DESCRIPTION

Clinical Nutrition ESPEN is an electronic-only journal and is an official publication of the European Society for Clinical Nutrition and Metabolism (ESPEN).

Nutrition and nutritional care have gained wide clinical and scientific interest during the past decades. The increasing knowledge of metabolic disturbances and nutritional assessment in chronic and acute diseases has stimulated rapid advances in design, development and clinical application of nutritional support. The aims of ESPEN are to encourage the rapid diffusion of knowledge and its application in the field of clinical nutrition and metabolism.

Published bimonthly, Clinical Nutrition ESPEN focuses on publishing articles on the relationship between nutrition and disease in the setting of basic science and clinical practice. Clinical Nutrition ESPEN is available to all members of ESPEN and to all subscribers of Clinical Nutrition.

Authors from ESPEN Block members have the opportunity to directly submit their paper to the Section Associate Editor of the respective country. These papers will be published in a country-specific section of the journal.

AUDIENCE

Investigators and clinicians (gastroenterologists, surgeons, intensivists, paediatricians, e.o.) in the field of clinical nutrition and metabolism, dieticians, nutritionists, pathologists, clinical biochemists.

ABSTRACTING AND INDEXING

MEDLINE®
Scopus

EDITORIAL BOARD

Editor

N. Deutz, Dept. of Health and Kinesiology, Texas A&M University, 4243 TAMU, College Station, Texas, 77843, USA
Managing Editors

J. A. Mays, Dept. of Health and Kinesiology, Texas A&M University, 4243 TAMU, College Station, 77843, USA
S S Roeske, Dept. of Health and Kinesiology, Texas A&M University, 4243 TAMU, College Station, 77843, USA
G.A.M. Ten Have, Dept. of Health and Kinesiology, Texas A&M University, 4243 TAMU, College Station, Texas, 77843, USA

Section Associate Editors

J. E. Aguilar-Nascimento, MD, PhD, Federal University of Mato Grosso, Cuiaba, Brazil, SBNPE-ESPEN
M. Ballesteros-Pomar, MD, PhD, Hospital Clínico Universitario San Carlos, Madrid, Spain
M. Bezmarevic, MD, MSci, Military Medical Academy, Belgrade, Serbia, NUPENS-ESPEN
R. Blaauw, PhD, Stellenbosch University, Stellenbosch, South Africa, SASPEN-ESPEN
A. Vidal Casariego, MD, PhD, Complejo Asistencial Universitario de Léon, Léon, Spain, SENPE-ESPEN
M. Chourdakis, PhD, MD, MHP, Aristotle University of Thessaloniki, Thessaloniki, Greece, GrESPEN-ESPEN
S. C. Cooner, MB, ChB, MSc, MD, FRCP, RNutr, University Hospital Birmingham NHS Foundation Trust, Birmingham, United Kingdom, BAPEN
P. Crenn, MD, PhD, MPA, Université de Versailles Saint-Quentin, Paris, France
M. Engelen, PhD, Texas A&M University, College Station, Texas, USA
S. Ferrie, PhD, BSc, MND, Royal Prince Alfred Hospital, Camperdown, Australia
I. Grintescu, MD, PhD, Emergency Clinical Hospital, Bucharest, Romania, INASPEN
J. Hartono, MD, PhD, MM, Central Army Hospital Gatot Soebroto, Jakarta, Indonesia, NORTSPEN
T. Higashiguchi, PhD, Fujita Health University, Toyoake, Aichi, Japan
Ø. Irtun, MD, PhD, MPA, University Hospital of North Norway, Tromso, Norway, NORSPEN
H. Lee, MD, PhD, Seoul National University Hospital, Seoul, The Republic of Korea
H.-J. Lee, PhD, Seoul National University, Seoul, Korea, KSPEN
G. C. Lighart-Melis, RD, PhD, Texas A&M University, College Station, Texas, USA
L. Llido, PhD, St. Lukes Medical Center, Quezon City, Philippines
H.B. Majid, BSc (UKM), MND (Deakin), PhD, University of Malaya, Kuala Lumpur, Malaysia
R. Mandapaka, MSc, National Institute of Nutrition, Hyderabad, India
A. Marinho, MD, Centro Hospital do Porto, Porto, Portugal, APNEP-ESPEN
C Mattheys, PhD, UZ Leuven & KU Leuven, Belgium
E. Odissseeva, PhD, Military Medical Academy, Sofia, Bulgaria, BULSPEN-ESPEN
K. Papapetro, MMedSc, MD, Hospital Clínico Universidad de Chile, Santiago, Chile, CHILESPEN
G. Pimentel, PhD, Universidade Federal de Goiás, Goiânia, Brazil
V. Piras, MD, PhD, Khon Kaen University, Khon Kaen, Thailand
J.-C. Preiser, MD, PhD, Erasme University Hospital, Brussels, Belgium-Wallone, SBNC-ESPEN
O. Rooyackers, PhD, Stockholm, Sweden, SWESPEN
N. Rotovnik Kozjek, PhD, Institute of Oncology Ljubljana, Ljubljana, Slovenia, SLOSPEN
A. Sanz-Paris, PhD, Universidade de Zaragoza, Zaragoza, Spain
T. Strandberg, MD, PhD, University of Helsinki, Helsinki, Finland, FISPEN-ESPEN
P. Tamási, MD, Peterfy Hospital, Budapest, Hungary, HSPEN
A. Tierney, BSc, PhD, La Trobe University, Melbourne, Australia, AuSPEN
S. Tihista, RD, Centro Nacional de Quemados, Montevideo, Uruguay, SUNUT-ESPEN
C. Tran, MD, Lausanne University Hospital, Lausanne, Switzerland
B. van der Meij, Faculty of Health Sciences and Medicine, Bond University, Gold Coast, Queensland, Australia and Mater Hospitals and Health Services, South Brisbane, Queensland, Australia
D. Vranesic Bender, BSc, PhD, National Kidney and Transplant Institute, Zagreb, Croatia, CroSPEN-ESPEN
D. Ysebaert, PhD, Universiteit Antwerpen, Antwerp Belgium, VVKVM-ESPEN

Past Editor-in-Chief

M. Gassull, Badalona, Spain

Past Associate Editor

O Abbasoglu
J. Bauer, MD, PhD, Oldenburg, Germany
M. Berger, Lausanne, Switzerland
G. Biolo, Trieste, Italy
E. Cabrée, Badalona, Spain
T. Cederholm, Uppsala, Sweden
X. Forceville, MEAUX CEDEX, France
L. Gramlich, Edmonton, Alberta, Canada
R. Griffiths, Liverpool, United Kingdom
K. Joosten, Rotterdam, Netherlands
S. Klek, Skawina, Poland
B. Koletzko, München, Germany
A. Laviano, Roma, Italy
D. Lobo, MS, DM, FRCS, FACS, FRCPE, Nottingham, England, UK
H. Lochs, Innsbruck, Austria
Y. Luiking, Utrecht, Netherlands
B. Morio, Clermont-Ferrand, France
H. Ohyanagi, Himeji, Japan
C. Pichard, Geneva, Switzerland
C. Prado, Edmonton, Alberta, Canada
P. Ravasco, Lisbon, Portugal
P. Singer, Tel Aviv, Israel
P. Soeters, MD, PhD, Amsterdam, Netherlands
M. Usami, Kobe, Japan
M. van Bokhorst-de van der Schueren, Amsterdam, Netherlands
E. Volpi, MD, PhD, Galveston, TX, USA
D. Waitzberg, Sao Paulo, Brazil
B. M. Winklhofer-Roob, Graz, Austria
P. Wischmeyer, MD, Aurora, CO, USA
T. R. Ziegler, MD, Atlanta, GA, USA
GUIDE FOR AUTHORS

Clinical Nutrition ESPEN is an electronic-only official publication of the European Society for Clinical Nutrition and Metabolism (ESPEN). Published bimonthly, Clinical Nutrition ESPEN focuses on publishing articles on the relationship between nutrition and disease in the setting of basic science and clinical practice. Clinical Nutrition ESPEN is available to all members of ESPEN. The journal has separate sections for the block member countries of ESPEN. These sections can publish any material that the block member wants to publish. This could be original papers, abstracts from national meetings, reports, etc., written in English. Please select the appropriate section for your papers if you want your papers to be managed by the country-specific editor. If you are interested in this option, please select the relevant society as your Manuscript Category during the submission process. Otherwise, please select “No Society Affiliation.”

Full Length Articles. Should be organized in the following successive sections and manuscript preparation and format information above to be followed: Title Page, Abstract (Background & Aims - Methods - Results - Conclusions). Introduction, Materials and Methods (including statistical considerations and ethical statement), Results, Discussion, Acknowledgements, Statement of Authorship, Conflict of Interest Statement and Funding sources, References; Figure and Table Legends. The Introduction should be limited to 1.5 pages (450 words) and the Discussion to 4 pages (1200 words).

Review Article. Should contain at least 2 Figures and 2 Tables to summarize the most important data and/or concepts.

(Inter)national Guidelines. Can be submitted after consultation with the Editorial Office (espenjournals@espen.org).

ESPEN Guidelines. Are submitted in collaboration with the Editorial Office (espenjournals@espen.org).

ESPEN Endorsed Recommendations. Are submitted in collaboration with the Editorial Office (espenjournals@espen.org).

Letter to the Editor. Is considered for publication provided it does not contain material that has been submitted or published elsewhere. The text, not including references, must not exceed 450 words. The letter must have no more than five references and one figure or small table and should not be signed by more than three authors. When a letter refers to an article recently published in Clinical Nutrition, the opportunity for reply will be given to the authors of the original article. Such a reply will be published along with the letter. Start the letter with "Dear Editor".

Editorial. Are submitted by members of the Editorial Board.

Short Communications. Should not contain more than 10 references and organized as Full Length Articles. Maximum 1500 words.

Opinion Papers. Should be organized as Full Length articles.

Educational Papers. Should be organized as Full Length articles and contain at least 2 Figures and 2 Tables to summarize the most important data and/or concepts.

Invited Editorial. Is by invitation from the Editor-in-Chief.

Randomized Controlled Trials. Should be organized as Full Length Articles. All Randomized controlled Trials submitted for publication in Clinical Nutrition should include a completed Consolidated Standards of Reporting Trials (CONSORT) 2010 checklist. Please refer to the CONSORT statement website at http://www.consort-statement.org for more information. The checklist can also be downloaded from here. You will be asked to upload this completed checklist at the time of submission and this file is mandatory for submission. Clinical Nutrition and Clinical Nutrition ESPEN have adopted the proposal from the International Committee of Medical Journal Editors (ICMJE) which require, as a condition of consideration for publication of clinical trials, registration in a public trials registry. Clinical trials are defined as "biomedical or health related studies in human beings that follow a
defined protocol." In addition to intervention studies, this definition encompasses observational, prevention, quality of life, diagnostic, and screening trials (www.clinicaltrials.gov). Any clinical trial for which subject recruitment began after July 1, 2008 must be registered in one of the five ICMJE-approved public trials registries (i.e., www.clinicaltrials.gov, www.isrctn.org, www.umin.ac.jp, www.trialregister.nl). Is this study appropriately registered? If so, please report the study ID number and the website where the clinical trial is registered on the title page of the paper. If the study is not registered, authors must do so before the submitted paper will be considered for peer-review. If the study began before July 1, 2008, the initial recruitment date should be reported in the appropriate place in the Materials Methods section. Clinical Nutrition and Clinical Nutrition ESPEN require prospective registration of all trials.

Report. Should be organized as Full Length Articles and are submitted by chairs of Special Interest Groups (SIG) or are submitted in collaboration with the Editorial Office.

Meta-analyses. Should be organized as Full Length Articles. All Meta-analyses submitted for publication in Clinical Nutrition and Clinical Nutrition ESPEN should also include a completed uploaded PRISMA Statement. We have adopted the definitions of systematic review and meta-analysis used by the Cochrane Collaboration. A systematic review is a review of a clearly formulated question that uses systematic and explicit methods to identify, select, and critically appraise relevant research, and to collect and analyze data from the studies that are included in the review. Statistical methods (meta-analysis) may or may not be used to analyze and summarize the results of the included studies. Meta-analysis refers to the use of statistical techniques in a systematic review to integrate the results of included studies. Downloadable forms are located at http://www.prisma-statement.org/.

Submission checklist
You can use this list to carry out a final check of your submission before you send it to the journal for review. Please check the relevant section in this Guide for Authors for more details.

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

All necessary files have been uploaded:

Manuscript:
- Include keywords
- All figures (include relevant captions)
- All tables (including titles, description, footnotes)
- Ensure all figure and table citations in the text match the files provided
- Indicate clearly if color should be used for any figures in print

Graphical Abstracts / Highlights files (where applicable)

Supplemental files (where applicable)

Further considerations
- Manuscript has been 'spell checked' and 'grammar checked'
- 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 Internet)
- A competing interests statement is provided, even if the authors have no competing interests to declare
- Journal policies detailed in this guide have been reviewed
- Referee suggestions and contact details provided, based on journal requirements

For further information, visit our Support Center.

Manuscripts should be double-spaced (including references, tables, and figure legends). Lines should be numbered continuously, beginning in the title page and thus every line has a unique number (Microsoft WORD: /Page Layout>Line Numbers). When applicable refer to Clinical Nutrition papers from the last 2 years. The number of Figures and Tables should be in balance with the length of the
manuscript, and carefully prepared to avoid duplication of data in the text. Standard abbreviation may be used without definition, while non-standardized abbreviations should be explained in the text (as well as Tables and Figures) and should be listed on the title page.

BEFORE YOU BEGIN

Ethics in publishing
For information on Ethics in publishing and Ethical guidelines for journal publication see http://www.elsevier.com/publishingethics and http://www.elsevier.com/journal-authors/ethics.

To verify originality, your article may be checked by the originality detection service CrossCheck http://www.elsevier.com/editors/plagdetect.

Studies in humans and animals
If the work involves the use of human subjects, the author should ensure that the work described has been carried out in accordance with The Code of Ethics of the World Medical Association (Declaration of Helsinki) for experiments involving humans. The manuscript should be in line with the Recommendations for the Conduct, Reporting, Editing and Publication of Scholarly Work in Medical Journals and aim for the inclusion of representative human populations (sex, age and ethnicity) as per those recommendations. The terms sex and gender should be used correctly.

Authors should include a statement in the manuscript that informed consent was obtained for experimentation with human subjects. The privacy rights of human subjects must always be observed.

All animal experiments should comply with the ARRIVE guidelines and should be carried out in accordance with the U.K. Animals (Scientific Procedures) Act, 1986 and associated guidelines, EU Directive 2010/63/EU for animal experiments, or the National Institutes of Health guide for the care and use of Laboratory animals (NIH Publications No. 8023, revised 1978) and the authors should clearly indicate in the manuscript that such guidelines have been followed. The sex of animals must be indicated, and where appropriate, the influence (or association) of sex on the results of the study.

All authors must disclose any financial and personal relationships with other people or organizations that could inappropriately influence (bias) their work using the ICMJE Form for Disclosure of Potential Conflicts of Interest http://icmje.org/conflicts-of-interest. Examples of potential conflicts of interest include employment, consultancies, stock ownership, honoraria, paid expert testimony, patent applications/registrations, and grants or other funding. If there are no conflicts of interest then please indicate this in the form. See also http://www.elsevier.com/conflictsofinterest.

Submission declaration and verification
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. To verify originality, your article may be checked by the originality detection service Crossref Similarity Check.

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').
Author contributions

For transparency, we encourage authors to submit an author statement file outlining their individual contributions to the paper using the relevant CRediT roles: Conceptualization; Data curation; Formal analysis; Funding acquisition; Investigation; Methodology; Project administration; Resources; Software; Supervision; Validation; Visualization; Roles/Writing - original draft; Writing - review & editing. Authorship statements should be formatted with the names of authors first and CRediT role(s) following. More details and an example

Authorship

All authors should have made substantial contributions to all of the following: (1) the conception and design of the study, or acquisition of data, or analysis and interpretation of data, (2) drafting the article or revising it critically for important intellectual content, (3) final approval of the version to be submitted.

Changes to authorship

Authors are expected to consider carefully the list and order of authors before submitting their manuscript and provide the definitive list of authors at the time of the original submission. Any addition, deletion or rearrangement of author names in the authorship list should be made only before the manuscript has been accepted and only if approved by the journal Editor. To request such a change, the Editor must receive the following from the corresponding author: (a) the reason for the change in author list and (b) written confirmation (e-mail, letter) from all authors that they agree with the addition, removal or rearrangement. In the case of addition or removal of authors, this includes confirmation from the author being added or removed. Only in exceptional circumstances will the Editor consider the addition, deletion or rearrangement of authors after the manuscript has been accepted. While the Editor considers the request, publication of the manuscript will be suspended. If the manuscript has already been published in an online issue, any requests approved by the Editor will result in a corrigendum.

Registration of clinical trials

Registration in a public trials registry is a condition for publication of clinical trials in this journal in accordance with International Committee of Medical Journal Editors recommendations. Trials must register at or before the onset of patient enrolment. The clinical trial registration number should be included at the end of the abstract of the article. A clinical trial is defined as any research study that prospectively assigns human participants or groups of humans to one or more health-related interventions to evaluate the effects of health outcomes. Health-related interventions include any intervention used to modify a biomedical or health-related outcome (for example drugs, surgical procedures, devices, behavioural treatments, dietary interventions, and process-of-care changes). Health outcomes include any biomedical or health-related measures obtained in patients or participants, including pharmacokinetic measures and adverse events. Purely observational studies (those in which the assignment of the medical intervention is not at the discretion of the investigator) will not require registration.

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, let 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.

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
Our online submission system guides you stepwise through the process of entering your article details and uploading your files. The system converts your article files to a single PDF file used in the peer-review process. Editable files (e.g., Word, LaTeX) are required to typeset your article for final publication. All correspondence, including notification of the Editor’s decision and requests for revision, is sent by e-mail.

Submit your article
Please submit your article via https://www.evise.com/profile/api/navigate/CLNESP.

PREPARATION
**Peer review**

This journal operates a single blind review process. All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then 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.

**Use of word processing software**

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.

To avoid unnecessary errors you are strongly advised to use the 'spell-check' and 'grammar-check' functions of your word processor.

**Article structure**

**Introduction**

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

**Essential title page information**

- **Title.** Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.
- **Author names and affiliations.** Please clearly indicate the given name(s) and family name(s) of each author and check that all names are accurately spelled. You can add your name between parentheses in your own script behind the English transliteration. Present the authors' affiliation addresses (where the actual work was done) below the names. Indicate all affiliations with a lower-case superscript letter immediately after the author's name and in front of the appropriate address. Provide the full postal address of each affiliation, including the country name and, if available, the e-mail address of each author.
- **Corresponding author.** Clearly indicate who will handle correspondence at all stages of refereeing and publication, also post-publication. This responsibility includes answering any future queries about Methodology and Materials. Ensure that the e-mail address is given and that contact details are kept up to date by the corresponding author.
- **Present/permanent address.** If an author has moved since the work described in the article was done, or was visiting at the time, a 'Present address' (or 'Permanent address') may be indicated as a footnote to that author's name. The address at which the author actually did the work must be retained as the main, affiliation address. Superscript Arabic numerals are used for such footnotes.

**Abstract**

A concise and factual abstract is required and should be structured according to: Background & Aims - Methods - Results - Conclusions. The abstract should state briefly the purpose of the research, the principal results and major conclusions. 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.

**Graphical abstract**

Although a graphical abstract is optional, its use is encouraged as it draws more attention to the online article. The graphical abstract should summarize the contents of the article in a concise, pictorial form designed to capture the attention of a wide readership. Graphical abstracts should be submitted as a separate file in the online submission system. Image size: Please provide an image with a minimum of 531 × 1328 pixels (h × w) or proportionally more. The image should be readable at a size of 5 × 13 cm using a regular screen resolution of 96 dpi. Preferred file types: TIFF, EPS, PDF or MS Office files. You can view Example Graphical Abstracts on our information site.
Authors can make use of Elsevier's Illustration Services to ensure the best presentation of their images and in accordance with all technical requirements.

**Highlights**
Highlights are a short collection of bullet points that convey the core findings of the article. Highlights are optional and should be submitted in a separate editable file in the online submission system. Please use 'Highlights' in the file name and include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point). You can view example Highlights on our information site.

**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 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.

**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.
- Size the illustrations close to the desired dimensions of the published version.
- Submit each illustration as a separate file.

A detailed guide on electronic artwork is available.

**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.

For color reproduction in print, there is a charge of $200 per figure; you will receive information regarding payment article once your article has been accepted for publication.

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

References
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.

Reference management software
Most Elsevier journals have their reference template available in many of the most popular reference management software products. These include all products that support Citation Style Language styles, such as Mendeley and Zotero, as well as EndNote. Using the word processor plug-ins from these products, authors only need to select the appropriate journal template when preparing their article, after which citations and bibliographies will be automatically formatted in the journal's style. If no template is yet available for this journal, please follow the format of the sample references and citations as shown in this Guide. If you use reference management software, please ensure that you remove all field codes before submitting the electronic manuscript. More information on how to remove field codes.

Users of Mendeley Desktop can easily install the reference style for this journal by clicking the following link:
http://open.mendeley.com/use-citation-style/clinical-nutrition-espen
When preparing your manuscript, you will then be able to select this style using the Mendeley plug-ins for Microsoft Word or LibreOffice.

Reference style
References have to be cited in the text by Arabic numerals and numbered in the order in which they are cited. The reference section should be typed double-spaced at the end of the text, following the sample format given below. Abbreviate journal titles according to the List of Journals Indexed in Index Medicus (available from the Superintendent of Documents, US Government Printing Office, Washington, D.C. 20402, USA, DHEW Publication No. (NIH) 91-267; ISSN 0093-3821. Provide all authors’ names. Provide article titles and inclusive pages. 'Unpublished data' and 'personal communications' do not qualify as References and should be placed in parentheses in the text. Accuracy of reference data is the responsibility of the author. Refer to the Vancouver style of citation with your reference manager program

or use the suggestions below.

Sample References

Article in a journal


Book

Chapter in a book

Website

Online journal article

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.

Research data
This journal encourages and enables you to share data that supports your research publication where appropriate, and enables you to interlink the data with your published articles. Research data refers to the results of observations or experimentation that validate research findings. To facilitate reproducibility and data reuse, this journal also encourages you to share your software, code, models, algorithms, protocols, methods and other useful materials related to the project.

Below are a number of ways in which you can associate data with your article or make a statement about the availability of your data when submitting your manuscript. If you are sharing data in one of these ways, you are encouraged to cite the data in your manuscript and reference list. Please refer to the "References" section for more information about data citation. For more information on depositing, sharing and using research data and other relevant research materials, visit the research data page.
Data linking
If you have made your research data available in a data repository, you can link your article directly to the dataset. Elsevier collaborates with a number of repositories to link articles on ScienceDirect with relevant repositories, giving readers access to underlying data that gives them a better understanding of the research described.

There are different ways to link your datasets to your article. When available, you can directly link your dataset to your article by providing the relevant information in the submission system. For more information, visit the database linking page.

For supported data repositories a repository banner will automatically appear next to your published article on ScienceDirect.

In addition, you can link to relevant data or entities through identifiers within the text of your manuscript, using the following format: Database: xxxx (e.g., TAIR: AT1G01020; CCDC: 734053; PDB: 1XFN).

Mendeley Data
This journal supports Mendeley Data, enabling you to deposit any research data (including raw and processed data, video, code, software, algorithms, protocols, and methods) associated with your manuscript in a free-to-use, open access repository. During the submission process, after uploading your manuscript, you will have the opportunity to upload your relevant datasets directly to Mendeley Data. The datasets will be listed and directly accessible to readers next to your published article online.

For more information, visit the Mendeley Data for journals page.

Data statement
To foster transparency, we encourage you to state the availability of your data in your submission. This may be a requirement of your funding body or institution. If your data is unavailable to access or unsuitable to post, you will have the opportunity to indicate why during the submission process, for example by stating that the research data is confidential. The statement will appear with your published article on ScienceDirect. For more information, visit the Data Statement page.

General points
Make sure you use uniform lettering and sizing of your original artwork. Only use the following fonts in your illustrations: Arial, Courier, Helvetica, Times, Symbol. Number the illustrations according to their sequence in the text. Use a logical naming convention for your artwork files.

AFTER ACCEPTANCE

Online proof correction
Corresponding authors will receive an e-mail with a link to our online proofing system, allowing annotation and correction of proofs online. The environment is similar to MS Word: in addition to editing text, you can also comment on figures/tables and answer questions from the Copy Editor. Web-based proofing provides a faster and less error-prone process by allowing you to directly type your corrections, eliminating the potential introduction of errors.

If preferred, you can still choose to annotate and upload your edits on the PDF version. All instructions for proofing will be given in the e-mail we send to authors, including alternative methods to the online version and PDF.

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

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**

Visit the Elsevier Support Center to find the answers you need. Here you will find everything from Frequently Asked Questions to ways to get in touch. You can also **check the status of your submitted article** or find out **when your accepted article will be published**.

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