

**THE MALAYSIAN JOURNAL OF
MEDICAL SCIENCES**
Volume 15 **ISSN 13-94-195X** **2008**
Supplement 1



Penerbit Universiti Sains Malaysia
Pulau Pinang

Abstracts since 2004 are indexed in the Elsevier Bibliographic Databases, The Netherlands,



Bioline, **Bioline**
International

EBSCO Publishing,



Index Copernicus



and The British Library Inside database.



Volume 15
Supplement 1

ISSN 1394-195X
2008

THE MALAYSIAN JOURNAL OF MEDICAL SCIENCES

Editor

Jafri Malin Abdullah

Editorial Board Members

| | | |
|--|--|--|
| Zabidi Azhar Mohd. Hussin <i>Paediatric</i> | Zainul Fadziruddin Zainuddin <i>Medical Biotechnology</i> | Ab. Rani Samsuddin <i>Dental Sciences</i> |
| Wan Mohamad Wan Bebakar <i>Medicine</i> | Asma Ismail <i>Medical Biotechnology</i> | Rusli Nordin <i>Community Medicine</i> |
| Jafri Malin Abdullah <i>Neurosciences</i> | Mohd. Razali Salleh <i>Psychological Medicine</i> | Harbindarjeet Singh <i>Physiology</i> |
| Rogayah Ja'afar <i>Medical Education</i> | Rahmah Nordin <i>Parasitology</i> | |

Advisory Board Members

| | | |
|--|---|---|
| Mustaffa Embong <i>Malaysia</i> | Khairul Anuar Abdullah <i>Malaysia</i> | David H Lawson <i>United Kingdom</i> |
| Timothy M.E. Davis <i>Australia</i> | Brendan Gerard Loftus <i>Ireland</i> | Shunichi Araki <i>Japan</i> |
| Tatsuo Yamakawa <i>Japan</i> | Clive Cockram <i>Hong Kong</i> | |

Production

Muhamad Saidi Hamzah, Che Zaitun Che Ismail, Sabri Mohd. Salleh

Printing

PENERBITAN & PERCETAKAN JM (KT0172070-M)

Lot 2386, Jalan Hospital,
15200 Kota Bharu, Kelantan, Darulnaim, Malaysia.
Tel : 6+09-743 6036, Fax : 6+09-743 5036

Publisher

PENERBIT USM

Bangunan D34, Universiti Sains Malaysia, 11800 USM, Pulau Pinang

Penerbit Universiti Sains Malaysia, 2008

*The Malaysia Journal of Medical Sciences is the official journal of the School of Medical Sciences,
Universiti Sains Malaysia*

ABSTRACTS OF

13th National Conference on Medical Sciences 2008

*“Healthier Community through Continuous
Innovation and Education”*

22 - 23 May 2008

*Universiti Sains Malaysia, Health Campus,
16150, Kota Bharu, Kelantan,
Malaysia.*

NCMS ON MEDICAL SCIENCES 2008

Chairperson :

- Assoc. Prof. Dr. Mustaffa Musa

Publication Committee :

- Dr. Azizah Yusoff
- Dr. Nur Mastura Abdul Rahman
- Dr. Mohd Khairi Md. Daud
- Muhamad Saidi Hamzah

Opinions expressed in the articles are those of the authors and do not necessarily reflect the views of the Editorial Board. The MJMS Editorial Board assumes no liability for any material published therein.