

# 《中国医疗设备》杂志社

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## Manuscript Guideline for The Journal of China Medical Devices

Founded in 1986, *Journal of China Medical Devices* is a national level monthly published journal at home and abroad under the supervision of the National Health Commission of the People's Republic of China. It is the core Journal of Chinese Science and Technology (a statistical source journal of Chinese scientific and technological papers) of the Ministry of Science and Technology. It is a key scientific and technological journal with great influence in the field of medical engineering in China. According to the needs of the development of modern medicine, the journal continues to strengthen column construction and strengthen its own characteristics, in order to improve the level of papers, gather the frontier situation and research on the medical engineering and information technology, and promote medical engineering technology to play a greater role in the development of modern medicine. In order to further enhance the academic, innovative and technical nature of the papers in this journal, the columns have been adjusted and restructured since January 2019. Medical engineering professionals and relevant medical staff are welcome to contribute actively according to the columns set up in this journal.

### A. Main Columns

#### a. Monograph

For this column, scholars at home and abroad who have made outstanding contributions in the field are appointed as the chief editor of the column, and a series of manuscripts related to a certain topic are organized (3 ~ 8 manuscripts, 5 are the best) and need to be supported by provincial and ministerial research funds. The manuscript should be a discussion of the new progress, new theory, new technology and innovative achievements in the field of the discipline, consisting of 1 review manuscript + several research-based manuscripts. The review should explain the current research progress and existing problems of the subject, and the research-based manuscripts are closely related to each other, and elaborate from different aspects around a certain topic. The content elaborated in the manuscript should be comprehensive, readable, advanced and authoritative.

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## **b. Research Manuscript**

The manuscripts in this column are the research results summarized by experimental research or scientific practice, and the experimental data of the articles are required to be detailed and accurate, with analysis and conclusions, and should be innovative, scientific and practical. Including biomedical engineering, medical equipment development and functional development, hospital digital management technology, in the use of medical equipment application quality assurance technology, hospital scientific management of new technology and medical new technology research and innovation results. It is required that the viewpoint of the manuscript is clear, the technical method is correct, and the data is reliable. Research papers are divided into the following modules according to the type of manuscript.

### (a) Medical Engineering Technology

Medical engineering technology is a new emerging science that uses engineering theories and methods to solve practical problems in medicine. As it covers many fields, this column includes a wide range of content. Any innovative manuscripts related to the theory, technology, method of clinical medical engineering and the quality control and measurement of medical equipment are acceptable. For instance, manuscripts on the composition principle of modern advanced medical equipment, performance characteristics, application function development, safe use of medical equipment and computer system technology, medical equipment modification, in-use medical equipment maintenance technology, medical new technology innovation; innovative experience in specific testing technologies for quality control and metrology of various medical devices and consumables, as well as problems and suggestions in quality control and measurement management, content and methods of testing; The statistics, investigation and analysis of adverse medical events caused by the quality or function failure of medical devices shall be innovative and practical, and shall comply with relevant state regulations. The manuscript in this column requires clear discussion, highlighting technical characteristics, being academic, innovative and practical.

### (b) Clinical Imaging Technology

The manuscripts in this column mainly focus on the innovation of imaging technology, the

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improvement of image quality, the design of imaging parameters, etc., with emphasis on technical innovation and improvement (manuscripts focus only on the clinical diagnosis are not accepted).

This column requires the manuscript to be innovative, advanced, novel, practical and repeatable experimental technology. Emphasis should be placed on the application of medical imaging equipment and related imaging technology.

## (c) Digital Management in Hospital

This column publishes manuscripts focus on the creation, development, application, upgrade and maintenance technology of computer software and hardware in hospital digital management, as well as the innovative experience of scientific management technology and operation method of medical equipment and medical consumables, including the functional development technology of hospital HIS, RIS, PACS, LIS and modern digital medical equipment, medical equipment purchase selection, installation testing, in-use equipment management, use efficiency research, application effect analysis and economic benefit analysis, disposal process. The manuscript in this column should be the author's own practical work and technical experience, which is required to be innovative, novel, practical and scientific, rather than a general theoretical introduction, description or summary of the work.

## (d) Scientific Management

This column intends to publish the scientific management methods of medical equipment in hospitals, including the application of some of the latest management methods, the procurement and use of medical equipment (consumables), the storage, benefit analysis, adverse event reporting, preventive maintenance, and the disposal of medical equipment. Topics related to medical device management can be included in this column.

## (e) Translational Medicine

This column requires to highlight the application of new technologies and new methods in basic medicine, pharmacy, computer information technology and other fields in clinical medicine, preventive medicine and military medicine, including but not limited to: the development of current basic medicine and clinical technology, the theory of translational medicine construction under new

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conditions, the development trends, new technologies and new methods of translational medicine at home and abroad; Integration of basic and clinical and preventive transformation; clinical integration with rehabilitation and prevention transformation; integration of pharmacy and clinical and preventive transformation; the mutual transformation and integration of traditional Chinese medicine and Western medicine. emphasis is placed on the transformation and application of new theories, technologies and methods of medical equipment in the field of clinical medicine.

## **c. Review**

In this column, the author should consult a considerable number of domestic and foreign references of the subject (mainly literatures in the past 3 to 5 years), select relevant development information after analysis and research, summarize and sort out, and write a comprehensive article. The manuscript should reflect the new progress of the subject, and summarize and look forward to the progress of the field. The types of manuscript mainly include: a certain field of medical engineering, a certain type of medical equipment, medical new technology, medical computer technology and so on.

The manuscript in this column is required to be advanced, forward-looking and leading, with clear views, reliable data and technical methods, and all sources are cited. It is required to cite more than 30 domestic and foreign references, of which more than 1/3 are references in the past 3 years.

## **d. Equipment Maintenance**

The manuscripts included in this column are for medical engineers and technicians to select typical faults of typical equipment for in-depth analysis according to their actual maintenance experience, so as to provide readers with reference maintenance ideas and maintenance methods. The author should select a typical fault and should not be too simple.

This column requires the author to write the manuscript to involve the specific equipment principle level reference theory; The description of the fault should be divided into fault phenomenon, fault analysis, fault solution and other steps to write; The summary should summarize the maintenance methods provided by this paper for reference and other aspects can provide reference content.

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The whole writing process should be accompanied by pictures or tables to help explain, avoid generalities. The number of references shall not be less than 15.

## **B. Criteria**

a. The manuscripts accepted by this journal must be the work of the author's own research, experiment or practice, and must have a clear viewpoint, scientific rational explanation and proof. The manuscript should be innovative, novel and practical. The manuscript should broaden its academic horizon and make as much reference as possible to domestic and foreign references in relevant disciplines, such as journals in biomedical engineering, instruments and equipment, computer application, electronic technology and other disciplines.

b. For all column, If the manuscript is related to the national or provincial (ministry) level related research project, submitted manuscript should indicate the source of the research topic and project number, and provide relevant proof. Preference will be given for the acceptance and publication.

c. The manuscript requires clear paragraphs, concise narration, prominent focus, does not violate the relevant policies and regulations of the state, and avoid misspelling and wrong symbols. For the manuscript in column of monograph and review, the number of words is generally 5000 ~ 6000, and the number of words of manuscripts in other columns is generally more than 5000 words. The graphs and tables in the manuscript should comply with the writing requirements of the journal.

d. All authors are required to submit their papers online ([www.china-cmd.org](http://www.china-cmd.org)). Please fill in the submission letter and state the author's name, telephone number, affiliation, department and correspondence address. For manuscripts by multiple authors, please arrange the authors in order.

e. Once the manuscript is found to be plagiarized, cited improperly, falsified data, etc., the journal will not accept and prohibit the author from submitting again.

## **Important Notice:**

a. Corresponding author should provide name, title, research direction, email address, and corresponding author must have a senior level title (or doctoral degree);

b. In particular, national and provincial (municipal) research projects in the field of the subject

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are welcome to submit papers, as well as postgraduate dissertations in the discipline or related disciplines.

- c. The first author and corresponding author cannot be changed after the submission.

