

# Iraqi Medical Journal IMJ



A periodic peer reviewed scientific journal  
published by the **Iraqi Medical Association**  
First published in 1953

ISSN 0304-4564

Volume 64, Number 2, July 2018

## **Editorial Director**

**Prof. Abdul Ameer Mohsin Hussein** FICMS, FACS

## **Editor-in-Chief**

**Prof. Haider Abdul Hussein Ahmed** FICMS CABS

## **Executive Editorial Board**

**Usama S Al-Nasiri**, DS, FRCS

**Farqad B Hamdan**, MSc PhD

**Bassam H Al-Jarrah**, DL, FICMS

**Sabah M Fadhil**, MD FICMS

**Mohammed H Al-Musawi** FICMS

**Najib S Jabbo**, FRCS

**Jamal R Al-Rawi**, MSc, FICMS (D&V)

**Yasir M H Hamandi**, FIBMS

**Ali Al Sultany**, DM CABM. FRCP

**Ahmed S Alnuaimi** PhD

## **Secretary;**

**Lina Rafia Mohamed Ali Al-Mukhtar**

**Iraqi Medical Journal (IMJ)**

Mobile No.: 00964(0)7903201903

Fax +96415372193

PO Box 6297

Al-Mansour, Al-Ma'ari Street

Baghdad-Iraq

Website of IMA: [www.ima.org.iq](http://www.ima.org.iq)

Website of IMJ: [imj.edu.iq](http://imj.edu.iq)

E-mail: [imj\\_ima@yahoo.com](mailto:imj_ima@yahoo.com)

## Scientific Advisory Board

- Abdul-Baki R Al-Khateeb, PhD*  
*Abdulghani Alrawi, MRCP*  
*Abdul-Monaf Al-Jadiry, FRCPsych*  
*Abdul-Mutalib Abdul-Kareem, FRCP*  
*Abdul-Muneim Al-Dabbagh FICMS*  
*Adnan Al-Araji, FRCP*  
*Ali Abdul-Hasan, FRCS*  
*Ali Muhammed Jawad, CABM, FRCP*  
*Amjed Niyazi, PhD*  
*Amira Shubbar, FRCP*  
*Anam R Al-Salihi, PhD*  
*Asim M Al-Chalabi, FRCP*  
*Ayad Ali Al-Beer, FRCS*  
*Ayad Al-Ramadhani, FRCS*  
*Hameed R Al-Ani, PhD*  
*Haytham T Makki, FRCS*  
*Hikmat Jamil, PhD*  
*Husam Hassoon Ali FICMS*  
*Issam S Al-Janabi, FRCS*  
*Khalid Abdulla, FRCP*  
*Khalifa E Sharqaie, PhD*  
*Mahjoob N Al-Nadawi, MRCPed, FRCP.*  
*Majid Sulaiman, FRCS*  
*Misaied Al-Bedri, FRCS*  
*Mohammed Rashid Al-Eboodi, FICMS*  
*Mudafar Z Al-Kasim, MRCPsych.*  
*Muhammed H Al-Eshaiker, FRCP*  
*Mukram M Al-Waid, PhD*  
*Muzahim K Al-Khiat, FRCS*  
*Nabil Salman Murad, MRCP, FRCP*  
*Nada Al-Alwan, PhD*  
*Nada S Ameen FRCS (OBGYN)*  
*Najim Aldin Al-Ruznamaji MRCP*  
*Najla I Ayoub, MRCP*  
*Nazar B Al-Hasani, FRCS, FACS*
- Nazar Taha Mekki FRCS*  
*Neda Al-Ward, MFPHM.*  
*Omar N Al-Yaqubi, FRCOphth., FRCS*  
*Omran S Habeb, PhD*  
*Qahtan J Shebeeb, FRCS*  
*Qasim M Sultan, MRCP, FRCP*  
*Rafi M Al-Rawi, FRCP*  
*Raji A Al-Hadithi, ABPath.*  
*Riyad M Salih, FRCOG*  
*Saad H Al-Witry, FRCS*  
*Sabah Sadiq, FRCPsych*  
*Sabah M Yacoub, FRCP*  
*Safa' Al-Obeidi, FRCS*  
*Saieb S Algailani, CABS*  
*Sameer H Abood, FRCS*  
*Sami Matloob, FRCS*  
*Saramad A Al-Fahad, FRCP*  
*Sarmad Khunda, FRCS(OBGYN), FRCOG*  
*Seddiq H Alkhashab FRCS*  
*Suad Al-Wendawi, MRCP, FRCP*  
*Taher K Al-Dabbagh, FRCP*  
*Talib Khair Allah, MRCP, FACC*  
*Tarik H Al-Ani, DDV*  
*Thamer A Hamdan, FRCS*  
*Uddi Abdul-Munim, FRCS.*  
*Usama N Rifa'at, FRCS*  
*Wail Al-Shihabi, DMR, MSc*  
*Waleed Jassim Al-Sa'adi, FFARCS*  
*Walid Al-Hadithi, MSc Path*  
*Zeidan Al-Hergani, MRCP, FRCP*  
*Zekeria Yahya Araji, FRCS*  
*Ziad Sh Al-Rawi, DMR*  
*Ziad A J Zaidan, FRCPsych*  
*Zuhair R Al-Bahrani, FRCS*

Publication of the *Iraqi Medical Journal* does not imply agreement with the statements or opinions expressed therein.

The advertisements, which are published in the journal, are not endorsed by the *Iraqi Medical Journal*.

© 2018

---

## Instructions to Authors

The Iraqi Medical Journal is a periodic peer-reviewed journal published biannually by the Iraqi Medical Association. The journal welcomes original articles, case reports and letters to editor in all fields relevant to medicine. Review articles are usually by invitation only. However, review articles of high standards will be considered. Arabic or English languages could be used.

Papers are accepted on the understanding that the subject matter has not and will not be submitted simultaneously to another journal. The following notes are expected to be considered carefully in writing manuscripts.

- 1- Manuscripts preparation: the format of the Iraqi Medical Journal complies with the "Uniform Requirement for Manuscripts Submitted to Biomedical Journals" published by the International Committee of Medical Journal Editors (ICMJE) in Vancouver, British Colombia, in 1979 and its last update in 2016, available on the website [www.icmje.org](http://www.icmje.org).
- 2- Four clear and complete copies (including figures and tables) should be submitted. Manuscripts and figures will not be returned to the authors irrespective of the editorial decision to accept, revise or reject them.
- 3- Manuscripts must be accompanied by a covering letter signed by all authors that the paper has not been published and will not be submitted to another journal if accepted in the Iraqi Medical Journal.
- 4- The title page should include:
  - Title of the paper in Arabic and English.
  - Correct first name, middle name and family name of all authors in Arabic and English as well as a maximum of two highest academic degrees for each author.
  - Name (s) and address (es) of the institution (s) where the work was carried out.
  - The name and address of the author responsible for correspondence together with telephone number, fax number and e-mail address (if any).
- 5- Abstracts for original articles should contain a structured abstract of not more than 250 words in Arabic and English. Abstract headings include: Background (تمهيد) , Objectives (الأهداف) , Methods (الطرائق) , Results (النتائج) and Conclusions (الاستنتاجات) . Abstracts in Arabic and English of review articles and case reports should be unstructured and of not more than 150 words.
- 6- Three to ten keywords should be provided on the same page as the abstract in English and Arabic. As far as possible, the keywords should be selected from the National Library of Medicine, Medical Subject Headings.
- 7- The main text of the original article should be divided into sections, each section should be started on a new page after the title page:
  - A. Introduction: should state clearly the purpose and rationale of the study.
  - B. Methods: should include selection of subjects, identifications of the methods, apparatus and chemicals used and include statistical analysis.
  - C. Results: presented in a logical sequence preferably with tables and illustrations emphasizing in the text only the important observations.
  - D. Discussion: emphasizes new findings of the study, implications and reference to other relevant studies.

- E. Acknowledgements: only to persons who have made substantive contribution to the study.
  - F. References: should be in the Vancouver style. They should appear in the text by numbers in the order. List all authors when six or less; when seven or more, list only first six and add et al. journal titles should be abbreviated in accordance with Index Medicus. Examples of correct reference forms are given as follows:  
Journal: Al-Salihi AR, Hasson EH, Al-Azzawi HT. A short review of snakes in Iraq with special reference to venomous snake bite and their treatment. Iraqi Med J 1987; 36: 57-60.  
Book chapter: Pen AS. Immunological features of myasthenia gravis. In: Aguayo AJ, Karapti G, editors. Topics in Nerves and Muscle Research. 31<sup>st</sup> ed. Amsterdam: Experta Medica; 1975. p.123-32.
- 8- Illustrations: photographs unmounted on glossy paper should be provided with magnification scale if appropriate. Lettering should be in either letraset or stencil of comparable size. Illustrations should be marked on the back with the figure number, title of the paper and name(s) of the author(s) with soft pencil. All photographs, graphs and diagrams should be referred to as figures and should be numbered consecutively in the text in Arabic numerals. The legends to illustrations should be typed on a separate sheet. Tables should be numbered consecutively in the text in Arabic numerals and each typed on a separate sheet. Vertical lines normally will not be printed.
  - 9- Measurements are preferably expressed in SI units.
  - 10- Authors are advised to follow the Webster's Collegiate Dictionary in spelling.
  - 11- Articles and abstracts written in Arabic should follow the Unified Medical Dictionary (Council of Arab Ministers of Health/WHO/Arab Medical Union/ALESCO, 3<sup>rd</sup> edition).
  - 12- Use only standard abbreviations in the title and abstract. The full term for which the abbreviations stand should precede its first use in the text.
  - 13- After the manuscript has been accepted for publication, authors are required to supply the final version of the manuscript on CD in MS Office Word 2007 and more.
  - 14- Page proof will be sent to the corresponding author for proof correction. Major alterations from the text cannot be accepted.
  - 15- When sending manuscripts, authors from outside Iraq are requested to send the equivalent of 50\$ to cover the cost of processing. Upon acceptance of the paper, a publishing charge of 100\$ is required. For authors from Iraq, the total charge is 75000 ID, 25000 ID on sending the article (not refundable). In case of more than five pages' article, the Iraqi author pays 10000 ID for any extra page.
  - 16- All correspondence should be sent to:

*The Editor*  
*Iraqi Medical Journal (IMJ)*  
*Mobile No.:00964(0)7903201903*  
*Fax +96415372193*  
*PO Box 6297*  
*Al-Mansour, Al-Ma'ari Street*  
*Baghdad-Iraq*  
*Website of IMA: [www.ima.org.iq](http://www.ima.org.iq)*  
*Website of IMJ: [imj.edu.iq](http://imj.edu.iq)*  
*E-mail: [imj\\_ima@yahoo.com](mailto:imj_ima@yahoo.com)*