

The Brazilian Journal of Infectious Diseases

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Introduction

Introduction

The Brazilian Journal of Infectious Diseases is the official publication of the Brazilian Society of Infectious Diseases (SBI). It aims to publish relevant articles in the broadest sense on all aspects of microbiology, infectious diseases and immune response to infectious agents. The BJID is a bimonthly publication and one of the most influential journals in its field in Brazil and Latin America with a high impact factor, since its inception it has garnered a growing share of the publishing market.

The article publishing charge (APC) that authors, their institutions or funding bodies pay, covers all expenses needed to support the publication process.

For articles submitted from 16th July 2018, the APC to publish a paper in the Brazilian Journal of Infectious Diseases is USD 1,500 for original and review articles, and USD 600 for case reports, short communications and letters.

Once the manuscript has been approved, the corresponding author will receive the instructions for the payment of the publication fee.

Types of article

Manuscripts may be submitted within designated categories of communication, including:

- Original basic or clinical investigation (original papers);
- Brief reports of new methods or observations (brief communications);

- State-of-the-art presentations or reviews (review or mini review papers);
- Case presentation and discussion (case reports);
- Clinical infectious diseases images;
- Letters to the editor concerning previous publications;
- Editor's corner, containing ideas, hypotheses and comments (Editorial).

Original articles

It is the most important section of the Journal. Original articles present new data about researches, issues and matters in the field of infectious diseases. These articles should conform strictly to the rules of publication, containing the following sections: abstract, objective or hypothesis, experimental design and methods used (statistical data), essential features of any interventions, main outcome measures, main results of the study, discussion and conclusion. An Original Paper should contain:

- An abstract of no more than 300 words;
- No more than 7 keywords;
- The text should be divided into separate sections (Introduction, Material and Methods, Results, Discussion, References);
- No more than 50 references;
- Number of authors should not exceed 10;
- Authors should state in the cover letter that the manuscript is intended to be an original paper.

Brief communications

A brief communication is focused in a single subject, which should be concise and a new point of view presentation of the subject. The scope of this section is intended to be wide and methods, results and discussion should be in the same text. A brief communication should contain:

- An abstract of no more than 200 words;
- No more than 4 keywords;
- Text should not exceed 12 double-spaced typed pages of 23 lines each;
- A maximum of 2 figures or tables (or one of each);
- No more than 20 references;
- The text should not be divided into separate sections;
- Authors should state in the cover letter that the manuscript is intended to be a brief communication;
- Number of authors should not exceed 5.

Review article

This section is for an updated presentation on a specific topic. This section should contain critical analysis and a new point of view of a relevant area and not a chronological description of the literature. This section aims to raise discussion among readers about controversial issues and the development of concepts in Infectious Diseases. A review article has to bring the new point of view of the focus of the subject. A minireview is focused on a restricted part of a subject. A minireview and review article should contain:

- An abstract of no more than 300 words;
- No more than 7 keywords;
- No more than 80 references;

- The text may be divided into sections with appropriate titles and subtitles;
- Number of authors should not exceed 5;
- Authors should state in the cover letter that the manuscript is intended to be a review or mini review article.

Case reports

Reports of clinical cases must contain a brief introduction about the nature of the case diagnosis, whose focus is the importance of the subject. The case has to be described with data and reports of examinations, treatment and prognosis of the case, discussion about the importance of the findings and presentation of the case in relation to literature. A case report should have a special interest to the clinical research community or it has to be a rare case; or to present a new diagnostic method; or new or modified treatment. A case report article should contain:

- An abstract of no more than 150 words;
- No more than 4 keywords;
- No more than 20 references;
- The text may be divided into sections: brief introduction with a review of literature, case reports, and conclusion;
- Number of authors should not exceed 5;
- Authors should state in the cover letter that the manuscript is intended to be a case report article.

Clinical infectious diseases images

For submission to Clinical Infectious Diseases Images, which is not intended as a vehicle for case reports, all text should contain:

- A minimum of references (no more than 4);
- No abstract;
- The text should be uniform and contain no more than 300 words;
- Number of authors should not exceed 5.

Letters to the editor

Letters may be written in response to previous content published in The Brazilian Journal of Infectious Diseases (BJID) or on any topic of general interest or concern. In the first case, the letter must emphasize the main message of the author of the article, focusing the contribution of that scientific article in the medical practice, drawing attention to the reference and impact it had on the community. The Letter to the Editor should contain:

- Title and the text with no more than 23 line pages;
- No more than 5 references;
- Number of authors should not exceed 5.

Contact details for submission

To submit an article to the journal: <https://www.editorialmanager.com/bjid/default.aspx>

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

For further information, visit our [Support Center](#).

Before you begin

Ethics in publishing

Please see our information on [Ethics in publishing](#).

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.

The author should ensure that the manuscript contains a statement that all procedures were performed in compliance with relevant laws and institutional guidelines and have been approved by the appropriate institutional committee(s). This statement should contain the date and reference number of the ethical approval(s) obtained. Authors should also 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.

The journal will not accept manuscripts that contain data derived from unethically sourced organs or tissue, including from executed prisoners or prisoners of conscience, consistent with recommendations by [Global Rights Compliance on Mitigating Human Rights Risks in Transplantation Medicine](#). For all studies that use human organs or tissues authors must provide sufficient evidence that they were procured in line with [WHO Guiding Principles on Human Cell, Tissue and Organ Transplantation](#). The source of the organs or tissues used in clinical research must be transparent and traceable. Authors of manuscripts describing organ transplantation must additionally declare within the manuscript:

1. that autonomous consent free from coercion was obtained from the donor(s) or their next of kin; and
2. that organs/tissues were not sourced from executed prisoners or prisoners of conscience.

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 Research Council's [Guide for the Care and Use of Laboratory Animals](#) 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.

Informed consent and patient details

Studies on patients or volunteers (including organ/tissue donors) require informed consent, which should be documented in the paper. Appropriate consents, permissions and releases must be obtained where an author wishes to include case details or other personal information or images of patients and any other individuals in an Elsevier publication. Written consents must be retained by the author, but copies should not be provided to the journal.

Only if specifically requested by the journal in exceptional circumstances (for example if a legal issue arises) the author must provide copies of the consents or evidence that such consents have been obtained. For more information, please review the [Elsevier Policy on the Use of Images or Personal Information of Patients or other Individuals](#).

Unless the author has written permission from the patient (or, where applicable, the next of kin), the personal details of any patient included in any part of the article and in any supplementary materials (including all illustrations and videos) must be removed before submission.

Declaration of interest

All authors must disclose any financial and personal relationships with other people or organizations that could inappropriately influence (bias) their work. Examples of potential competing interests include employment, consultancies, stock ownership, honoraria, paid expert testimony, patent applications/registrations, and grants or other funding. Authors must disclose any interests in two places: 1. A summary declaration of interest statement in the title page file (if double anonymized) or the manuscript file (if single anonymized). If there are no interests to declare then please state this: 'Declarations of interest: none'. 2. Detailed disclosures as part of a separate Declaration of Interest form, which forms part of the journal's official records. It is important for potential interests to be declared in both places and that the information matches. [More information](#).

Data Availability

Manuscripts must be accompanied by a data availability statement for the data used or generated in the research underlying the texts. Kindly incorporate one of the three options below into the text:

- URL address of the dataset;
- Statement that all data are available within the text;
- Indication that the data must be requested from the corresponding author.

Declaration of generative AI in scientific writing

Authors must declare the use of generative AI in the manuscript preparation process upon submission of the paper.

Elsevier recognizes the potential of generative AI and AI-assisted technologies (“AI Tools”), when used responsibly, to help researchers work efficiently, gain critical insights fast and achieve better outcomes. Increasingly, these tools, including AI agents and deep research tools, are helping researchers to synthesize complex literature, provide an overview of a field or research question, identify research gaps, generate ideas, and provide tailored support for tasks such as content organization and improving language and readability.

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- Editing and adapting all material thoroughly to ensure the manuscript represents the author’s authentic and original contribution and reflects their own analysis, interpretation, insights and ideas.
- Ensuring the use of any tools or sources, AI-based or otherwise, is made clear and transparent to readers. If AI Tools have been used, we require a disclosure statement upon submission; please see example below.
- Ensuring the manuscript is developed in a way that safeguards data privacy, intellectual property and other rights, by checking the terms and conditions of any AI tool that is used.

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The use of AI Tools in the manuscript preparation process must be declared by adding a statement at the end of the manuscript when the paper is first submitted. The statement will appear in the published work and should be placed in a new section before the references list.

An example:

- Title of new section: *Declaration of generative AI and AI-assisted technologies in the manuscript preparation process.*
- Statement: *During the preparation of this work the author(s) used [NAME OF TOOL / SERVICE] in order to [REASON]. After using this tool/service, the author(s) reviewed and edited the content as needed and take(s) full responsibility for the content of the published article.*

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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 compliance, your article may be checked by [Crossref Similarity Check](#) and other originality or duplicate checking software.

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Use of inclusive language

Inclusive language acknowledges diversity, conveys respect to all people, is sensitive to differences, and promotes equal opportunities. Content should make no assumptions about the beliefs or commitments of any reader; contain nothing which might imply that one individual is superior to another on the grounds of age, gender, race, ethnicity, culture, sexual orientation, disability or health condition; and use inclusive language throughout. Authors should ensure that writing is free from bias, stereotypes, slang, reference to dominant culture and/or cultural assumptions. We advise to seek gender neutrality by using plural nouns ("clinicians, patients/clients") as default/wherever possible to avoid using "he, she," or "he/she." We recommend avoiding the use of descriptors that refer to personal attributes such as age, gender, race, ethnicity, culture, sexual orientation, disability or health condition unless they are relevant and valid. When coding terminology is used, we recommend to avoid offensive or exclusionary terms such as "master", "slave", "blacklist" and "whitelist". We suggest using alternatives that are more appropriate and (self-) explanatory such as "primary", "secondary", "blocklist" and "allowlist". These guidelines are meant as a point of reference to help identify appropriate language but are by no means exhaustive or definitive.

Reporting sex- and gender-based analyses

Reporting guidance

For research involving or pertaining to humans, animals or eukaryotic cells, investigators should integrate sex and gender-based analyses (SGBA) into their research design according to funder/sponsor requirements and best practices within a field. Authors should address the sex and/or gender dimensions of their research in their article. In cases where they cannot, they should discuss this as a limitation to their research's generalizability. Importantly, authors should explicitly state what definitions of sex and/or gender they are applying to enhance the precision, rigor and reproducibility of their research and to avoid ambiguity or conflation of terms and the constructs to which they refer (see Definitions section below). Authors can refer to the [Sex and Gender Equity in Research \(SAGER\) guidelines](#) and the [SAGER guidelines checklist](#). These offer systematic approaches to the use and editorial review of sex and gender information in study design, data analysis, outcome reporting and research interpretation - however, please note there is no single, universally agreed-upon set of guidelines for defining sex and gender.

Definitions

Sex generally refers to a set of biological attributes that are associated with physical and physiological features (e.g., chromosomal genotype, hormonal levels, internal and external anatomy). A binary sex categorization (male/female) is usually designated at birth ("sex assigned at birth"), most often based solely on the visible external anatomy of a newborn. Gender generally refers to socially constructed roles, behaviors, and identities of women, men and gender-diverse people that occur in a historical and cultural context and may vary across societies and over time. Gender influences how people view themselves and each other, how they behave and interact and how power is distributed in society. Sex and gender are often incorrectly portrayed as binary (female/male or woman/man) and unchanging whereas these constructs actually exist along a spectrum and include additional sex categorizations and gender identities such as people who are intersex/have differences of sex development (DSD) or identify as non-binary. Moreover, the terms "sex" and "gender" can be ambiguous--thus it is important for authors to define the manner in which they are used. In addition to this definition guidance and the SAGER guidelines, the [resources on this page](#) offer further insight around sex and gender in research studies.

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.

Clinical trials registry

Clinical trials must be registered according to WHO recommendation at <http://www.who.int/ictrp/en>. The definition of clinical trial include preliminary trials (phase I): any study with prospective recruiting of subjects to undergo any health-related intervention (drugs, surgical procedures, equipment, behavioral therapies, food regimen, changes in health care) to evaluate the effects on clinical outcomes (any biomedical or health-related parameter, including pharmacokinetics measurements and adverse reactions).

The Journal has the right not to publish trials not complying with these and other legal and ethical standards determined by international guidelines.

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Role of the Funding Source

Authors: please indicate any financial support in the cover letter.

Open access

Please visit our [Open Access page](#) for more information about open access publishing in this journal.

Language

Please write your text in good English (American or British usage is accepted, but not a mixture of these).

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.editorialmanager.com/bjid/default.aspx>.

Suggesting reviewers

Please submit the names and institutional e-mail addresses of several potential reviewers.

You should not suggest reviewers who are colleagues, or who have co-authored or collaborated with you during the last three years. Editors do not invite reviewers who have potential competing interests with the authors. Further, in order to provide a broad and balanced assessment of the work, and ensure scientific rigor, please suggest diverse candidate reviewers who are located in different countries/regions from the author group. Also consider other diversity attributes e.g. gender, race and ethnicity, career stage, etc. Finally, you should not include existing members of the journal's editorial team, of whom the journal are already aware.

Note: the editor decides whether or not to invite your suggested reviewers.

Additional information

This section describes additional information for this journal.

Additional information

All papers must be submitted in English.

Preparation

Peer review

This journal operates a double anonymized 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. Editors are not involved in decisions about papers which they have written themselves or have been written by family members or colleagues or which relate to products or services in which the editor has an interest. Any such submission is subject to all of the journal's usual procedures, with peer review handled independently of the relevant editor and their research groups. [More information on types of peer review](#).

Double anonymized review

This journal uses double anonymized review, which means the identities of the authors are concealed from the reviewers, and vice versa. [More information](#) is available on our website. To facilitate this, please include the following separately:

Title page (with author details): This should include the title, authors' names, affiliations, acknowledgements and any Declaration of Interest statement, and a complete address for the corresponding author including an e-mail address.

Anonymized manuscript (no author details): The main body of the paper (including the references, figures, tables and any acknowledgements) should not include any identifying information, such as the authors' names or affiliations.

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

This section describes the article structure for this journal.

Introduction

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

Material and methods

- This section should be subdivided by short underscore headings referring to methods used;
- This section cannot contain figures or tables;
- The material and methods used must be carefully described to allow the study repetition and to determine if the results were possible and correct;
- Papers with statistical testing should state the name of the test, the name for each analysis, the comparisons of interest, a justification of that test, the alpha level for all tests, whether the tests were over two-tailed, and the actual p-value for each test;

- Data sets should be summarized with descriptive statistics, which should include then for each data set, a clearly labeled measure of centre (such as the mean or median), and a clearly labeled measure of variability (such as the standard deviation or range).

Theory/calculation

A Theory section should extend, not repeat, the background to the article already dealt with in the Introduction and lay the foundation for further work. In contrast, a Calculation section represents a practical development from a theoretical basis.

Results

Results should be clear and concise.

Discussion

The discussion presents the results comparing and evaluating them to literature and the existing knowledge. References to other studies should appear in the Discussion to compare the data obtained in the methods and results of the paper.

Conclusions

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

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, including ORCID ID.** Please clearly indicate the given name(s) and family name(s) of each author and check that all names are accurately spelled. 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. Author affiliations should be presented in decreasing hierarchical order (e.g. Harvard University, Harvard Business School, Boston, USA) and should be written as established in its own language (e.g. Universite Paris-Sorbonne; Harvard University, Universidade de São Paulo). The **ORCID ID** of the corresponding author must be inserted in the submission system. If you don't have an ORCID ID, it can be registered at <https://orcid.org/register>.
- **Corresponding author.** Clearly indicate who will handle correspondence at all stages of refereeing and publication, also post-publication. **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. 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. Also, non-standard or

uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself. Abstract word count: 250 words.

Keywords

Immediately after the abstract, provide the keywords, 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. Please consider the manuscript formats to verify the number of keywords. Minimum one and maximum seven keywords.

Abbreviations

- Do not abbreviate institutions;
- Abbreviations must follow the format of the National Library of Medicine (USA) as in Index Medicus.

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, it is recommended to include the following sentence:

This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.

Units

Follow internationally accepted rules and conventions: use the international system of units (SI). If other units are mentioned, please give their equivalent in SI.

Math formulae

Please submit math equations as editable text and not as images. Present simple formulae in line with normal text where possible and use the solidus (/) instead of a horizontal line for small fractional terms, e.g., X/Y. In principle, variables are to be presented in italics. Powers of e are often more conveniently denoted by exp. Number consecutively any equations that have to be displayed separately from the text (if referred to explicitly in the text).

Footnotes

Footnotes should be used sparingly. Number them consecutively throughout the article. Many word processors can build footnotes into the text, and this feature may be used. Otherwise, please indicate the position of footnotes in the text and list the footnotes themselves separately at the end of the article. Do not include footnotes in the Reference list.

Artwork

This section describes the artwork for this journal.

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.
- Ensure that color images are accessible to all, including those with impaired color vision.

A detailed [guide on electronic artwork](#) is available.

You are urged to visit this site; some excerpts from the detailed information are given here.

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Chang ML, Yang CW, Chen JC, et al. Disproportional exaggerated arpartate transaminase is a useful prognostic parameter in late leptospirosis. *World J Gastroenterol*. 2005;11:5553-6.

Book chapter

Taylor DM, Personnet J. Epidemiology and natural history of Helicobacter pylori infection. In: Blaser MJ, Smith PD, Ravdin J eds. *Infections of the gastrointestinal tract*. New York: Raven Press, 1994.

Book

Polak JM, Van Noordan S. *An introduction to immunochemistry: current techniques and problems*. Oxford, UK: Oxford University Press, 1987.

Abstract

Blatt SP, Butzin CA, Lucey DR, Melcher GP, Hendrix CR. Anergy status and CD4 CD29 memory T-cells predict progression to AIDS (abstract PoB 3480). In: *Program and abstracts: VIII International Conference on AIDS (Amsterdam)*. Amsterdam: CONGREX Holland, 1992.

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