

---

# THE MALAYSIAN JOURNAL OF MEDICAL SCIENCES

---

Volume 14, No. 1

ISSN 13-94-195X

2007



Penerbit Universiti Sains Malaysia  
Pulau Pinang

Abstracts since 2004 are indexed in the Elsevier Bibliographic Databases, The Netherlands,  ioline,  EBSCO Publishing,  Index Copernicus  and The British Library Inside database. 

---

**THE MALAYSIAN JOURNAL OF MEDICAL SCIENCES**


---

**Editor**

Mafauzy Mohamed

**Assistant Editor**

Jafri Malin Abdullah

**Editorial Board Members**

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

**Advisory Board Members**

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

**Production**

Muhamad Saidi Hamzah  
Che Zaitun Che Ismail  
Sabri Mohd. Salleh

**Printing****PENERBITAN & PERCETAKAN J.M.** < KT0172070-M >

Lot 2386, Jalan Hospital, 15200 Kota Bharu, Kelantan Darulnaim, Malaysia.

**Tel :** 609-743 6036 **Fax :** 609-743 5036**D/Lines :** 019-9805036 **E-mail :** ppjm@streamyx.com**Publisher****PENERBIT USM**

Bangunan D34, Universiti Sains Malaysia  
11800 USM, Pulau Pinang

" **Penerbit Universiti Sains Malaysia, 2007***The Malaysia Journal of Medical Sciences is the official journal of the School of Medical Sciences, Universiti Sains Malaysia*

The Board of the MJMS would like to thank the following reviewers:

|                                       |                                                     |
|---------------------------------------|-----------------------------------------------------|
| Prof. Dato' Dr. Md. Tahir Azhar       | International Islamic University Malaysia, Malaysia |
| Prof. Dr. Shukri Othman               | Universiti Sains Malaysia, Malaysia                 |
| Prof. Dr. Zainal Ariff Abd. Rahman    | Universiti Malaya, Malaysia                         |
| Prof. Henry Rantai Gudum              | Universiti Malaysia Sarawak, Malaysia               |
| Prof. Rahmah Noordin                  | Universiti Sains Malaysia, Malaysia                 |
| Assoc. Prof. Mustafa Musa             | Universiti Sains Malaysia, Malaysia                 |
| Assoc. Prof. Dr. Hj. Abd. Rahman Noor | Universiti Sains Malaysia, Malaysia                 |
| Assoc. Prof. Dr. Fuad Ismail          | Universiti Kebangsaan Malaysia, Malaysia            |
| Assoc. Prof. Dr. Kamaliah Daud        | Universiti Sains Malaysia, Malaysia                 |
| Assoc. Prof. Dr. Devakumar Avula      | Universiti Malaysia Sarawak, Malaysia               |
| Assoc. Prof. Dr. Sambadam Elango      | International Medical University, Malaysia          |
| Assoc. Prof. Dr. Tiong Thung Sing     | Universiti Malaysia Sarawak, Malaysia               |
| Assoc. Prof. Dr. Atul Prasad          | Universiti Sains Malaysia, Malaysia                 |
| Dr. Haniffah Abd. Ghafur              | Island Hospital Penang, Malaysia                    |
| Dr. Malik Mumtaz Ahmed Gulam Sarvar   | Penang Medical College, Pulau Pinang, Malaysia      |
| Miss Roszalina Ramli                  | Universiti Kebangsaan Malaysia, Malaysia            |
| Maung Maung Nyo                       | Universiti Malaysia Sarawak, Malaysia               |

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.

# CONTENTS

---

## Editorial

### LYMPHATIC FILARIASIS AND THE GLOBAL ELIMINATION PROGRAMME

*Rahmah Noordin* 1

## Review Article

### 1. GENETICS OF CLEFT LIP AND PALATE : A REVIEW

*Zainul Ahmad Rajion & Zilfalil Alwi* 4

### 2. METABOLIC ENZYME CONSIDERATIONS IN CANCER THERAPY

*Amit K. Jain, Sweta Jain, A.C Rana* 10

## Original Articles

### 1. APPRAISAL OF CLINICAL PROFILE AND MANAGEMENT OF JUVENILE NASOPHARYNGEAL ANGIOFIBROMA IN MALAYSIA

*Shahid Hassan, Jafri Abdullah, Baharudin Abdullah, Shah Jihan WD, Hasnan Jaafar, Shafie Abdullah* 18

### 2. EFFECTS OF AN INDIGENOUS CONTRACEPTIVE HERBAL FORMULATION ON GONADOTROPHS OF THE PITUITARY GLAND OF THE RAT

*Mohd. Nazrul Islam, Siti Amrah Sulaiman, Marina Yu Kapitonova, Syed Mohsin Sahil Jamallullail.* 23

### 3. AN AUDIT OF SINGLETON BREECH DELIVERIES IN A HOSPITAL WITH A HIGH RATE OF VAGINAL DELIVERY

*Noraihan Mohd. Nordin* 28

### 4. DEVELOPMENT OF A PURIFICATION METHOD OF PURE PRIMARY LYMPHOCYTES FOR CELL VIABILITY ASSAYS

*Chan Kok Keong, Vishna Devi V Nadarajah and Tay Ju Lee* 38

### 5. MENINGIOMA: A CLINICOPATHOLOGICAL EVALUATION

*Nasrin Samadi & Seyed Ali Ahmadi* 46

### 6. THE ROUTINE HISTOPATHOLOGICAL EXAMINATION OF TONSILLECTOMY SPECIMENS AT HOSPITAL UNIVERSITI SAINS MALAYSIA – RETROSPECTIVE STUDY AND ITS IMPLICATION

*Irfan Mohamad, Shahid Hassan, Rosdan Salim* 53

# CONTENTS

---

7. PREVALENCE OF GOBLET CELL METAPLASIA IN ENDOCERVICAL AND ENDOMETRIAL ADENOCARCINOMA ; A HISTOCHEMICAL STUDY  
*Lauren Nieuwenhuizen, Mohd Khairy Khalil, Venkatesh R. Naik, Nor Hayati Othman* 56

## Case Reports

8. ARTERIOVENOUS MALFORMATION OF THE MANDIBLE: A RARE BUT LIFE-THREATENING DISEASE  
*Baharudin Abdullah, Abdullah Pohchi & Abdul Rani Samsudin* 62
9. ACUTE RENAL FAILURE AND HEPATITIS : A RARE MANIFESTATION OF TYPHOID FEVER - A CASE REPORT  
*Wahinuddin Sulaiman, Gunavathy M & Dr Muhaini Othman* 65
10. SEBACEOUS CELL CARCINOMA OF SCALP – A RARE PRESENTATION  
*Venkata Murali Krishna Bhavaraju* 67
11. ACUTE DISSEMINATED ENCEPHALOMYELITIS (ADEM) PRESENTING WITH BILATERAL OPTIC NEURITIS  
*Sapiah Sapuan & Hamidon Basri* 71
12. ANCIENT SCHWANNOMA OF THE CERVICAL SYMPATHETIC CHAIN : A CASE REPORT  
*Primuharsa Putra Sabir Husin Athar, Norleza Ahmad Norhan, Megat Shiraz Megat Abdul Rahman* 75

## Short Communication

13. POST-IMPACT DISASTER SURVEILLANCE - A MEDICAL RECONNAISSANCE TEAM AT TSUNAMI-STRUCK SRI LANKA  
*Nasir Mohamad, Nor Hidayah Abu Bakar, Nik Arif Nik Mohamed, Kamarul Aryffin Baharudin, Abu Yazid Md Noh, Rashidi Ahmad, Nik Hisamuddin Nik Abd. Rahman* 79

- 
14. ABSTRACTS OF THESES APPROVED FOR THE M.Sc., M.Med., M.Surg. AND Ph.D. DEGREES AT THE SCHOOL OF MEDICAL SCIENCES, UNIVERSITY SAINS MALAYSIA, HEALTH CAMPUS, KUBANG KERIAN, KELANTAN, MALAYSIA. 85

# CONTENTS

---

|                                                                                                                                                                                         |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 15. ABSTRACTS 1ST INTERNATIONAL CONFERENCE ON THE<br>MEDICINAL USES OF HONEY (FROM HIVE TO THERAPY) 26 - 28<br>AUGUST 2006, AT GRAND RIVERVIEW HOTEL, KOTA BHARU,<br>KELANTAN, MALAYSIA | 101 |
| 16. INSTRUCTIONS TO CONTRIBUTORS                                                                                                                                                        | 129 |

---

**ERRATUM** : THE PAPER TITLED “**TYPHOID AND MALARIA CO-INFECTION – AN INTERESTING FINDINGS IN THE INVESTIGATION OF A TROPICAL FEVER**” BY **WAHINUDDIN SULAIMAN** WAS BY ACCIDENT REPEATEDLY REPRINTED IN **THE MJMS ISSUE VOL. 13, NO. 2. PAGE 64 TO 65, 2006 ISSUE**. THIS MISTAKE IS REGRETTEED AND THEREFORE THIS ARTICLE IS RETRACTED- **EDITOR MJMS**