made throughout the Discussion must be written bearing in mind the constraints of the methodological limitations of the work. Papers written without this section will not be considered for publication.

Conclusion/Summary

Restate your research problem, summarize your findings, and point to whether, or to what extent, you have succeeded in addressing the need stated in your Introduction. The conclusion is an inference. Within the constraints of a study's limitations, authors may boldly speculate regarding the significance of their findings and their implications for future research.

Terminology Guidelines

Please refer to the below terminology guidelines and include as appropriate in your submission. All abbreviations in the abstract and text must be defined immediately at first mention and used consistently thereafter.

Bone Histomorphometry

Articles on bone histomorphometry should conform to the recommendations of the American Society for Bone and Mineral Research (Dempster DW, Compston JE, Drezner MK et al [2013] Standardized nomenclature, symbols and units for bone histomorphometry: A 2012 update of the report of the ASBMR histomorphometry nomenclature committee. J Bone Miner Res 28:2-17 [doi: 10.1002/jbmr.1805](https://doi.org/10.1002/jbmr.1805))

Tumor Necrosis Factor (TNF) Family Members

Articles on TNF family members should conform to the recommendations of the American Society of Bone and Mineral Research (ASBMR President's Committee on Nomenclature [2000] Proposed standard nomenclature for new tumor necrosis factor family members involved in the regulation of bone resorption. J Bone Miner Res 15:2293-6 [doi: 10.1016/s8756-3282\(00\)00420-8](https://doi.org/10.1016/s8756-3282(00)00420-8))

Bone Markers

Articles on biochemical markers of bone turnover should conform to the recommendations of the International Osteoporosis Foundation (Delmas PD, Eastell R, Garnero P et al [2000] The use of biochemical markers of bone turnover in osteoporosis. Osteoporos Int Suppl 6:S2-S17 [doi: 10.1007/s001980070002](https://doi.org/10.1007/s001980070002))

Proprietary Materials and Instruments

The correct designation and the manufacturer's name should be given. Where the manufacturer is not well known, the city and country should also be included.

Units of Measure

Use International System of Units (SI units) exclusively, except where non-SI units are more commonly employed.

Drug Names

When drugs are mentioned, use international (generic) names, rather than trade names. The proprietary name, chemical composition, and manufacturer should be stated in full in the Materials and Methods section. Indicate the source of any new and experimental preparation.

T-scores

Papers on epidemiology of osteoporosis using BMD at the femoral neck should use T-scores derived from the National Health and Nutrition Examination Survey (NHANES) III reference database for femoral neck measurements in Caucasian women aged 20–29 years as described in: Kanis JA, Adachi JD, Cooper C et al (2013) Standardising the descriptive epidemiology of osteoporosis: recommendations from the Epidemiology and Quality of Life Working Group of IOF. *Osteoporos Int.* [doi: 10.1007/s00198-013-2413](https://doi.org/10.1007/s00198-013-2413)

[Back to top](#)

Supplementary Information (SI)

Springer accepts electronic multimedia files (animations, movies, audio, etc.) and other supplementary files to be published online along with an article or a book chapter. This feature can add dimension to the author's article, as certain information cannot be printed or is more convenient in electronic form.

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Audio, Video, and Animations

- Aspect ratio: 16:9 or 4:3.
- Maximum file size: 25 GB for high resolution files; 5 GB for low resolution files.
- Minimum video duration: 1 sec.
- Supported file formats: avi, wmv, mp4, mov, m2p, mp2, mpg, mpeg, flv, mxf, mts, m4v, 3gp.

Text and Presentations

- Submit your material in PDF format (older formats such as .doc or .ppt files are not suitable for long-term viability).

- A collection of figures may be submitted in single PDF file.

Spreadsheets

- Submit spreadsheets as .csv or .xlsx files (MS Excel).

Specialized Formats

- Specialized formats such as .pdb (chemical), .vrl (VRML), .nb (Mathematica notebook), and .tex can also be submitted.

Submitting Multiple Files

- Multiple files can be compressed into .zip or .gz files to save space and facilitate transmission.

Numbering

- If supplementary material is associated with a submission, it must be referred to explicitly in the text.
- Refer to the supplementary files in text as “Online Resource”, e.g., “... as shown in the animation (Online Resource 3)”, or “... additional data are given in Online Resource 4”.
- Name supplementary files consecutively, e.g. “ESM_3.mpg”, “ESM_4.pdf”.

Captions

- For each supplementary material, please supply a concise caption describing the content of the file.

Processing of Supplementary Files

- Supplementary Information (SI) will be published as submitted by author without any conversion, editing, or reformatting.

Ethical Procedures and Standards

Accessibility

To give people of all abilities and disabilities access to the content of your supplementary files, please make sure that your submission complies with the following:

- The manuscript contains a descriptive caption for each supplementary material.
- Video files do not contain anything that flashes more than three times per second (to reduce seizure risk).

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 - An article still under consideration may be rejected and returned to the author.
 - For articles already published online, the remedy depends on the severity of the infraction. For minor infractions, an erratum will be published with the article. Serious infractions may require complete retraction of the article. In all cases, an explanation of the error must be given in the published erratum or retraction note.
 - The author’s institution may be informed.

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Authors must disclose all relationships or interests that could influence or bias the submitted work. Although an author may not feel there are conflicts, disclosure of relationships and interests supports transparency as well as accurate and objective assessment of their work.

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- Position on advisory board or board of directors or other type of management relationships.
- Multiple affiliations.
- Financial relationships, for example equity ownership or investment interest.
- Intellectual property rights (e.g. patents, copyrights and royalties from such rights).
- Holdings of spouse and/or children that may have financial interest in the work.
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 - Funding: This study was funded by X (grant number X).
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contain clinical studies or patient data. This statement should appear in a separate section before the reference list.”

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- The following statements should be included in the text before the References section: “Ethical approval: All procedures performed in studies involving human participants were in accordance with the ethical standards of the institutional and/or national research committee and with the 1964 Helsinki declaration and its later amendments or comparable ethical standards.”
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- For retrospective studies, please add the following sentence: “For this type of study formal consent is not required.”

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Identifying details (names, dates of birth, identity numbers and other information) of the participants that were studied should not be published in written descriptions, photographs, and genetic profiles unless the information is essential for scientific purposes and the participant (or parent/guardian when appropriate) has given written informed consent for publication.

Complete anonymity is difficult to achieve in some cases, and informed consent should be obtained if there is any doubt. For example, masking the eye region in photographs of participants is inadequate protection of anonymity. If identifying characteristics are altered to protect anonymity, such as in genetic profiles, authors should provide assurance that alterations do not distort scientific meaning.

The following statement should be included: “Informed consent: Informed consent was obtained from all individual participants included in the study.”

If identifying information about participants is available in the article, the following statement should be included: “Additional informed consent was obtained from all individual participants for whom identifying information is included in this article.”

The editors reserve the right to reject manuscripts that do not comply with these ethical procedures and standards. The author will be held responsible for false statements and/or failure to fulfil the above-mentioned requirements.

[Back to top](#)

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The journal encourages authors, where possible and applicable, to deposit data that support the findings of their research in a public repository. Authors and editors who do not have a preferred repository should consult Springer Nature’s list of specialist repositories and/or NIH’s list of generalist repositories. (Data Availability Statements are not required for work published under Research Data Policy Type 1)

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[Back to top](#)

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[Back to top](#)

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