The Kaohsiung Journal of Medical Sciences (KJMS) is the official peer-reviewed and SCIE-indexed journal of Kaohsiung Medical University (KMU). It is published monthly by Elsevier. The Journal aims to publish original research and review papers on all fields of medicine and related disciplines that are of topical interest to the medical profession.

Authors are welcome to submit reviews, original articles, short communications, and letters to the editor for consideration.

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1. Manuscript Submission

1.1. Online Submission

Manuscripts (meaning all submission items, including all text, tables, artwork, cover letter, conflicts of interest disclosures, and any other required documents/material) must be submitted online to the KJMS through the Elsevier Editorial System (EES) at http://ees.elsevier.com/kjms. If assistance is required, please refer to the tutorials for authors and/or customer support that are available on the EES website; you may also contact the Editorial Office. Please do not post, fax or e-mail your manuscripts to the Editorial Office.

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1.2. Important Information

• Articles should be in Microsoft Word document format and prepared in the simplest form possible. We will add in the correct font, font size, margins and so on according to the Journal’s style.
• You may use automatic page numbering, but do NOT use other kinds of automatic formatting such as footnotes, headers and footers.

• Put text, references, table headings and tables, and figure legends in one file.
• Figures must be submitted as separate picture files, at the correct resolution and named according to the figure number and format, e.g., “Fig1.tif”, “Fig2.jpg”. Please see Section 9.8. for more information.

1.3. Supporting Documents

The following documents must be included in your submission (refer also to the Checklist that follows these author instructions). Items (1), (2) and (3) are mandatory. Items (4), (5), (6) and (7) are required only if they are applicable to your manuscript.

(1) Cover Letter. This must include the following information:
• title of the manuscript
• names (spelled out in full) of all the authors*, and the institutions with which they are affiliated; indicate all affiliations with a superscripted lowercase letter after the author’s name and in front of the matching affiliation (“the name of each author should be written with the family name last, e.g., Wan-Lin Chang”)
• corresponding author details (name, e-mail, mailing address, telephone and fax numbers)
• Chinese authors should provide their names, affiliations and contact details in both English and Chinese characters
• a statement that the material contained in the manuscript has not been previously published and is not being concurrently submitted elsewhere
• persons who do not fulfill the requirements to be listed as authors but who nevertheless contributed to the manuscript (such as those who provided writing assistance, for example) should be disclosed
• list of manuscripts that have been published, submitted, or are in press that are similar to the submission to the KJMS (and include in your submission copies of those similar manuscripts so that KJMS Editors can be assured there is no overlap)
• the signature of the first author or the corresponding author

(2) Authorship & Conflicts of Interest Statement. Each author’s contribution to the manuscript should be listed. Any and all potential and actual conflicts of interest should also be listed (see Section 2 for more information). Please use the KJMS Authorship & Conflicts of Interest Statement form that follows these author instructions and that is also provided on the Journal’s website at www.kjms-online.com. Your signature and those of ALL your coauthors must be included.
2. Disclosure of Conflicts of Interest

A conflict of interest occurs when an individual’s objectivity is potentially compromised by a desire for financial gain, prominence, professional advancement or a successful outcome. KJMS Editors strive to ensure that what is published in the Journal is as balanced, objective and evidence-based as possible. Since it can be difficult to distinguish between an actual conflict of interest and a perceived conflict of interest, the Journal requires authors to disclose all and any potential conflicts of interest.

Conflicts of interest may be financial or non-financial. Financial conflicts include financial relationships such as honoraria; educational grants; participation in speakers’ bureaus; membership, employment, consultancies, stock ownership, or other equity interest; expert testimony or patent-licensing arrangements. Non-financial conflicts include personal or professional relationships, affiliations, academic competition, intellectual passion, knowledge or beliefs that might affect objectivity.

Please ensure that the name of each author listed in your manuscript appears in either Section I or Section II on page 2 of the KJMS Authorship & Conflicts of Interest Statement form (an author’s name cannot appear in both Section I and Section II of the form).

3. Ethical Approval of Studies and Informed Consent

For human or animal experimental investigations, appropriate institutional review board or ethics committee approval is required, and such approval should be stated in the methods section of the manuscript. For those investigators who do not have formal ethics review committees, the principles outlined in the Declaration of Helsinki should be followed (World Medical Association. Declaration of Helsinki: ethical principles for medical research involving human subjects. Available at: http://www.wma.net/en/30publications/10policies/b3/17c.pdf).

For investigation of human subjects, state explicitly in the methods section of the manuscript that informed consent was obtained from all participating adult subjects and from parents or legal guardians for minors or incapacitated adults, together with the manner in which informed consent was obtained (e.g., oral or written). For work involving animals, the guidelines for their care and use that were followed should be stated in the methods section of the manuscript. For those investigators who do not have formal institutional guidelines relating to animal experiments, the European Commission Directive 86/609/EEC for animal experiments (available at http://ec.europa.eu/environment/chemicals/lab_animals/legislation_en.htm) should be followed and the same should be stated in the methods section of the manuscript.

4. Reporting Clinical Trials

All randomized controlled trials submitted for publication should include a completed Consolidated Standards of Reporting Trials (CONSORT) flow chart (please go to http://www.consort-statement.org for more information). The KJMS has adopted the ICMJE proposal that requires, as a condition of consideration for publication of clinical trials, registration in a public trials registry. Purely observational studies
(those in which the assignment of the medical intervention is not at the discretion of the investigator) will not require registration. Further information can be found at http://www.icmje.org.

5. Identification of Patients in Descriptions, Photographs and Pedigrees

A signed statement of informed consent to publish (in print and online) patient descriptions, photographs and pedigrees should be obtained from all persons (parents or legal guardians for minors) who can be identified (including by the patients themselves) in such written descriptions, photographs or pedigrees. Such persons should be shown the manuscript before its submission. Omitting data or making data less specific to de-identify patients is acceptable, but changing any such data is not acceptable. State explicitly in the methods section of the manuscript that informed consent was obtained from all participating adult subjects or from parents or legal guardians for minors or incapacitated adults, together with the manner in which informed consent was obtained (i.e., oral or written).

6. Previous Publication or Duplicate Submission

Submitted manuscripts are considered with the understanding that they have not been published previously in print or electronic format (except in abstract or poster form) and are not under consideration in totality or in part by another publication or electronic medium.

7. Basic Criteria

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

8. Article Categories

The categories of articles that are published in the Journal are listed and described below. Please select the category that best describes your paper. If your paper does not fall into any of these categories, please contact the Editorial Office.

8.1. Review Articles

These should aim to provide the reader with a balanced overview of an important and topical subject in medicine, emphasizing factors such as cause, diagnosis, prognosis, therapy or prevention. They should cover aspects of a topic in which scientific consensus exists as well as aspects that remain controversial and are the subject of ongoing scientific research. All articles and data sources reviewed should include information about the specific type of study or analysis, population, intervention, exposure, and tests or outcomes. All articles or data sources should be selected systematically for inclusion in the review and critically evaluated.

While review articles are usually submitted by invitation only, unsolicited review articles will also be given due consideration.

Format guide:
- Word limit: 3500 words
- Abstract: unstructured, 250 words
- Keywords: 3-5
- References: 100 or less

8.2. Original Articles

These articles typically include randomized trials, intervention studies, studies of screening and diagnostic tests, laboratory and animal studies, cohort studies, cost-effectiveness analyses, case-control studies, and surveys with high response rates, which represent new and significant contributions to medical science.

Section headings should be: Abstract, Introduction, Methods, Results, Discussion, Conflicts of Interest Statement (if any), Acknowledgments (if any), and References.

The Introduction should provide a brief background to the subject of the paper, explain the importance of the study, and state a precise study question or purpose.

The Methods section should describe the study design and methods (including the study setting and dates, patients/participants with inclusion and exclusion criteria, patient samples or animal specimens used, the essential features of any interventions, the main outcome measures, the laboratory methods followed, or data sources and how these were selected for the study), and state the statistical procedures employed in the research.

The Results section should comprise the study results presented in a logical sequence, supplemented by tables and/or figures. Take care that the text does not repeat data that are presented in tables and/or figures. Only emphasize and summarize the essential features of the main results.

The Discussion section should be used to emphasize the new and important aspects of the study, placing the results in context with published literature, the implications of the findings, and the conclusions that follow from the study results.

Format guide:
- Word limit: 3000 words
- Abstract: unstructured, 250 words
- Keywords: 3-5
- References: 40 or less
8.3. Short Communications
These reports should be concise presentations of pre-
liminary experimental results or technical aspects of
clinical or experimental practice that are not fully
investigated, verified or perfected but which may be
of widespread interest or application.
Format guide:
• Word limit: 1500 words
• Abstract: unstructured, 250 words
• Keywords: 3-5
• References: 25 or less

8.4. Letters to the Editor
Letters are welcome in response to previously pub-
lished KJMS articles, and may also include interesting
case reports as well as other brief technical or clini-
cal notes of general interest. Letters should have a
title, no more than four authors, include appropriate
references and the corresponding author's mailing
and e-mail addresses. Letters are edited, sometimes
extensively, to sharpen their focus. They may be sent
for peer review at the discretion of KJMS Editors.
Letters are selected based on clarity, significance,
and space.
Format guide:
• Word limit: 500 words
• No Subheadings
• Begin with ‘Dear Editor’
• References: 5 or less
• Tables/Figures: 1 maximum

9. Manuscript Preparation
Text should be typed double-spaced on white A4 (297
× 210 mm) paper, with outer margins of 2.5 cm. The
manuscript should include a title page, abstract, key-
words, text, conflicts of interest statement (if any),
acknowledgments (if any), references, and figures and
tables as appropriate. Each section of the manuscript
should begin on a new page. Pages should be num-
bered consecutively, beginning with the title page.

9.1. Title Page
The title page should contain the following informa-
tion (in order, from the top to bottom of the page):
• article category
• article title
• declaration of any potential financial and non-
financial conflicts of interest
• running title not exceeding 50 characters
• IMPORTANT: please do NOT include any author
names and affiliations or corresponding author
information on the title page (this information
should be listed in your cover letter instead)
because the KJMS follows a double-blind peer
review process

9.2. Abstracts and Keywords
An unstructured abstract (i.e., in one single paragraph
with no subheadings), of no more than 250 words in
length, and 3-5 relevant keywords (in alphabetical
order) are required for the following article catego-
ries: Review Articles, Original Articles, and Short
Communications. Keywords should be taken from the
Medical Subject Headings (MeSH) list of Index Medicus
No abstract or keywords are required for Letters to the
Editor.

9.3. Main Text
The text for Original Articles should be organized into
the following sections: Introduction, Methods, Results,
Discussion, Conflicts of Interest Statement (if any), Acknowledgments (if any), and References.
Each section should begin on a new page.

9.3.1. Abbreviations
Where a term/definition will be continually referred
to, it must be written in full when it first appears in
the text, followed by the subsequent abbreviation in
parentheses. Thereafter, the abbreviation may be
used. An abbreviation should not be first defined in
any section heading; if an abbreviation has previously
been defined in the text, then the abbreviation may
be used in a subsequent section heading. Restrict the
number of abbreviations to those that are absolutely
necessary.

9.3.2. Numbers
Numbers that begin a sentence or those that are less
than 10 should be spelled out using letters. Centuries
and decades should be spelled out, e.g., the Eighties
or nineteenth century. Laboratory parameters, time,
temperature, length, area, mass, and volume should
be expressed using digits.

9.3.3. Units
Système International (SI) units must be used, with
the exception of blood pressure values which are to
be reported in mmHg. Use the metric system for the
expression of length, area, mass, and volume.
Temperatures are to be given in degrees Celsius.

9.3.4. Names of drugs, devices and other products
Use the Recommended International Non-proprietary
Name (rINN) for medicinal substances, unless the
specific trade name of a drug is directly relevant to
the discussion. Generic drug names should appear in
lowercase letters in the text. If a specific proprietary
drug needs to be identified, the brand name may
appear only once in the manuscript in parentheses
following the generic name the first time the drug is
mentioned in the text.

For devices and other products, the specific brand
or trade name, the manufacturer and their location
(city, state, country) should be provided the first
time the device or product is mentioned in the text,
for example, “...SPSS version 11 was used (SPSS Inc.,
Chicago, IL, USA)”. Thereafter, the generic term (if
appropriate) should be used.
9.3.5. Gene nomenclature
Current standard international nomenclature for genes should be adhered to. For human genes, use genetic notation and symbols approved by the HUGO Gene Nomenclature Committee (http://www.genenames.org). You may also refer to the resources available on PubMed at http://www.ncbi.nlm.nih.gov/guide/genes-expression. The Human Genome Variation Society has a useful site that provides guidance in naming mutations at http://www.hgvs.org/mutnomen/index.html. In your manuscript, genes should be typed in italic font and include the accession number.

9.3.6. Statistical requirements
Statistical analysis is essential for all research papers. Use correct nomenclature for statistical methods (e.g., two sample t test, not unpaired t test). Descriptive statistics should follow the scales used in data description. Inferential statistics are important for interpreting results and should be described in detail.

All p values should be presented to the third decimal place for accuracy. The smallest p value that should be expressed is $p < 0.001$ since additional zeros do not convey useful information; the largest p value that should be expressed is $p > 0.99$.

9.3.7. Personal communications and unpublished data
These sources cannot be included in the references list but may be described in the text. The author(s) must give the full name and highest academic degree of the person, the date of the communication, and indicate whether it was in oral or written (letter, fax, e-mail) form. A signed statement of permission should be included from each person identified as a source of information in a personal communication or as a source for unpublished data.

9.4. Acknowledgments
General acknowledgments for consultations and statistical analyses should be listed concisely, including the names of the individuals who were directly involved. Consent should be obtained from those individuals before their names are listed in this section. All financial and material support for the research, work, writing and editorial assistance from internal or external agencies, including commercial companies, should be clearly and completely identified.

9.5. References
Authors are responsible for the accuracy and completeness of their references and for correct in-text citation.

9.5.1. In the main text, tables and figure legends
- References should be indicated by numbers in square brackets in line with the text, numbered consecutively in order of appearance, and placed before punctuation. [The actual authors can be referred to, but the reference number(s) must always be given.]
- References cited in tables or figure legends should be included in sequence at the point where the table or figure is first mentioned in the main text.
- Do not cite abstracts unless they are the only available reference to an important concept.
- Do not cite uncompleted work or work that has not yet been accepted for publication (i.e., “unpublished observation”, “personal communication”) as references. Also see Section 9.3.7.

9.5.2. In the references list
- References should be compiled at the end of the manuscript according to the order of citation in the text.
- References should be limited to those cited in the text only.
- Journal references should include, in order, authors’ surnames and initials, article title, abbreviated journal name, year, volume and inclusive page numbers.
- The surnames and initials of all the authors up to 6 should be included, but when authors number 7 or more, list the first 6 authors only followed by “et al”.
- Abbreviations for journal names should conform to those used in MEDLINE.
- If citing a website, provide the author information, article title, website address and the date you accessed the information.
- Reference to an article that is in press must state the journal name and, if possible, the year and volume. Examples of the most common reference types are provided below. (Please pay particular attention to the formatting, word capitalization, spacing and style.)

**Standard journal article**

**Journal supplement**

**Journal article not in English but with English abstract**

**Book with edition**
9.6. Tables
Tables should supplement, not duplicate, the text. They should have a concise table heading, be self-explanatory, and numbered consecutively in the order of their citation in the text. Items requiring explanatory footnotes should be denoted using superscripted lowercase letters (a, b, c, etc.), with the footnotes arranged under the table in alphabetical order. Asterisks (*, **) are used only to indicate the probability level of tests of significance. Abbreviations used in the table must be defined and placed after the footnotes in alphabetical order. If you include a block of data or table from another source, whether published or unpublished, you must acknowledge the original source.

9.7. Figures
9.7.1. General guidelines
The number of figures should be restricted to the minimum necessary to support the textual material. Figures should have an informative figure legend and be numbered in the order of their citation in the text. All symbols and abbreviations should be defined in the figure legend in alphabetical order. Items requiring explanatory footnotes should follow the same style as that for tables as described in Section 9.6.

Patient identification should be obscured. All lettering should be done professionally and should be in proportion to the drawing, graph or photograph. Photomicrographs must include an internal scale marker, and the legend should state the type of specimen, original magnification and stain.

Figures must be submitted as separate picture files, at the correct resolution (see Section 9.7.2.) and named according to the figure number and format, e.g., “Fig1.tif”, “Fig2.jpg”.

9.7.2. Formats
Regardless of the application used, 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: vector drawings. Embed the font or save the text as “graphics”.
• TIFF: color or grayscale photographs (halftones)—use a minimum of 300 dpi.
• TIFF: bitmapped line drawings—use a minimum of 1000 dpi.
• TIFF: combination of bitmapped line/halftone (color or grayscale)—use a minimum of 600 dpi.
• DOC, XLS or PPT: if your electronic artwork is created in any of these Microsoft Office applications, please supply “as is”.

Please do not:
• Supply files that do not meet the resolution requirements detailed above;
• Supply files that are optimized for screen use (such as GIF, BMP, PICT, WPG) as the resolution is too low;
• Submit graphics that are disproportionately large for the content.

A detailed guide on electronic artwork is available at http://www.elsevier.com/artworkinstructions. Please note that the cost of color illustrations will be charged to the author (see Section 12 for more information).

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As a general rule, the receipt of a manuscript will be acknowledged within 2 weeks of submission, and authors will be provided with a manuscript reference number for future correspondence. If such an acknowledgment is not received in a reasonable period of time, the author should contact the Editorial Office.
Submissions are reviewed by the Editorial Office to ensure that it contains all parts. Submissions will be rejected if the author has not supplied all the material and documents as outlined in these author instructions. Manuscripts are then forwarded to the Editor-in-Chief, who makes an initial assessment of it. If the manuscript does not appear to be of sufficient merit or is not appropriate for the Journal, then the manuscript will be rejected without review. Rejected manuscripts will not be returned to authors unless requested.

Manuscripts that appear meritorious and appropriate for the Journal are reviewed by at least two Editorial Board members or expert consultants assigned by the Editor-in-Chief. The KJMS follows a double-blind peer review process. The editors and reviewers will not disclose any information about a manuscript or its review to anyone except the manuscript's corresponding author.

The corresponding author will usually be notified within 10 weeks of whether the submitted article is accepted for publication, rejected, or subject to revision before acceptance (however, do note that delays are sometimes unavoidable). If revisions are required, authors are asked to return a revised manuscript to the Editorial Office via the EES within 30 days. Please notify the Editorial Office in advance if additional time is needed or if you choose not to submit a revised manuscript.

11. Preparation for Publication

Once a manuscript has been accepted for publication, authors should submit the final version of their manuscript in MS Word format, with all tables/figures as applicable, via the EES.

Accepted manuscripts are then copyedited according to the Journal’s style and the galley proofs in the form of a PDF file are sent by the Publisher to the corresponding author for final approval. Authors are responsible for all statements made in their work, including changes made by the copy editor.

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