

## **CURRICULUM VITAE**

### **PERSONAL PARTICULARS**

1. **NAME** : Prof. Dato' Dr. Jafri Malin Abdullah
- FATHER** : Lt. Gen (Rtd) Abdullah Samsudin, graduate of Royal Military Academy, Sandhurst, UK 1955
- MOTHER** : Norleni Mohd Salleh, deceased at 87 years old; housewife
2. **DATE OF BIRTH** : 5th December 1962
3. **SEX** : Male
4. **NATIONALITY** : Malaysian
5. **IC NUMBER** : 621205-06-5337
6. **POSITION** : Professor in Neurosciences  
Senior Neurosurgeon  
Chairman, Brain and Behaviour Cluster
7. **AFFILIATION** : Department of Neurosciences  
School of Medical Sciences  
Universiti Sains Malaysia  
Health Campus, Kubang Kerian  
16150 Kelantan  
MALAYSIA  
  
Department of Neurosciences  
Hospital Universiti Sains Malaysia  
Health Campus, Kubang Kerian  
16150 Kelantan  
MALAYSIA  
  
Brain and Behavior Cluster  
School of Medical Sciences  
Universiti Sains Malaysia  
Health Campus, Kubang Kerian  
16150 Kelantan  
MALAYSIA  
  
Founder and Trustee  
Brain, Mind, Neuroscience Research Foundation  
Yayasan Penyelidikan Otak, Minda, Neurosains  
Malaysia (YPOMNM)
8. **RESEARCHERID** : C-2828-2011
9. **SCOPUS ID** : 7003289641



10. **URL** : <https://www.scopus.com/authid/detail.uri?authorId=7003289641>  
11. **ORCHID ID** : 0000-0002-0258-7410

### **PUBLICATION SUMMARY**

- a. Special Lectures and Attendance in Conferences : 169  
b. Journal/ Article : 523  
c. Book/ Chapter in Research Book : 43  
d. Copyright : 37

### **REGISTRATION**

- a) Malaysian Medical Council Registration number: 26500  
b) Belgium Medical Council Registration number: 5609  
c) National Specialist Registration: Malaysia Medical Council:  
Neurosurgery no: 124300

### **CORRESPONDENCE ADDRESS**

Professor of Neurosciences Department of Neurosciences Chairman, Brain and Behaviour Cluster  
School of Medical Sciences  
Universiti Sains Malaysia  
16150 Kubang Kerian  
Kelantan, MALAYSIA.

Email: [jafrimalin@usm.my](mailto:jafrimalin@usm.my)

### **PERMANENT ADDRESS**

Professor of Neurosciences Department of  
Neurosciences Chairman, Brain and Behaviour  
Cluster School of Medical Sciences  
Universiti Sains Malaysia  
Kubang Kerian  
16150 Kelantan  
MALAYSIA

Email: [brainsciences@gmail.com](mailto:brainsciences@gmail.com)

### **PROFESSIONAL QUALIFICATIONS**

- 1) Degree : M.D. Doctor of Medicine (No: USM/88/DP 00203)  
University : Universiti Sains Malaysia, Penang  
Date : July 1986
- 2) Degree : Diploma Certification Specialization in Neurosurgery (No:094897)  
University : University of Ghent, Belgium, and the Ministry of Education  
Date : 1.12.1994
- 3) Degree : Phd in the Biomedical Sciences (Magna Cum Lauda) No:06004  
University : Ministry of Education/ University of Ghent, Belgium  
Date : 10.1.1995

## **EDUCATION**

### **Schooling and Pre University**

Science Secondary School Penang  
-completed in 1977

Science Secondary School Kelantan  
-completed in 1979

Leederville Technical College Western Australia  
-completed in 1981

### **Obtained:**

Malaysian Certificate of Education 1979, Grade one

Tertiary Admissions Examination Western Australia, Australia 1980, Grade one

### **Undergraduate Medical Training**

Doctor of Medicine:

School of Medical Sciences

Universiti Sains Malaysia

11800 Minden

**PENANG**

(Universiti Sains Malaysia - completed in July 1986)

### **Postgraduate Medical Training**

Diploma Certification Specialisation in Neurosurgery

University of Ghent 1989-1995

University Hospital Ghent

De Pintelaan 185, 9000 Ghent

Belgium

(Degree awarded on the 1<sup>st</sup> December 1994)

Phd in Biomedical Sciences (Magna Cum Lauda)

University of Ghent, Belgium

(Degree awarded on the 10<sup>th</sup> January 1995)

## **HONORS, APPRECIATION & TITLES**

1. Malaysian Toray Research Award 1997 by the Japanese Toray Foundation.
2. National Malaysian Young Scientist Award, awarded via The Ministry of Science and Technology Malaysia on the 16 March 2000
3. Fellow Alumni Doctor University Science Malaysia awarded 5<sup>th</sup> September 2000.
4. Fellow American College of Surgery, 2002 by American College of Surgeons, USA.
5. Award of Fellowship without examination (RCSE), 2004 by Royal College of Surgeons of Edinburgh.
6. Sanggar Sanjung from DYMM Agung from scientific research 2001 and 2003.
7. Fellow Academia Euroasiana Neurochirurgica Japan 2004.
8. Felo Akademi Sains Malaysia (ASM) October 2009.
9. Ahli Yang Ketiga (Paduka) Bagi Darjah Kebesaran Setia Mahkota Kelantan yang amat terbilang (P.S.K), 30<sup>th</sup> March 2009.

10. Top Research Scientists Malaysia (TRSM) by Akademi Sains Malaysia, December 2013.
11. D.P.S.K (D Kbesar SM Kelantan Yang Amat Terbilang) November 2014.
12. Anugerah Buku Negara; Buku Umum Terbaik (Kategori Kesihatan) Title: Summary of Readings in Neurosurgery
13. Certificate Member of Steinbeis Transfer Centre Network, April 2015
14. Anugerah Anugerah Buku Negara (Buku Umum Terbaik-Kategori Kesihatan) (Summary of Readings in Neurosurgery), 11 December 2014
15. Member of the Board of Society for Brain Mapping and Therapeutics (SBMT) USA
16. Member of the G20+ World Brain Mapping and Therapeutics Initiative (G20+ WBMTI) Committee (representing Malaysia)
17. Vice Chairman of the Malaysian-SBMT and co-founder of Malaysian Brain Mapping Initiative as part of the G20+ WBMTI.
18. Science and Technology Research Grant (Funded by Toray Science Foundation Japan), RM20,000 at 22<sup>nd</sup> MTSF Prize Presentation
19. Ten Year's Individual membership of the EANS, The European Association of Neurosurgical Societies, 2016
20. Penerima Pemberian Taraf CREAM 2016 oleh Jabatan Pendidikan Tinggi
21. Anugerah Penyelidik Cemerlang Pusat Pengajian Sains Perubatan 2016, Pemenang Utama, Kategori Individu (Jumlah Sitasi >1000)
22. Anugerah Penerbitan Berkualiti 2018, Pusat Pengajian Sains Perubatan, Tempat Ke 4, Kategori Individu (Prof Madya)
23. Anugerah Penyelidik Cemerlang 2018, PPSP, Kategori Individu Keseluruhan
24. Memenangi hadiah 'silver award' di International Conference and Exposition in Inventions by Institutions of Higher Learning 2019 (PECIPTA'2019) bertajuk Diagnostic Language Tool & Music Intervention for Teenagers with Developmental Language Disorder (DLD)
25. Anugerah Penerbitan Berkualiti 2019-Penerbitan Berindeks Pusat Pengajian Sains Perubatan, Universiti Sains Malaysia, Tempat Ketiga, Kategori Individu I (Profesor/Profesor Madya).
26. Anugerah Penerbitan Berkualiti 2019-Penerbitan Q1 & Q2 Pusat Pengajian Sains Perubatan, Universiti Sains Malaysia, Tempat Ketiga, Kategori Individu I (Profesor/Profesor Madya).
27. Anugerah M Balasegaram Trainer Award yang ke-5, oleh Akademi Perubatan Malaysia (AMM) 2023.
28. Awarded Stanford Top 2% Scientist (2022–2024)
29. Bronze Medal, Anugerah Inovasi Nuklear Kebangsaan 2024; Melieu Aromatherapy Gel.
30. Gold Medal, Minggu Penyelidikan & Inovasi MPI 2024; Melieu Aromatherapy Gel
31. Gold for IHIC Wooden Medal Awards under Best Research Paper Category titled Exploring the Analgesic Potential of Malaleuca Cajuputi Powell Essential Oil: Chemical Composition and Pain Relief Perception in Knee Osteoarthritis Patients.
32. Representative for Global Brain Consortium Chapter for the Southeast Asia by Global Brain Consortium (GBC)
33. Awarded Steering Committee of Brain Capital Alliance and the Brain Economy Hub
34. Awarded Pengiktirafan Jurnal CRÈME (Current Research Malaysia) for Malaysia Journal of Medical Sciences (MJMS) by Malaysian Ministry of Higher Education in conjunction Putrajaya Festival of Ideas (PFOI) 2024

#### **AWARDED FELLOWSHIP OF COLLEGES**

1. Fellow Royal College of Surgeons (Edinburgh) without examination.
2. Fellow International College of Surgeons (Chicago), USA.

3. Fellow American College of Surgeons (USA).
4. Fellow World Federation of Neurological Society.
5. Senior member of the World Academy of Neurological Society, 2009-2025
6. Academia Euroasiana Neurochirurgica, EU
7. Academy of Neurosurgery, USA
8. Felo Akademi Sains Malaysia (ASM)

#### **MEMBERS OF SOCIETIES**

1. Academy of Medicine Malaysia
2. Society for Neurosciences (SFN)
3. Association of Neurosciences Department and Program (ANDF, USA)
4. International Brain Research Organization
5. American Society for Gene Therapy
6. European Paediatric Neurology Society
7. European Stroke Council
8. American Academy of Neurology
9. International Headache Society
10. Movement Disorder Society
11. International Association for the Study of Pain
12. European Neurological Society
13. World Federation of Neurohabilitation
14. Malaysian Neurosciences Society
15. Indian Neurological Society
16. Society of Neurosurgical Anesthesia & Critical Care
17. Congress Stereotactic & Functional Neurosurgical Society
18. International Society of Paediatric Neurosurgery
19. American Association of Neurological Surgeons
20. Asian Society for Stereotactic, Functional & Computer Assisted Neurosurgery
21. Asian Congress Neurological Surgeons
22. World Stereotactic and Functional Neurological Society
23. World Federation of Neurosurgical Societies
24. Neurosurgical Association Malaysia
25. American Association of Electrophysiological Medicine
26. European Neurooncology Society
27. World Academy for Neurological Surgeons
28. International Society for Neurochemistry
29. Asian Association of Neurooncology
30. International Society for Neuroimmunology
31. International Clinical Neurophysiology Society
32. Infantile Seizure Society
33. Society for Brain Mapping and Therapeutics
34. International Neuro Climate Working Group

### **COMMITTEE MEMBER OF NON-PROFIT MALAYSIAN ORGANISATIONS**

1. President of the Persatuan Alumni Doktor USM :Nr1170. Duration : 1995-2000,2010-2017,2018-2021
2. President of the Tabung Kebajikan dan Pendidikan PADU a non profit tax exempted charitable organization LHDN :01/ 35 / 42.51 / 179 – 6.4799 . Duration : 1999-2020
3. President Society for Neuroscience,USA Kelantan Chapter 2012-2020
4. Persatuan Keluarga Neurosains USM 2020-2022.
5. First Founder Of Malaysian Brain,Mind And Neuroscience Research Foundation registered under Prime Minister's Department of Malaysia 2017-2020.
6. Exco Member /(Assistant Secretary)Majlis Kanser Negara 2010-2020.
7. Fellow Academy Sains Malaysia 2006-2020.
8. YDP PTA MCKK 2016-2020
9. President Muafakat Kolej Mara Banting 2019-2021.
- 10.Exco Akademik Muafakat Kebangsaan MARA 2019-2021.
- 11.ENIGMA MEG Working Group

### **LANGUAGE SPOKEN AND WRITTEN**

- (i) Bahasa Malaysia
- (ii) English
- (iii) Flemish
- (iv) Dutch

### **PRESENT POST**

#### **POSITION**

Professor in Neurosciences  
Senior Neurosurgeon  
Department of Neurosciences  
Chairman, Brain and Behaviour Cluster  
School of Medical Sciences Universiti Sains  
Malaysia Health Campus  
Kubang Kerian  
16150 Kelantan  
MALAYSIA

### **EMPLOYER**

Universiti Sains Malaysia  
Health Campus  
16150 Kubang Kerian  
Kota Bharu, Kelantan  
Malaysia.

### **DATES OF APPOINTMENT**

| From       | To                            |
|------------|-------------------------------|
| 01.10.1988 | 02.05.1995 (Trainee Lecturer) |
| 02.05.1995 | 30.5.1998 (Lecturer)          |

|             |                                                                           |
|-------------|---------------------------------------------------------------------------|
| 01.06.1998  | 15.12.2003 (Associate Professor)                                          |
| 16.12.2003  | 2009 (Full Professor, VK7)                                                |
| 03.02.2010  | 2019 (Full Professor, VK6)                                                |
| 26.04.2019  | Current (VK5)                                                             |
| 25.08. 2011 | 05.12.2022 (Board of Senate, USM reelected 4 times)                       |
| 05.12.2022  | 04.12.2025 (Professor Fleksi Post Contract A, School of Med Science, USM) |

### **GAZETLED NEUROSURGEON**

|                             |              |
|-----------------------------|--------------|
| Number (45) KKM 87P13/201/1 | Number:5819  |
| From                        | To           |
| 1.11.1995                   | till present |

### **SPECIAL EXPERIENCES**

1. Neonatal and general intensive care at Hospital Universiti Sains Malaysia (1986-1989).
2. Forensic Medicine as an elective candidate in Guy's Hospital London (1985).
3. Anaesthesiology and critical care medicine at Hospital Universiti Sains Malaysia including subspecialties of anaesthesia. (1988 - 1989)
4. Member of the Hospital Universiti Sains Malaysia resuscitation committee (concerned with the organisation and training of resuscitation services in the hospital (1987 - 1989).
5. Providing resuscitation services in Hospital University Sains Malaysia (1987-1989)
6. Exposure to cerebral arteriography, EEG and neurosurgical intensive monitoring (1989- 1995) Hospital University of Ghent, Belgium.
7. Functional and Stereotactic Neurosurgical Procedures (1989-1995), Hospital University of Ghent, Belgium, Karolinska Institute, Department of Neurosurgery, Stockholm, Sweden.
8. Endoscopic Neurosurgical Procedures, Hospital University of Ghent, Belgium (1989-1995).
9. Licox Po2 and Lactate measurements in the Brain Parenchymal in Kiel, Germany (9.2.1998) by Dr. Wolfgang Flekenstein
10. Intraoperative Neurophysiology course at London from 1st till 5<sup>th</sup> October 1999 at
  - (i) King's College Hospital, London
  - (ii) Middlesex Hospital London
  - (iii) Queen's Square Neurology, London
  - (iv) Great Ormond Street Sick Children Hospital, London
11. Transcranial Doppler Training Course 12-13 Oct. 1999 in Grosshadern Hospital in Munich, Germany.
12. Cerebral Oximetry Course in Kiel, Germany on the 14<sup>th</sup> Oct. 1999.
13. International Stereotactic and Functional Neurosurgery in Karolinska Hospital, Institute Neurosciences from 4-10<sup>th</sup> Oct. 1999.
14. Minimal Invasive Neurosurgery course 8<sup>th</sup> October 1999 during the Congress of Neurosurgical Surgeons meeting Boston, USA.
15. Microsurgical Approaches Training Course 11<sup>th</sup>-15<sup>th</sup> September 2000 at University of Florida Brain Institute Department of Neurosurgery Gainesville, Florida, USA Neurological Surgeons meeting Boston, USA.
16. Deep brain stimulation course. 1<sup>st</sup> February 2004-16<sup>th</sup> February 2004 at Department of Neurosurgery, University of Ghent, Belgium.
17. International Neurobionics Symposium on the 10<sup>th</sup> anniversary of the International

Neurobionic Foundation Hannover, 21<sup>st</sup>-23<sup>rd</sup> July 2005.

#### **PREVIOUS POST**

| <b>No.</b> | <b>Post Held / Centres</b>                                                                                                          | <b>From</b>    | <b>To</b>      |
|------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| 1.         | Housemanship<br>Hospital Universiti Sains Malaysia<br>16150 Kubang Kerian<br>Kelantan<br><u>Malaysia</u>                            | June 1986      | June 1987      |
|            | a) Orthopaedics                                                                                                                     | June 1986      | September 1986 |
|            | b) General Surgery                                                                                                                  | September 1986 | December 1986  |
|            | c) Obstetrics and Gynaecology                                                                                                       | December 1986  | June 1987      |
| 2.         | *Medical Officer in Internal Medicine                                                                                               | July 1987      | September 1987 |
| 3.         | *Medical Officer in Paediatrics                                                                                                     | September 1987 | December 1987  |
| 4.         | *Medical Officer in Blood Banking Services and Haematology                                                                          | March 1988     | May 1988       |
| 5.         | *Medical Officer in Anaesthesiology and Critical Care Medicine                                                                      | December 1987  | November 1988  |
| 6.         | *Medical Officer / Trainee Lecturer in General Surgery Universiti Sains Malaysia,<br>16150 Kubang Kerian, Kelantan                  | November 1988  | November 1989  |
| 7.         | Resident in Neurology<br>Universiti Hospital Ghent<br>De Pintelaan 185, 900 Ghent<br>Belgium (Prof. J. De Reuk)                     | November 1989  | November 1990  |
| 8.         | Resident in Neurosurgery<br>Universiti Hospital Ghent, Belgium<br>(Professor L. Calliauw)                                           | November 1990  | November 1994  |
| 9.         | Fellow in Neurosurgery<br>Universiti Hospital Ghent, Belgium<br>(Professor J. Caemaert)                                             | December 1994  | February 1995  |
| 10.        | Fellow in Neurophysiology<br>Department of Neurosurgery<br>Universiti Hospital Ghent<br>Belgium (Prof. J. De Reuk)                  | December 1994  | February 1995  |
| 11.        | Fellow in Functional Neurosurgery<br>Department of Neurosurgery<br>Institute Karolinska (Prof Svengaard)<br>Stockholm, Sweden       | February 1995  | April 1995     |
| 12.        | Chief Neurosurgeon, Lecturer and Researcher,<br>Neurosurgical Division<br>Hospital Universiti Sains Malaysia<br>16150 Kubang Kerian | June 1995      | till present   |
| 13.        | Researcher<br>National Tissue Bank School<br>of Medical Sciences Universiti<br>Sains Malaysia<br>16150 Kubang Kerian                | June 1995      | till present   |

|     |                                                                                                                                                                         |                       |                        |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|
| 14. | Associate Professor in Neurosurgery<br>Neurosurgical Division, School of Medical<br>Sciences, Universiti Sains Malaysia,<br>16150 Kubang Kerian,<br>Kelantan, Malaysia. | 1.6.1998              | 7.11.2000              |
| 15. | Head Coordinator,<br>Neuroscience Unit,<br>School of Medical Sciences, Universiti Sains<br>Malaysia, 16150 Kubang Kerian,<br>Kelantan, Malaysia.                        | 7.11.2000             | 31.4.2004              |
| 16. | Secretary Malaysian Journal of Medical<br>Sciences (Editorial subcommittee)                                                                                             | 1.4.2000              | till present           |
| 17. | Committee member Research and Ethical<br>Board University Sains Malaysia                                                                                                | 5.2.2001              | till present           |
| 18. | Head, Department of Neurosciences<br>School of Medical Sciences,<br>Universiti Sains Malaysia,<br>16150 Kubang Kerian,<br>Kelantan, Malaysia.                           | 1.5.2004              | 30.04.2014             |
| 19. | Senate Member USM                                                                                                                                                       | 25.8.2011             | 5.12.2022              |
| 20. | Full professor Neurosciences                                                                                                                                            | 16.12.2003            | till present           |
| 21. | Committee Member of the Malaysian Medical<br>Council                                                                                                                    | 1.7.2005<br>14.8.2022 | 30.6.2008<br>13.8.2025 |
| 22. | Director, Center for Neuroscience Services and<br>Research (P3Neuro). Universiti Sains Malaysia                                                                         | 1.1.2013              | 31.12.2018             |
| 23. | Chairman, Brain and Behaviour Cluster, School<br>of Medical Sciences, Universiti Sains Malaysia,<br>Health Campus                                                       | 1.1.2019              | till present           |

### **TEACHING EXPERIENCES**

1. Teaching of undergraduate medical students in Anaesthesiology and Critical Care Medicine at: Hospital Universiti Sains Malaysia, 16150 Kubang Kerian, Kelantan, Malaysia
2. Teaching of undergraduate medical students in General Surgery at: Hospital Universiti Sains Malaysia, 16150 Kubang Kerian, Kelantan, Malaysia
3. Teaching of Cardiopulmonary resuscitation skills to nursing, paramedical staff, medical officers, medical students, Malaysia Red Crescent Society and Malaysian Dental Society at: Hospital Universiti Sains Malaysia, 16150 Kubang Kerian, Kelantan, Malaysia
4. Instructor/ Examiner for Cardiopulmonary Resuscitation basic life support certificate course held under the aegis of American Heart Association and Ministry of Health, Malaysia at : Hospital Universiti Sains Malaysia, 16150 Kubang Kerian, Kelantan, Malaysia
5. Active participation in postgraduate teaching symposia and seminars conducted by the Continuing Medical Educations Committee of Hospital Universiti Sains Malaysia.
6. Inservice training of Intensive Care Nursing Staff 1995-2000
7. Neuroradiological conference, journal club in the Hospital University of Ghent, Belgium.

8. Neuroradiological conference. journal club, Neuropathology conferences in the Hospital Universiti Sains Malaysia.
9. Initiation of first Master of Surgery (Neurosurgery) Course in Malaysia to start May 2001 onwards
10. Neuro brain tumour genetic center since January 1996.
11. Stereotactic and endoscopic workshop during the Asean Neurosurgical Congress 1995. Status: Chairman of Workshop.
12. Postgraduate neurosurgical training for Master Medicine (general Surgery) : have trained 24 candidates for 6 months duration each from 1995 till 2000.
13. Radiosurgery center for whole body with head and neck using the second dedicated radiosurgery system in the world May 2001.
14. Minimal Invasive Surgery Centre for brain and spine June 2001.

## **SUPERVISION**

### **ACTIVE**

#### **Postgraduate**

1. Muhammad Hanif BinChe Lah , 2019, Doctor of Philosophy, Research - Full Time, Electron Transport Study in DNA of Brain Cells, Main Supervisor (AKTIF).
2. Wan Nor Adibah Binti Wan Zakaria, 2018, Doctor of Philosophy, Research - Part Time, Preclinical study on the effect of Newcastle Disease Virus (NDV) on Large Non-Human Primate, Main Supervisor (MENANGGUH PENGAJIAN)
3. Hazim Bin Omar , 2018, Doctor of Philosophy, Research - Full Time, Brain Activation Associated with the Cognitive Emotion Regulation in Moderate Traumatic Brain Injury (TBI) by Using Different Neuroimaging Modalities EEG, MEG and fMRI, Main Supervisor (AKTIF)
4. Nor Anis Nabilah Binti Mohammad Naser, 2020, Master, Research - Full Time, Elucidating the involvement of toll-like receptors in the mediation of anxiety behaviour of rats, Main Supervisor (MENANGGUH PENGAJIAN)
5. Tuan Siti Mastazliha Bte Long Tuan Kechik, 2022, Doctor of Philosophy, Research - Full Time, Development and Evaluation of A mHealth Intervention for Access to Stroke Care in Malaysia, Co-supervisor (AKTIF)
6. Keethanjeli A/p Palaniyappan, 2021, Master, Research - Full Time, Cell Regeneration and Hemocompatible Studies on Titania Nanotube Arrays for Medical Implant Application, Co-supervisor (AKTIF)
7. Faten Anis Syairah Binti Seri , 2018, Master, Research - Full Time, BRAIN CONNECTIVITY TO VIBRATORY AND TACTILE STIMULATION OF HUMAN FINGERTIPS: AN FMRI STUDY, Co-supervisor (AKTIF)
8. Chiang Ying Jee, 2022, Master (Dissertation - Course Work), The effects of transcranial direct current stimulation (tDCS) on the cortical plasticity and brain oscillation after long-term exposure to Arabic numeral tasks.

## **GRADUATED**

### **Undergraduate**

Sven Revenberg, 2019, Elective Program, Neurosurgery, Field Supervisor, Completed

### **Postgraduate**

#### **Student Master Science (Human Genetics/Neurosciences)**

1. **Abdul Aziz Mohamed Yusoff.** Molecular genetic analysis and immunohistochemistry of the p53 tumour suppressor gene in brain tumour patients in Malaysia. 1997-2000
2. **Sarina Sulong.** Analysis of tumour suppressor gene p16 and telomerase activity assay among the central nervous system tumour's patients in Malaysia. 2000-2003
3. **Norafiza Zainuddin.** Loss of heterozygosity on chromosomes 10q, 9p, 17p and 13q and mutational analysis of PTEN gene in human malignant gliomas. 2000-2003
4. **Farizan Ahmad.** Analysis of p27 and cyclin D1 genes in gliomas and meningiomas using molecular genetic, immunohistochemical and immunogold electron microscopic techniques. 2004 -2008
5. **Mohd Harizal Senik@ Nawi.** Effect of Mitragnaspeciosa Korth Extract of Psychoactivity on Rat Hippocampus: In Vitro and In Vivo Study. 2007 – 2011
6. **Mohd Nasir Mat Nor.** Effect of Centella asiatica extract of psychoactivity on rat hippocampus: In vivo and in vitro study. 2007 – 2011
7. **Mohd Nor Azim Ab Patar.** Evaluation of two species of sea cucumber extracts on regenerating astrocytes after mechanically induced injury of basal ganglia. 2007 – 2011
8. **Ahmad Tarmizi Che Has.** The potential antiepileptic bioactive compounds acting on GABA (A) receptor from *Myristica fragrans*. 2007 – 2011
9. **Zarif Mohamed Sofian.** Vancomycin and its B-Cyclodextrin Complex: Physicochemical Characterization and its Cytotoxicity Evaluation on Human Glial Cell Line. 2007 – 2011
10. **Siti Zawani Mohd.** Biochemical Characterization of CTCF, its Analogue (BORIS) and Y-Box Binding Protein I (YBI) as a Potential Biomarkers in Glioma and Osteosarcoma. 2007 – 2011
11. **Siti Norhajjah Hashim.** The Quality of Life in Epilepsy Patients with Obstructive Sleep Apnea. 2007 – 2011
12. **Nor Entan Supeno.** Proliferation, apoptosis and telomerase activity study of embryonic striatal stem cell culture under the influence of growth factors. 2008-2013
13. **Raisah Ab Hadi.** Characterization of development stage and neural differentiation potential of rat stem cells in striatal brain tissue and bone. 2008-2013
14. **Syed Fariq Fathullah Syed Yaacob.** Study of isoniazid complexes with B-cyclodextrin as a potential treatment for cerebral tuberculosis. 2008-2013
15. **Mohd Ulul Ilmie Ahmad Nazri.** The behavioral, antiepileptic and electrophysiological effects of the chronic administration of mitragyna speciosa korth to epileptic rat.
16. **Nor Safira Elaina Mohd Noor.** Magnetoencephalography (MEG) source localization using inverse Problem Solution in Patients with brain tumor. 2013 – 2017
17. **Muhammad Bilal.** The potential anti-epileptic effects of steroidal and phenolic compounds from Petung Bamboo (*dendrocalamus asper*) shoots on GABA A receptor. (viva) 2013 – 2015
18. **Farhanah Abd Wahab.** Knowledge, attitude and preventive practices and CNS Tuberculosis among healthcare workers. 2016 – 2018
19. **Nor Anis Nabilah Binti Mohammad Naser** - Elucidating The Involvement of Toll-Like Receptor (TLR) In Mediate Anxiety in Rats. 2021
20. **Nur Aima Hafiza binti Shazali** – Nanocellulose-Based, Active Delivery of Temozolomide In Treating Glioma. 2023

#### **Student PhD (Neurosciences)**

1. **Dr Fauziah Zakaria.** Dynamic Profiling of EEG Data During Seizure Using Fuzzy Information. Ph. D (Mathematics) Area: Mathematical Modelling (Chaos, FTTM & Medicine. 2003-2008

2. **Amidora Idris**. NON-POLAR: GENERALIZATION OF FLAT EEG c 28 ELECTROENCEPHALOGRAPHY  
Phd Area: Mathematical Modelling in Medicine, Differential Geometry & Topology. 2007 -2011
3. **Putri Nur Hidayah Al-Zikri Mohamad Akil** - In Vivo Study and Gene Expression Profiling of Mesenchymal  
Derived Neural Progenitor Stem Cells in Rat Spinal Cord Injury Model. 2021
4. **Muhammad Riddha Bin Abdul Rahman** ,2017, Doctor of Philosophy, Research -Full Time, THE  
EFFECT OF MODERATE TRAUMATIC BRAIN INJURY ON DEFAULT MODE NETWORK: TASK VS  
RESTING STATE, Main Supervisor
5. **Fatin Haniza Binti Zakaria**, 2020, Doctor of Philosophy, Research - Full Time, EFFECTS OF KELULUT  
HONEY ON DEPRESSION IN RAT MODEL, Co-supervisor
6. **Alzahrani Hussain Saad S**, 2016, Doctor of Philosophy, Research -Full Time, Changes of GABA  
Receptor Mediated Synaptic Potential and Immunoreactive modification of IP3 and BDNF-TrkB  
Receptor in the Rat Hippocampal Brain Slice, Co-supervisor

#### Dissertation/Project

1. **Joice Tham Sin Yi**, 2020, Master(Dissertation -Course Work), FUNCTIONAL BRAIN ACTIVATION&  
CONNECTIVITY OF WORKING MEMORY INMODERATE TRAUMATIC BRAIN INJURY: APRELIMINARY  
ADAPTIVE PLASTICITY USING fMRI, Co-Supervisor
2. **Wong Jia Hui**, 2019, Ph.D(Thesis - Research), TheEffects of Centella Asiatica (CA) Extract  
onlonotropic Glutamate Receptors (iGluRs)Involved in Learning and Memory of WistarKyoto Rats:  
An In Vivo and Ex Vivo Model, Main Supervisor
3. **Fatin Haniza Zakaria**, 2019, Ph.D (Thesis -Research), Effects of Kelulut Honey on Depression in Rat  
Model, Co-Supervisor
4. **Chin Jia Wei**, 2019, Master(Dissertation - CourseWork), EEG Indices and Cognitive Functions in  
Healthy Ageing and Mild Cognitive Impairment Group, Co-Supervisor
5. **Dr Mohd Zulkifli Mustafa**. In vitro and in vivo study of Newcastle Disease Virus strain of AF 2240  
and V4UPM against human glioma in ultrastructural perspective. 2007 – 2014
6. **Jong Hui Ying**. An analysis of event related potentials, eye-tracking and gamelan music  
intervention on syntactic structure processing of wh- and yes-no questions among L1 teenagers  
with specific language impairment. 2014 – 2016
7. **Tee Jong Huat**. Epigenetic remodeling and pathway analysis for transdifferentiation of  
mesenchymal stem cells into neural progenitor stem cells targeting neurogenesis, proliferation  
and cell cycle. 2015 – 2017
8. **Rana Fayyaz**. EEG-fMRI Data Fusion in Brain Tumor Assessing during Working Memory Process.
9. **Wajid Mumtaz**. Development of Electroencephalography (EEG) biomarker for major depressive  
order (MDD).
10. Sanisah Abdul Halim, **Jafri Malin Abdullah**, Ab. Rahman Izaini Ghani @ Ab Ghani, Kamarul  
Aryffin Baharuddin, Mohamad Masykurin Mafauzy, Zaitun Zakaria, Diana Noma Fitzrol. A Phase  
3, Randomized, Double-blind, Placebo-controlled, Event-driven Study to Demonstrate the  
Efficacy and Safety of Milvexian, an Oral Factor XIa Inhibitor, for Stroke Prevention after an  
Acute Ischemic Stroke or High Risk Transient Ischemic Attack.
11. Sanisah Abdul Halim, W Mohd Nazaruddin W Hassan, Muhammad Imran Kamarudin, **Jafri Malin  
Abdullah**, Zamzuri Idris, Mohd Jazman Che Rahim, Zaitun Zakaria, Triple therapy prevention of  
recurrent intracerebral disease Event trial (TRIDENT)
12. Sanisah Abdul Halim, **Jafri Malin Abdullah**, Zamzuri Idris, Mohd Khairi Othman, Kamarul Aryffin  
Baharuddin, Muhammad Ihfaz Ismail. An Investigator-Initiated and Conducted, International,  
Multicentre, Stepped-Wedge Cluster, Randomised Controlled Trial Comparing the Effects of  
Different Intensities of Nursing Care Monitoring for Patients with Acute Ischaemic Stroke  
without Critical Care Needs After Thrombolysis Treatment.
13. Muhammad Ihfaz Ismail, **Jafri Malin Abdullah**, Zamzuri Idris, Abdul Rahman Izaini Ghani @ Ab.  
Ghani, Ang Song Yee, Diana Noma Fitzrol, Zaitun Zakaria, Sanisah Abdul. Halim Tranexamic Acid  
for Hyperacute Spontaneous IntraCerebral Haemorrhage (TICH-3)

14. Kamarul Imran Musa, **Jafri Malin Abdullah**, Zariah Abdul Aziz, Feisul Idzwan Mustapha, Mohd Ismail Ibrahim, Aniza Abd Aziz, Tengku Alina Tengku Ismail, Muhammad Hafiz Hanafi, Saniha Abdul Halim, Mohd Zulkifli Abdul Rahim, Sanjay Kinra, Hannah Elizabeth Kuper, Suresh Kumar Kamalakannan, Iliatha Papachristou Nadal. A Scalable Solution for Supporting Informal Stroke Caregivers in Malaysia: Systematic Development and Feasibility Study
15. **Nadhirah Binti Khaidzir**, 2020, Master (Dissertation - Course Work), FIBOD balance training effect on cognition
16. **Inthu Jaa A/p Govindan**, 2020, Master (Dissertation - Course Work), the effect of FIBOD smart balance with 'endless run' game in improving memory and attention in healthy young adults
17. **Lim Hui Sean**, 2019, Master (Dissertation - Course Work), Attention cues for game-based learning in XYZ: An eye tracking study on digital game
18. **Lee Ja Nice**, 2020, Master (Dissertation - Course Work), Effect of smart balance exergame on attention and inhibitory control in healthy young adults
19. **Unaisa Saud**, 2020, Master (Dissertation - Course Work), effect of exergame-based balance training on selective attention and inhibitory control
20. **Chang Shu Chuan**, 2020, Master (Dissertation - Course Work), Balance as mediator: An eye tracking study of the effects of Yoga on attention and inhibitory control among healthy adults
21. **Tan Wei Ting**, 2020, Master (Dissertation - Course Work), The effect of game-based balance training on attention and memory between male and female university students
22. **Khairiah Binti Razali**, 2019, Master (Dissertation -Course Work), Elucidation of Toll-Like Receptor4 (TLR4) on Learning and Memory Functions of Mice Following Chronic Stress. Co-Supervisor
23. **Kartina Binti Ismail**, 2019, Master (Dissertation -Course Work), Role of Circadian Regulation and Brain Network Connectivity in Modulating Cognitive Process in urban poor early Adolescent. Co-Supervisor
24. **Yogendren A/I Murugia**, 2019, Master (Dissertation - Course Work), CognitiveCorrelates of Nutritional Status and Event-Repated Potentials (ERP) Measurements in Urban Poor Adolescents. Co-Supervisor

#### **Student MMED**

1. **Dr. Mohd. Ridzwan Yusof**. Spectrum of brain tumours presenting to the Neurosurgical Unit, Hospital Universiti Sains Malaysia from January 1990 to December 1996.
2. **Dr. Azian Abd. Aziz**. Computed tomography of the brain in predicting outcome of traumatic intracranial hemorrhage in adult patients.1999
3. **Dr. Abd. Muiz Jasid**. Role of surgery in spontaneous Intracerebral hemorrhage: A comparative study of surgical and nonsurgical treatment of Intracerebral hemorrhage with their functional outcomes in Hospital Universiti Sains Malaysia.2000
4. **Dr. Ahmad Marzuki Ibrahim**. Pharmaco-therapy for benign prostate hyperplasia in Hospital Kuala Terengganu, January 1992-December 1999.
5. **Dr. Syed Hassan Syed Abd. Aziz**. An animal study of the effect of rigid internal fixation on craniofacial growth in Hospital Universiti Sains Malaysia.
6. **Dr. Mohd. Zamrin Dimon**. Postoperative pulmonary complication following laparotomy.
7. **Dr. Bambang Suprato**. The effect of surgical repair of congenital diaphragmatic hernia on lung function.
8. **Dr. Vasantha Kasinathan**. A comparative, prospective study of coronary artery bypass grafting operations using conventional technique with off-pump coronary artery bypass grafting in two identical groups conducted at Penang Hospital (1999-2000).
9. **Dr. Laili Suriani Abd. Latif**. Minor head injury: predictors of important ct findings and neurosurgical intervention.2001
10. **Dr. Rozita Mohd. Ghazali**. Comparison of accuracy of magnetic resonance angiography with intra-arterial digital subtraction angiography in imaging the circle of willis.2001
11. **Dr. Chan Hiang Chuan**. A one-year cross-sectional observation study of the acute management of adult mild head injury (MHI) in the Emergency Department Hospital Universiti Sains Malaysia.2000

12. **Dr Shalini Bhaskar.** Detection of P1A2 gene polymorphism in glycoprotein IIIa in patients with migraine.2006

#### **Student MSurg (Neurosurgery)**

1. **Muhamad Fairuz Bin Samsuddin,** 2019, MSurg.
2. **Ng Pei Meng,** 2019, MSurg
3. **Saravanan A/I Sridharan,** 2019, MSurg, Immediate Postoperative CT Angiography after cerebral aneurysm clipping, Detection of Postoperative Aneurysm Residuals
4. **Muhammad Hafiz Bin Haji Mohamad Bohari,** 2019, MSurg
5. **Looi Mun Choon,** 2019, MSurg, Major Depressive Disorder Following Traumatic Brain Injury Among Malaysian Population
6. **Mas Syazaneeza Binti Shab,** 2019, MSurg
7. **Nor Baizura Binti Ismail,** 2019, MSurg
8. **Mohamad Muhaimin Bin Abdullah,** 2019, MSurg,
9. **Tan Shze Ee,** 2019, MSurg, Tranexamic Acid As Anti-Fibrinolytic Agent in Non-Traumatic Intracerebral Hemorrhage (TANICH II)
10. **Mohd Farhan Bin Mohd Faiz Wilson Yeo,** 2019, MSurg
11. **Dr. Pravinna a/p Genesan.** A Comparative Study Looking At Microsurgical Experience With Supraorbital Keyhole Operations And Pterional Approach on Anterior Circulation Aneurysm. 2013
12. **Dr. Senthil Raj Kumar a/I Rajapathy.** Trend of inflammatory markers in predicting outcome in patients with spontaneous intracerebral bleed. 2013
13. **Dr. Mohd Raffiz bin Mohd Ali.** Optic nerve sheath diameter: a mean of detecting raised intracranial pressure. 2012
14. **Dr. Tan Yew Chin.** Prevention of Motorneurons degeneration, nos expression, microglial activation and mitochondrial dysfunction in brachial root avulsion rat models with taxol & minocycline. 2012
15. **Dr. Sim Sze Kiat.** Inhibition on the Expression of Neuronal Nitric Oxide Synthase and Mitochondrial Complex IV Activity Dysfunction After Brachial Plexus Roots Avulsion Injury: An Exploratory Investigation in Animal Model. 2011
16. **Dr. Faizul Hizal bin Ghazali.** Histological analysis of motorneuron survival and microglia inhibition post nerve root avulsion treated with nerve graft implantation and minocycline – an experimental study. 2011
17. **Dr Thinesh Kumaran.** Factors influencing disconnection hyperprolactinemia and reversal of serum prolactin after pituitary surgery in a non-functioning pituitary macroadenoma. 2010
18. **Dr Kamalanathan Palaniandy.** Peritumoural oedema in meningioma: its role in predicting histopathological grading and completeness of resection in patients undergoing surgery for intracranial meningioma. 2010
19. **Dr Puneet Nandrajog a/I Shudesh Kumar.** Evaluation of cognitive impairment with the use of P300 component in event related potential (ERP) and neuropsychology in mild traumatic brain injury (MTBI) patients. 2010
20. **Dr Mohd Hafiz Mohd Zain.** Characteristic differences of neuroimaging and physical findings inflicted and non-inflicted traumatic brain injury in young children. 2009
21. **Dr Saiful Razman Mohd Nor.** Evaluation of energy expenditure in the acute care of severe head injury patients: Indirect calorimeter versus Harris Benedict formula. 2009
22. **Dr Andrean Hussin.** The effect of early mild induced cerebral hypothermia in the management of stable, minimal volume, spontaneous supratentorial intracerebral haemorrhage. 2009
23. **Dr Lee Hock Keong.** Augmentation index in spontaneous intracerebral haemorrhage and its relationship with outcome **Dr Nujaimin Udin.** Post-traumatic brain compliance following evaluation of Mass lesion and its relation to the severe head injury outcome. 2008

24. **Dr Badrisyah Idris.** The anti-proliferative activity of delta-5-3-ketosteroids extracted from *etlingera elatior* on glioma cell in vitro and in vivo.2008
25. **Dr Nasser Abdul Wahab.** Multimodality assessment of mild and moderate head injury patients:an analysis.2007
26. **Dr Mohamed Saufi Awang.** Robotic neurosurgery: an active vision guided robotic arm for endoscopic and bone drilling maneuvers.2007
27. **Dr. Senthil Raj Kumar a/l Rajapathy.** Trend of inflammatory markers in predicting outcome in patients with spontaneous intracerebral bleed.2013
28. **Dr. Adam Mohd Zakaria.** The outcome of chronic subdural hematoma after burr hole and drainage. Will irrigation improve the outcome? 2006
29. **Dr Abdul Rahman Izaini Ghani.** Survival analysis and functional outcome at 6 months in surgical treatment of spontaneous supratentorial intracerebral hemorrhage (ICH).2006
30. **Dr Kantha Rasalingam.** Meningiomas: The relationship of p53 protein in the determination of grading of meningiomas and the various influencing factors.2006
31. **Dr Zamzuri Idris.** Prognostic study of using different monitoring modalities treating severe traumatic brain injury.2005
32. **Dr Toh Charnng Jeng.** The evaluation of the predictors of delayed traumatic intracranial haemorrhage (DTICH) and progressive traumatic brain injury (PTBI) in traumatic head injured patients from Hospital Kuala Lumpur.2005
33. **Dr. Chan Chee Kong** – A 5-year Retrospective Study on Meningioma: Skull base Versus Non-Skull Base meningioma on Incidence, Radiological Features and Outcome in general Hospital Kuala Lumpur. 2016
34. **Dr. Manvinder Singh Mangat** – A Shunt Dependency Outcome of Endoscopic Third Ventriculostomy In the Management of Obstructive Hydrocephalus.2016
35. **Dr. Prabu Rau a/l Sriram** - Factors Affecting Visual Outcome Post Surgery in Sellar And Parasellar Tumor: Retrospective Study. 2018
36. **Dr. Diana Noma Fitzrol** - Neuronal Activation in Patient with Mild and Moderate Traumatic Brain Injury During Working Memory Tasks. 2021

#### **SPECIAL TRAINING IN HOSPITAL UNIVERSITI SAINS MALAYSIA**

1. Special Training Course in Intensive Care and Coronary Care
2. Refresher course on endocrine disease
3. Workshop and symposium on medical education techniques
4. American Heart Association training course on cardiopulmonary resuscitation
5. Workshop on sophisticated invasive haemodynamic monitoring and therapeutic techniques
6. Workshop in the specific management of head injury patients 4<sup>th</sup> September 1999 and 2004.
7. Workshop on Postgraduate Neurology 2001,2002, 2003 and 2004.
8. Brain Awareness Workshop and 3 held in the two Penang Campus in 2004/2005.

#### **PRESENTATIONS: 1 ST PRESENTER OR CO-AUTHOR INCLUDES SPECIAL LECTURES AND ATTENDANCE IN CONFERENCES.**

1. J. Abdullah, J. Caemaert, L. Calliauw, K. Verstraete, E. Achten. Bow Hunters Stroke in a child. Presentation Belgian Society for Neurosurgery. 7.03.92. Abstract published in Acta Neurologica Belgica.
2. E. Duval, J. Caemaert, J. Abdullah, D. Voet, K. Verstraeten, R. Van Coster Cerebellar infarct in a child (poster). First World Congress of Paediatric Intensive Care, Baltimore, Maryland USA June 21-24, 1992.
3. Jafri Abdullah, M. Ridzwan, Badrul Hisham

Management of Vasospasm in Neuropatients. 19th Oct 1995 in Research Presentation USM 1995, pg 44, 1995

4. Jafri Malin bin Abdullah (Malaysia) Professor Kevin Siu (Australia)  
Neurosurgical seminar on management of Subarchnoid Haemorrhage, Management of cranial base tumours and Management of Head Injuries organised by the Neurosurgical Unit, Department of Surgery, School of Medical Sciences, Universiti Sains Malaysia in conjunction with the Malaysian Neuroscience Society and the Malaysia Medical Association.  
9th April 1996. Hotel Perdana, Kijang Room and Lecture Room, Department of Surgery, Kota Bharu, Kelantan, Malaysia
5. A Farouk, J. Abdullah  
A retrospective study on the clinical outcome of subarchnoid haemorrhage following nimodipine usage in correlation with Hunt and Hess criteria  
Pan Pacific Ballroom, Pan Pacific Hotel  
7th Asean Congress of Neurological Surgery  
3rd - 5th October 1996, Kuala Lumpur, Malaysia
6. A. Farouk, J. Abdullah  
Retrospective study on the clinical outcome of subarchnoid haemorrhage following nimodipine usage with Hunt and Hess criteria  
(Abstract Book Third National Conference on Medical Sciences, 25th -26th May 1997. Presented orally at the School of Medical Sciences, Universiti Sains Malaysia, Kelantan, Malaysia)
7. S. Bambang, J. Abdullah, M.Y. Ridzwan, A. Farouk, S. Hassan.  
Incidence and outcome of intracerebral haemorrhage occurring spontaneously between 1990 - 1996 in the North-East Coasts of West Malaysia.  
Differentiation between operated and non-operated cases at 11th International. Congress of Neurological Surgery 6th - 11th July 1997, Amsterdam, The Netherlands.
8. J. Abdullah, J. Muiz, A. Farouk, A. Rahim.  
Spontaneous intracerebral haematomas presenting to the neurosurgical unit from early 1995 till end 1997. Result of aggressive surgical therapy for late arrival patients > 8 hours postictus. (Abstract Book 4th National Conference on Medical Sciences 8-9th June 1998 pg 64. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kelantan, Malaysia).
9. Management of mega giant aneurysm based only a Magnetic Resonance Angiography. Report of the first case in Malaysia. (Abstract Book 4th National Conference on Medical Sciences 8-9th June 1998 pg 67. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kelantan, Malaysia).
10. J. Abdullah, J. Muiz, A. Farouk, A. Rahim. Spontaneous Intracerebral Hematomas presenting to the Neurosurgical Unit from early 1997 of aggressive surgical therapy for late arrival patients > 8 hours postictus. Abstract recent Advances in Stroke and Intracerebral haemorrhage, 3-5<sup>th</sup> April 1998 Malacca Village Paradise Resort Ayer Keroh, Melaka. Pg. 24-25.
11. Nor Hayati Othman, Jafri Malin Abdullah, Othman Abdullah.  
Arteriovenous malformation (AVM) of the temporal dura-death due to extradural haemorrhage following trivial trauma: A case report. (Abstract Book 5th National Conference on Medical Sciences 4-5th May 1999 pg. 52. Presented as a oral at the School of Medical Sciences, Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia).
12. A.S.M. Ridzuan, N. Azam, J. Abdullah, Dimon S, J. Siregar A.R. Ariff, S.S Mutum and Biswal. A rare case of an intramedullary thoracic hemangioendothelioma. (Abstract Book 5th National Conference on Medical Sciences 4-5th May 1999 pg. 73. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia).
13. A.S.M. Ridzuan, D. Tang, J. Abdullah, N.Omar, AR. Ariff. Traumatic rupture of a dural arteriovenous malformation causing fatal extradural hematoma. (Abstract Book 5th National

- Conference on Medical Sciences 4-5th May 1999 pg. 85. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia).
14. A. Hamid, J. Abdullah, A.R. Ariff . Usage of Nimodipine in traumatic subarachnoid haemorrhage: A retrospective study on severe head injury patients. (Abstract Book 5th National Conference on Medical Sciences 4- 5th May 1999 pg. 86. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia).
  15. I.A. Marzuki, J. Abdullah, Mohtar I, A.R.Ariff, Ibrahim L, M. Hamzah D. Tang. Conventional Neurovascular management of three case of carotocavernous fistulas over the period of 5 years. (Abstract Book 5th National Conference on Medical Sciences 4-5th May 1999 pg. 88. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia).
  16. J.Abdullah, I.Abu Bakar, I.Shuaib, N.Naing. Spontaneous intracranial haemorrhage: which patients need diagnostic cerebral angiography? Comparative study between plain computed tomography and cerebral angiography in HUSM. (Abstract book Thirteenth Meeting of the European Neurological Society 14-18 June 2003, Istanbul, Turkey pg II/180.Presented as a poster).
  17. J.Abdullah, M.Md.Ralib, A.R.Mohd. Ariff, I.L.Shuaib. Intracranial subdural empyema in children, burrhole evacuation and outcome in relation to the initial and post treatment CT scan of the brain parameters. (Abstract book Thirteenth Meeting of the European Neurological Society 14-18 June 2003, Istanbul, Turkey pg II/183.Presented as a poster).
  18. J.Abdullah, Z.Idris, A.Ghani, S.Awang, S.Sayuthi , J.George, A.Tahir. The use of thermal diffusion regional cortical blood flow sensors (SABER system) in the management of spontaneous hypertensive hematoma undergoing evacuation and receiving intensive care therapy. (Abstract book Thirteenth Meeting of the European Neurological Society 14-18 June 2003, Istanbul, Turkey pg II/95.Presented as a poster).
  19. N. Kumaraswamy, N.Awang, M.Mohamad Ghazali, MR Abdullah, J.Abdullah. Persistence of cognitive deficits following paediatric head injury without professional rehabilitation in rural East Coast Malaysia. (Abstract book of Fourteenth Meeting of the European Neurological Society 26- 30 June, Barcelona, Spain P281, pg III/115.Presented as a poster).
  20. A.Kifle, N.A Alias, M.M.Abdul Kareem, W.Mar, J.Abdullah. The prognostic value of follow-up computerized tomography of brain in adult patients with moderate and severe head injury following motor vehicle accident. (Abstract book of Fourteenth Meeting of the European Neurological Society 26-30 June, Barcelona, Spain P281, pg III/76. Presented as a poster).
  21. ARI Ghani, J.M Abdullah, P.J George, A.M. Hussin, K.J.J Tharakan, A.Prasad A simple intraoperative chart for stereotactic surgery for movement disorders in developing nation. (Abstracts selected for the presentation at the 16<sup>th</sup> Congress of the European Society for Stereotactic and Functional Neurosurgery (ESSFN) Vienna, June 23- 26, 2004.
  22. Shahid Hassan, Jafri Malin Abdullah, Philips Rajan, Zamzuri. Double swing approach for extensive clival chordoma- a combined external cervical & neurosurgical excision. Oral presentation at 9<sup>th</sup> National Conference on Medical Sciences, 22-23 May 2004 pg 53.
  23. Idris z, Ghani ARI, Sayuthi S, Awang MS, George J, Prakash RG, Abdullah JM. Prognostic Study of using different monitoring modalities in treating severe traumatic brain injury- a preliminary results. Oral presentation at 9<sup>th</sup> National Conference on Medical Sciences, 22-23 May 2004 pg 53.
  24. K.Man, M.M Abdul Kareem, A.Prasad, J.Abdullah. Pilot study : prevalence of negative plain CT and positive perfusion CT scan in cases of acute stroke. Oral presentation at 9<sup>th</sup> National Conference on Medical Sciences, 22-23 May 2004 pg 100.
  25. Dr Azman Kiflie, Assoc.Prof. Dr Nurul Azman Alias, Assoc. Prof.Dr Jafri Malin Abdullah, Dr Salmah@ Win Mar, Dr Abdul Kareem. The prognostic value of initial and follow-up computerized tomography (CT) of brain in adult patients with moderate and severe head injury following motor vehicle accident. Oral presentation at 9<sup>th</sup> National Conference on Medical Sciences, 22-23 May 2004 pg 101.

26. K.Man, MM Abdul Kareem, NA Ahmad Alias, IL Shuaib, J Tharakan, A Prasad, A.M.Hussin, JM Abdullah. Outcome and cost effectiveness of urgent perfusion CT scan services in a rural based Malaysia University Hospital for stroke patients. Proceedings 5<sup>th</sup> World Stroke Congress, June 23-26, 2004, Vancouver B.C.Canada, pg 142.
27. NA Nik Jit, A Tahir, J Abdullah, A. Pany, MS Abdullah, J George, S Sayuthi, Z.Idris, ARI Ghani, S Awang, B Idris, N Wahab. S.S.E.P monitoring detecting intracerebral heamorrhage during embolization. Poster presentation at 9<sup>th</sup> National Conference on Medical Sciences, 22-23 May 2004 pg 159.
28. ARI Ghani, J Abdullah, J George, PR Gollapudi, AM Hussin, J Tharakan and A Prasad. Farizan A, J Abdullah, H Jaafar, I Aini, A Manaf, AO Rahman, Y Khatijah, ML Mohd Azmi, O Fauziah, MM Nordin, M Grissi & N M Yusoff. A Simple intraoperative chart for stereotactic surgery for movements disorders in developing nation. Poster presentation at 9<sup>th</sup> National Conference on Medical Sciences, 22-23 May 2004 pg 160.
29. Idris Z, Ghani ARI, Sayuthi S, Awang MS, George J, Prakash RG and Abdullah JM. A case of an oligodendroglioma treated with stereotactic biopsy and radiosurgery under general anaesthesia. Poster presentation at 9<sup>th</sup> National Conference on Medical Sciences, 22-23 May 2004 pg 161.
30. Idris Z, Ghani ARI, Sayuthi S, Awang MS, George J, Prakash RG and Abdullah JM. Craniofacial surgery – a case of giant clival chordoma. Poster presentation at 9<sup>th</sup> National Conference on Medical Sciences, 22-23 May 2004 pg 162.
31. Idris Z, Ghani ARI, Sayuthi S, Awang MS, George J, Prakash RG and Abdullah JM. Multiple sclerosis or intracranial tumour? : a proper clinical evaluation, radiological images and steroids trial therapy could differentiate them. Poster presentation at 9<sup>th</sup> National Conference on Medical Sciences, 22-23 May 2004 pg 163.
32. MZ Abdullah, J Abdullah, S Awang and Z Idris. Endoscope handling and maneuvering in robotically assisted neurosurgery with active vision guidance. Poster presentation at 9<sup>th</sup> National Conference on Medical Sciences, 22-23 May 2004 pg 177.
33. Saufi A, Abdullah J, John T, Atul P, Munawwir H, George J, Sayuthi s, Tahir A, Abdullah MR and Salmi AR. Nerve conduction study among healthy kelantanase. The influence of age, sex, height and weight on nerve velocities. Poster presentation at 9<sup>th</sup> National Conference on Medical Sciences, 22-23 May 2004 pg 178.
34. J. Abdullah, J. De Reuck, P.Naessens. 15 Dec 1990. Belgian Neurological Society Cytophotometric DNA determination in human neurilemmomas. Abstract published in Acta Neurologica Belgica. January 1991.
35. M. Ridzwan Yusoff, J. Abdullah, S. Chandrasekharan, T. Kannan, A. Ridzwan, O. Norhayati A Rare Brain Tumour Second National Conference on Medical Sciences organised by the School of Medical Sciences, USM Kota Bharu, Kelantan, Malaysia Lecture Hall 3 and 4, 9th - 10th June 1996
36. R. Paijan, MR Johari, J. Abdullah, S. Chandrasekharan. Usage of Antibiotics in Neurosurgery Second National Conference on Medical Sciences organised by the School of Medical Sciences, USM Kota Bharu, Kelantan, Malaysia. 9th - 10th June 1996
37. M. Azmi, M. Ibrahim, J. Abdullah, S. Chandrasekharan. A rare complication of a foot abscess Second National Conference on Medical Sciences organised by the School of Medical Sciences, USM Kota Bharu, Kelantan, Malaysia. 9th - 10th June 1996
38. Faisal, J. Abdullah, S. Chandrasekharan, M. Zahari, O. Norhayati. Stereotactic biopsies done in the Neurosurgical Unit, Department of Surgery, HUSM, correlation with CT Scan, MRI Brain Findings and to Pathological findings. Second National Conference on Medical Sciences organised by the School of Medical Sciences, USM, Kota Bharu, Kelantan, Malaysia
39. M. Sulaiman, K. Salleh, S. Chandrasekharan, J. Abdullah. A retrospective study of brain abscess at HUSM, 1990 – 1994. Second National Conference on Medical Sciences organised by the School of Medical Sciences, USM Kota Bharu, Kelantan, Malaysia. 9th - 10th June 1996.

40. K. Salleh, J. Abdullah. A retrospective study of hydrocephalus in University Hospital Sains Malaysia 1990 – 1993. Pan Pacific Ballroom, Pan Pacific Hotel, during the 7th Asean Congress of Neurological Surgery
41. M. R. Yusoff, J. Abdullah. Dimensions of Brain Tumours Presenting to the Neurosurgical Unit, HUSM from 1990 - 1995: Suitability of Radiosurgery. 7th Asean Congress of Neurological Surgery. 3rd - 5th October 1996, Kuala Lumpur, Malaysia
42. J. Abdullah, T. Kannan, MR Yusoff, O. Noorhayati, S. Sharma. Neurooncologic management of rare brain tumours. 13th Asia Pacific Cancer Conference. 17th Nov - 20th November 1996. Hotel Equitorial, Penang, Malaysia
43. J. Abdullah, R. Paijan, M. Shaiful, S. Hassan, M. Radzi, M. Ashraff Prospective Analysis of gram negative infections in a Neurosurgical Unit over the period of 12 months. (Abstract Book Third National Conference on Medical Sciences, 25th - 26<sup>th</sup> May 1997. Presented orally at the School of Medical Sciences, Universiti Sains Malaysia, Kelantan, Malaysia).
44. R. Paijan, J. Abdullah. Report on usage of ciprofloxacin in 3 Paediatric Neurosurgical Cases. (Third National Conference on Medical Sciences, 25th - 26th May 1997, at School of Medical Sciences, Universiti Sains Malaysia, 16150 Kubang Kerian, Kelantan, Malaysia).
45. H. Shaiful, D. Zamrin, J. Abdullah. Incidence and prevalence at ventriculoperitoneal shunt infections in year 1996. Third National Conference on Medical Sciences, 25th - 26th May 1997, at School of Medical Sciences, Universiti Sains Malaysia, 16150 Kubang Kerian, Kelantan, Malaysia)
46. J. Abdullah, M.Y. Ridzwan. Retrospective and prospective study: Incidence of tumours suitable for radiosurgery in a developing country like Malaysia: Study done before decision to start a radiosurgery programme. The XIII Meeting of the World Society for Stereotactic and Functional Neurosurgery. 1st - 4th July 1997, De Lyon, France.
47. J. Abdullah, N. Azim, O. Nor Hayati. Glioblastoma multiforme of the cerebellum in a child - a case report and review of literature. Malaysian Society of Pathology, 12 -15 December 1997, Pedu Lake Resort. 22nd Annual Scientific Meeting and Annual General Meeting Malaysian Society of Pathologists.
48. A. Muiz, J. Abdullah, A. Farouk, A. Rahim, M. Radzi, M.N. Lokman, A. Mutalib, A. Hamid. Treatment of serious and uncontralable intracranial hypertension in non HIV positive patients with cryptococcal meningitis. (Abstract Book 4th National Conference on Medical Sciences 8-9th June 1998 pg. 9. Presented orally at the School of Medical Sciences, Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia).
49. M.Y. Ridzuan, J. Abdullah. Spectrum of brain tumours presenting to the Neurosurgical Unit, Hospital Universiti Sains Malaysia from January 1990 to December 1996. The incidence and outcome. (Abstract Book 4th National Conference on Medical Sciences 8-9th June 1998 pg 62. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kelantan, Malaysia).
50. J. Abdullah, A.B. Afifi, A. Rani, B.T. Goh. Use of osmotic treated bovine pericardium used for dural grafts in Malaysian patients. (Abstract Book 4th National Conference on Medical Sciences 8-9th June 1998 pg. 63. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia).
51. A. Muiz, J. Abdullah, M. Radzi, A. Kilat, A. Farouk, A. Rahim. Cerebral meliodosis with good outcome: A report a rare case. (Abstract Book 4th National Conference on Medical Sciences 8-9th June 1998 pg 64. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kelantan, Malaysia).
52. A. Farouk, J. Abdullah. Use of bovine xenograft in reconstruction of the anterior cranial fossa. (Abstract Book 4th National Conference on Medical Sciences 8-9th June 1998 pg 66. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kelantan, Malaysia).
53. Nik Azim, Jafri Malin Abdullah, Hashimah Mohsin, Nor Hayati Othman. A rare glioblastoma multiforme of the cerebellum in a child: A case report and review of literature. (Abstract Book 4th National Conference on Medical Sciences 8-9th June 1998 pg 68. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kelantan, Malaysia).

54. J.M. Abdullah. A 7-year study of brain abscess in the East Coast of West Malaysia in the pediatric population. Abstract Oct 1998 CNS Annual Meeting-Seattle Washington.pg. 311.
55. J. Abdullah, M.R. Yusoff. Incidence of Tumours Suitable for Radiosurgery in a Developing country like Malaysia: Retrospective Study Done Before Decision to state a Radiosurgery Program. Abstract XIth Meeting World Society Stereotactic Functional Neurosurgery Lyon 1997 pg 49.
56. A.S.M. Ridzuan, D.S. Sidek, M. Hamzah, N. Azam, J. Abdullah, Mohd Yusof ZA. Extradural cranial empyema in two patients: rare case reports and literature review. (Abstract Book 5th National Conference on Medical Sciences 4-5th May 1999 pg. 84. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia).
57. B.M Biswal, Jafri M, Nik Min Ahmed, Nik Ruzman Idris, Ahmed Zakharia, Sahabuddin Abdullah. Radiotherapy in the tumours of the central nervous system. (Abstract Book 5th National Conference on Medical Sciences 4-5th May 1999 pg. 102. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia).
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  - i) Transternal approach to spinal tumours
  - ii) Invasiveness versus infiltration of brain tumours iii) Chronic neurostimulation for movement disorders
 29th September 1996 and 7th Octobers 1996  
 Lecture Room, Department of Surgery,

School of Medical Sciences, USM Kota Bharu  
Kelantan, Malaysia

98. The usage of Bovine bone graft and cadaveric graft in antero cervical stabilization of cervical of disc hernias and fractures: Preliminary reports. (Abstract Book Third National Conference on Medical Sciences, 25th - 26th May 1997. Presented orally at the School of Medical Sciences, Universiti Sains Malaysia, Kelantan, Malaysia).
99. J. Abdullah. Suitability of chemo and radiosurgery for tumours after genetic therapy in small brain lesions. Hypothetical situation in the north east coast of Malaysia. 3rd Asia-Pacific Conference on Medical Genetics. 2nd - 4th December 1997, UKM, Cheras.
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105. J. Abdullah, K. Abang, A. Hamid. Use of a Z plate synthes system in the anterior thoracic fixation spinal tuberculosis: report of the first case in Malaysia. (Abstract Book 5th National Conference on Medical Sciences 4-5th May 1999 pg.74. Presented as a poster at the School of Medical Sciences, Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia).
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125. N.Kumaraswamy, J. Abdullah. Psychomotor assessment of head injury children at HUSM: Outcome and follow up. (Abstract Book 4th National Conference on Medical Sciences 8-9th June 1998, pg 24. Presented orally at the School of Medical Sciences, Universiti Sains Malaysia, Kelantan, Malaysia).
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  133. Mukhtar, S. F., Mohd Ismail, Z. I., Ahmad, A. H., Abdullah, J. M., Simok, A. A., Sapiai, N. A., Thalamic Probabilistic Connectivity with Cerebral Cortex in Spastic Cerebral Palsy; 8th National Health Seminar 2021, Digital health: Stepping into the Future of Medicine, 7th October 2021
  134. Zamzuri Idris, J. Abdullah, J.P. George, J.Tharakan KJ, A. Prasad, S.Sayuthi, A.Rahman Izaini Ghani, M.Saufi Awang, M.Rusli Abdullah, A.Rahman Mohd.Ariff, G.Ghazali, M.Mohamad Ghazali and I.Roberts. (Abstract Book International Conference on Recent Advances in Neurotraumatology, Bali (Indonesia), August 1-4, 2002, pg 143-147
  135. J. Abdullah, George Jain P, N Murshid, Z Idris, S Awang, S Sayuthi, ARI Ghani, M Mohd Ghazali Cerebro blood flow and microdialysis for head injured with contusion: an analysis. Abstract book 14<sup>th</sup> Biennial Congress of the Asian Surgical Association, Kota Kinabalu, Sabah, 4-6 December 2003, pg 161.
  136. J.Abdullah, N Kumaraswamy, A Naziah, M M Ghazali, M R Abdullah. Persistence of cognitive deficits following paediatric head injury without professional rehabilitation in rural East Coast Malaysia. Abstract book 14<sup>th</sup> Biennial Congress of the Asian Surgical Association, Kota Kinabalu, Sabah, 4-6 December 2003, pg 233.

137. J. Abdullah, I. Zamzuri, S.Awang, S.Sayuthi, A.Ghani, J.P. George Preliminary report of spiegberg monitoring of head injured patients and outcome.12<sup>th</sup> International Symposium on Intracranial Pressure and Brain Monitoring, Hong Kong 16-20 August 2004; pg 77.
138. R. Isa, N.A.N. Abdullah, J. Abdullah. Intracranial pressure monitoring in a general ICU. 12<sup>th</sup> International Symposium on Intracranial Pressure and Brain Monitoring, Hong Kong 16-20 August 2004; pg 94.
139. Abdullah J.M., Tee J.H., Jaafar, State of the art Neuroanatomy research: Signaling Mechanism of Striatal Neural Stem Cells Keynote speaker: Abstract Book *Kongress Nasional Perhimpunan Ahli Anatomi* Indonesia Jakarta, 27-28 March 2015.
140. Keynote speaker for Program Anjuran Institut Antarabangsa Latihan Keguruan MARA(IALKM)-MRSM Biology Teachers Education Summit 2014 on 22 May 2014 at De Palma Ampang Hotel, organized by IALKM.Panel for *Wacana Pelan Pembangunan Pendidikan Malaysia 2013-2015* at Institute of Teacher Education Sultan Mizan Campus on 29 April 2014
141. Invited Speaker for Health & Life Sciences Postgraduate Conference 2014 on 11th June 2014 at Renaissance Hotel, Kota Bharu, organized By Institute for Research in Molecular Medicine (INFORMM)
142. Speaker for 14th NAM Annual Scientific and General Meeting, 16-17 August 2014, Renaissance Kota Bharu Hotel
143. Plenary Speaker for 1st AMDI Postgraduate Colloquium at Institut Perubatan dan Pergigian Termaju (IPPT) on 9 September 2014
144. Neuroscience Talk di Fakulti Sains Kognitif dan Pembangunan Manusia (FSKPM), Universiti Malaysia Sarawak pada 1 Oktober 2014
145. Plenary Scientific Speaker at 4th Biennial Conference of South Asian Association of Physiologist (SAAP)&3rd National Convention of Bangladesh Society of Physiologist (BSP), 5-6 December 2014, Dhaka, Bangladesh
146. Motivational Talk for Parents, Sekolah Kebangsaan Pulau Beluru, Tumpat, Kelantan, 29 Mac 2015
147. Keynote Speaker, State of the art Neuroanatomy research: Signaling Mechanism of Striatal Neural Stem Cells: The Indonesian Association of Anatomy National Congress, 25-26 March 2015
148. Honorary Keynote Speaker, Transforming Clinical Research in Malaysia: Challenges and Opportunities, The 7th Medical Undergraduates' Annual Scientific Research Meeting, 21 September 2015
149. Delivery lectures (Central Nervous System, Visual Pathway, Structure of Neuron, Motor System, Automatic Nervous System, Peripheral Nervous System, Ventricular System, Basal Ganglia, Spinal Cord, Brain Stem, Cerebellum, Cerebral Cortex, Limbic System, Hearing, Vision) at University Teknologi Petronas on 16th till 17th March 2015
150. Workshop Directors & Plenary Speakers; 15 Years' Experience of Teaching and Examining an Asian Neurosurgery Residency Program: How Important will Functional Neurosurgery/Cognitive Neurosciences be Beyond 2020; The 11th Asian Congress of Neurological Surgeons (ACNS)2016 in conjunction with the 21st Annual Scientific Meeting of Indonesian Society of Neurological Surgeons (PERSPEBSI), 8-12 March 2016. Shangri-La Hotel, Surabaya, Indonesia.
151. Plenary Speaker, The Ethnopharmacological Usage of Malaysian /Asian Plants in Neuroscience: What Data is Out There and What More Needs to be Done; International Conference on Natural Products 2016, Permai Hotel, Kuala Terengganu, 15-16 March 2016
152. Invited Speaker, Progression of Neuroscience R & D in Malaysia; IBRO Global Neuroscience Advocacy Workshop 2016, 21st March 2016
153. Keynote Speaker, IBRO-APRC Associate School of Neuroscience, Universiti Teknologi MARA,8-14 August 2016

154. Judgement Pannel for Second Telemedicine Innovation Challenge, Swan Convention Centre-Sunway Medical Centre, 16-18 August 2016
155. Presentation Paper 1 for 'Muzakarah Pakar Hidup dan Mati: Antara Kegfahaman Islam dan Neurosains, 23 October 2016; Title: *Hidup dan Mati: Perspektif Menyeluruh*
156. *Tetamu Utama Temasya Olahraga Tahunan* the Malay College Kuala Kangsar 2017, 11 March 2017
157. Invited Speaker, Neurosurgery Update 2017: Basic Neurosurgery-In the Jungle of Borneo, 8-9 April 2017
158. Invited Speaker, 31st Scientific Meeting of The Malaysian Society Pharmacology and Physiology (MSPP 2017), 18-19 August 2017
159. Panel: International Conference on Clinical and Health Sciences (ICCHS2017); Title: Forum; Impact Factor Versus Impact to Society; Universiti Teknologi Mara, 2 November 2017
160. 1<sup>st</sup> WFNS Neurosurgical Anatomy Webinar. 12<sup>th</sup>-13<sup>th</sup> May 2020. WFNS Neuroanatomy Committee.
161. 6<sup>th</sup> annual BRAIN Initiative Investigators Virtual Meeting. 1 Jun 2020. Participant
162. 6<sup>th</sup> Congress of the European Academy of Neurology-Virtual. 23-26 May 2020. Participant
163. Neurocritical Care: Identification and Management of Elevated Intracranial Pressure (ICP). 21<sup>st</sup> May 2020.
164. Critical Appraisal in Systematic Review, Seminar of Developing Systemic Review and Meta Analysis, Sibul 15 July 2023. Invited Speaker
165. The Why, What, Where, When, Who, Which, How of Clinical Neurosciences: The Science of Connectivity, UNIMAS Neuroscience Symposium 2023. Invited Speaker
166. Progress of Neurosurgical Management of Ischaemic Stroke and Ich in Malaysia, Malaysia Stroke Conference 2023. Invited Speaker
167. Critical Appraisal in Systematic Review, Seminar of Developing Systemic Review and Meta Analysis 2023, Uni. Brawijaya Indonesia. Invited Speaker
168. Policy Panel on Funding and Capacity Building: The Challenges of Brain Research in Malaysia, United Nation General Assembly 78 di New York, USA 2023. Represent ASM.
169. Multimodality Brain Imaging Research in Southeast Asia Over the Last 5 Years: An Overview, General Assembly of the Global Brain Consortium (GBC) Celebrating 100 Years of EEG, Chengdu, China. Invited Speaker

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#### **PUBLIC SERVICE RECORD**

1. Organized and conducted blood donation campaigns in Kelantan under the aegis of the Universiti Sains Malaysia Hospital Blood Banking Services.
2. Participated in conducting certificate courses in cardiopulmonary resuscitation for: Malaysian Dental Association, Red Crescent Society of Malaysia, Fireman's Association, Medical Staff
3. Member of the Hospital Universiti Sains Malaysia, Resuscitation and Teaching Committee
4. President of the Universiti Sains Malaysia Medical Graduate Alumni Society, 1986 - 1987, 1987 - 1988, 1988 - 1989, 1995 - 1996, 1996 – 1997, 1997-2001
5. President of the Malaysian Society of Ghent 1990 - 1991.

6. Yang DiPertua PIBG Sekolah Kebangsaan Kubang Kerian III (1996-2000)
7. Vice president of National Parkinson Foundation Association 1997-2000.
8. Ahli Lembaga Pengelola the Malay College Kuala Kangsar 2017-2019
9. Member of the World Health Organization's (WHO) Global Neurology Network (GNN)

#### **SUB EDITOR AND ASSISTANT EDITOR/ PEER REVIEWER OF INTERNATIONAL JOURNAL**

1. Editorial Board Member Journal of Pediatric Infection Diseases, Turkey
2. Lead Executive Editor Asian Journal of Neurosurgery
3. Editorial Board Member Journal of Behaviour and Brain Science
4. Editorial Board Member Singapore Medical Journal
5. Editorial Board Member Biomedical Research India
6. Editorial Board Member Journal of Integrative Neuroscience
7. Editorial Board Member the Open Psychology Journal, Bentham
8. Editorial Board Member Journal of Clinical Neuroscience, Australia
9. Editorial Board Member Clinical Neurology and Neurosurgery
10. Editorial Board Member Journal of Multiscale Neuroscience, Australia
11. Editorial Board Member Acta Neurologica Scandinavica (Academic Editors)
12. Editorial Board Member for section 'Neuro-oncology' Brain Science-Neuro Oncology MDPI
13. Editor Malaysian Journal of Medical Sciences
14. Editor Peer J, USA
15. Editor Journal of Paediatric Neurology, Turkey
16. Editor Frontiers in Neuroscience

#### **PAST RESEARCH**

1. Brain tumours and genetics. Conducted with Associate Professor DR Mohd Nizam Isa, of the Genetic Unit, School of Medical Sciences, USM Kubang Kerian, Kelantan, Malaysia and Professor Luc Calliauw of Belgium.
2. Viral Therapy of Brain Tumours with the Newcastle Virus Vaccine, Apovax With Professor Aini Ideris, Vice Dean, Faculty Veterinary Medicine University Putra Malaysia and MAKNA (Malaysian Cancer Institute). 2005-2007. Research in Phase one and two of animal research
3. Stroke transplant surgery in phase one (animal research) allogenic neural cell transplant together with The National Tissue Bank, University Science Malaysia.
4. Multicentre study centre coordinator
  - (i) VITATOPS study (AUSTRALIA)
  - (ii) ICP Rescue (UK)
  - (iii) HAMLET (Holland)
  - (iv) ASANDS (Europe)
5. Patch clamp and psychoactive biocompounds in rat models.
6. Scar tissue, paladin and trauma rat model and plant biocompounds.
7. Schwann cell culture in spinal cord trauma model.
8. Research ID: 38534. Research Title: Trend and modelling the abnormal lipid, glucose metabolism and blood pressure as prognostic factors for stroke outcomes in Malaysia. National Medical Research Register

9. Diagnosis and Management of Traumatic Brain Injury: Predictive Biomaging Markers and the Assessment of the Biopsychosocial Aspects of Traumatic Brain Injury (TBI) Patients and Their Caregivers. TRGS Grant (KPT) RM250,000.00 1/16-1/19
10. The potential antiepileptic bioactive compounds acting on GABA (A) receptor from *Myristica Fragrans*. RU, RM 250,000.00, Dr Hasnah Osman and Prof. Steffan Hering, 2007-2010
11. Characterisation of Development Stage and Neural Differentiation Potential of Rat Stem Cells in Striatal Brain Tissue and Bone Marrow, SANOFI-AVENTIS (M) SDN. BHD., RM10,000.00, 1/2/2007-31/1/2010
12. EEG Biofeedback and Mental Health: An Integrative Agenda, USM (RU) RM172,400.00, 30/10/2007-29/6/2011
13. Neurophysiology - Investigation on the Herb to Improve Memory and Learning Process and Detection of Psychoactivity, E PROVIDER ENTERPRISE, RM20,000.00, 1/6/2008-1/6/2011
14. The Effects of Norbomeric Hyperoxia Treatment On Energy Metabolism and Dopaminergic Gene Expression In Basal Ganglia Following Severe Traumatic Brain Injury In C57BL/6J Mouse Model, USM (RU), RM249,982.00, 1/8/2010-31/7/2013
15. Surgical Trial in Lobar Intracerebral Haemorrhage (STICH II), NEWCASTLE UPON TYNE HOSPITALS NHS TRUST, RM2,500.00, 1/10/2010-31/10/2011
16. Surgical Trial in Traumatic Intracerebral Haemorrhage (STICH II), NEWCASTLE UPON TYNE HOSPITALS NHS TRUST, RM5,000.00, 1/12/2010-31/12/2012
17. Generation of Stem Cell-Derived Intervertebral Disc Specific Lineages by Co-Culturing Neural Crest Stem Cells and Mesenchymal Stem Cells, AO SPINE ASIA PACIFIC SOCIETY, RM28,979.05, 18/5/2011-17/5/2012
18. Neurotropism in Central Nervous System Tuberculosis: Understanding The Mechanism of Cellular and Molecular Responses Following Mycobacterium Tuberculosis Infection and its Social Implications, USM (RU), RM891,084.00, 1/12/2011-30/11/2015.
19. Time dependent changes of morphology and molecular characterization around the intracerebellar hemorrhage (ICbH) penumbra in C57B6/J mice brain slices. E-science fund (MOSTI), RM 126,000.00, 1/3/2014 – 28/2/2017, Prof. Hasnan Jaafar, Dr Abdul Aziz Mohamed Yusoff and Dr Farizan Ahmad.
20. Effects of chronic hypoxia on Semaphorin class 3 expressions in human hippocampal neurons and astrocytes. FRGS grant (KPM), RM 140,500.00, 1/7/2/2014 – 30/6/2017. Prof. Hasnan Jaafar, Dr Abdul Aziz Mohamed Yusoff, Shahrum Shamsuddin and Dr Farizan Ahmad.
21. Mitochondrial Dysfunction in Central Nervous System Tumors: Microsatellite Genomic Instability and Altered Respiratory Chain Expression. FRGS grant (KPM), RM 73,000.00, 1/7/2/2014 – 30/6/2017 Prof. Hasnan Jaafar, Dr Abdul Aziz Mohamed Yusoff and Dr Farizan Ahmad.
22. Dysphoria Dynamic Computational Affective Modeling Based on Recalibrated EEG Affective Space Model. FRGS Grant (KPM) RM 92,200.00. Norhaslinda Binti Kamaruddin, Abdul Wahab bin Abdul Rahman, Siti Zaleha Binti Zainal Abidin.
23. Reduction of Ballistocardiogram Artifact from EEG Data Recorded Simultaneously with fMRI scanner. FRGS Grant (KPM) RM 72,000.00. Ibrahima Faye, Aamir Saeed Malik
24. qEEG Index of Mild Cognitive Impairment for the elderly group in Sarawak. FRGS Grant (KPM).
25. Biomedical engineering study of brain neuronal mechanisms using signal analysis of magnetic resonance spectroscopy. FRGS Grant (KPM).

26. Analysis of Functional Brain Connectivity in Neurorehabilitation from Traumatic Brain Injury. FRGS Grant (KPM) RM 135,800.00. Tang Tong Boon, Nor Hisham bin Hamid, Zamzuri bin Idris.
27. Changes of GABA receptor mediated synaptic potential and Immunoreactive modifications of IP3 and BDNF-TrkB receptor in the epileptogenic brain slice culture. FRGS Grant (KPM) RM 161,000.00. Mohammed Faruque Reza, Abdul Aziz Mohamed Yusoff, Tahamina Begum, Hasnan Jaafar
28. Mitochondrial Genome Instability: It's Potential Role in Biomarker Discovery for brain tumorigenesis. RUI Grant, RM209,800.00 .07/12 - 07/15.
29. Fundamental Study on the Effects of EphA2 Inhibition in Angiogenesis Signaling Pathways of Human Malignant Glioma Cells. FRGS 149,000.00, 12/13 - 11/16.
30. The anti-epilepsy effects of DA1, DA2, DA3, and fraction 57 et al, from Petung Bamboo (*Dendrocalamus asper*) shoots on GABA (A) receptor, GluA1 receptor and Kv1.4 channel. FRGS Grant (KPM) RM 110,200.00, 12/13- 11/16.
31. Modulation of the Standardised Extract of *Cantella Asiatica* (Pegaga)(BECA)on GABA and Glutamate Receptors: Identification of Therapeutic Intervention in Neurodegenerative Model. Grant under Ministry of Agriculture & Agro-Based Industry Malaysia (MOA). RM100,000.00 1/15-12/2016
32. Newton Grant, UK-Malaysia: Partnership Call on Non-Communicable Disease. Co Investigators. "A scalable solution for supporting informal stroke caregivers in Malaysia: systematic development and feasibility study". Grant Reference: MR/T018968/1.
33. Trident, Triple therapy prevention of recurrent Intracerebral Disease EvenNts Trial (International, NHMRC, The George Clinical, Australia)
34. Optimist Trial Protocol Title: An Investigator-Initiated and Conducted, International, Multicentre, Stepped-Wedge Cluster, Randomised Controlled Trial Comparing the Effects of Different Intensities of Nursing Care Monitoring for Patients with Acute Ischaemic Stroke without Critical Care Needs After Thrombolysis Treatment. (International, NHMRC AUSTRALIA)
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36. Tranexamic Acid for Hyperacute Spontaneous IntraCerebral Haemorrhage (TICH-3). JEPeM Reference: USM/JEPeM/22070503

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5. Jafri Malin Abdullah, Comic Character Neuron Man (Megat Amir), AR2017001758, 31/05/2017

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11. Ariffin Marzuki Bin Mokhtar, Athirah Raihanah Binti Abdul Wahab, Jafri Malin Abdullah, Nurfaten Binti Hamzah, Nurul Hashimah Binti Ahamed Hassain Malim, Sharifah Aida Binti Shekh Ibrahim, NEURO- DATA CLEARING HOUSE AND NATIONAL CLEARING HOUSE, LY2018000934, 08/03/2018
12. Nurfaten Binti Hamzah, Chen Xin Wee, Jafri Malin Abdullah, Kamarul Imran Bin Musa, Mohd Azmi Suliman, Mohd Ismail Bin Ibrahim, Mohd Zulkifli Bin Abdul Rahim, Muhammad Hafiz Bin Hanafi, Muhammad Hibatullah Bin Romli, Muhammad Iqbal Bin Haji Mukhti, Saniah Binti Abdul Halim, Tengku Alina Binti Tengku Ismail, Tuan Siti Mastazliha Bte Long Tuan Kechik, Soal selidik Kebolegunaan Aplikasi mKesihatan (MAUQ) Untuk Aplikasi mKesihatan Kendiri yang Digunakan oleh Kakitangan Kesihatan, DV2022P02585, 06/07/2022
13. Nurul Hashimah Binti Ahamed Hassain Malim, Jafri Malin Abdullah, Nurfaten Binti Hamzah, Sharifah Aida Binti Shekh Ibrahim, Software Design Specification for Neuro Data Repository and Management System - MyNeuroDB, LY2021P01861, 19/05/2021
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15. Ain Fakhira Putri Binti Yusoff, Jafri Malin Abdullah, Nurfaten Binti Hamzah, Nurul Hashimah Binti Ahamed Hassain Malim, Sharifah Aida Binti Shekh Ibrahim, Neuro data Repository and Management System, LY2019000355, 01/02/2019
16. Jafri Malin Abdullah, Abdul Aziz Bin Mohamed Yusoff, Ahmad Tarmizi Bin Che Has, Aini Ismafairus Binti Abd Hamid, Asma Hayati Bt Ahmad, Aswati Binti Hamzah, Azizah Binti Othman, Azlinda Binti Azman, Aznan Bin Che Ahmad, Farizan Binti Ahmad, Hairul Nizam Bin Ismail, Kamarul Imran Bin Musa, Lee Lay Wah, Low Hui Min, Melissa Ng Lee Yen Binti Abdullah, Mohamed Faiz Bin Mohamed Mustafar, Mohammed Faruque Reza, Mohd Azhar Bin Mohd Yasin, Mohd Nasir Bin Che Mohd Yusoff, Mohd Nor Azim Bin Ab Patar, Mohd Zulkifli Bin Mustafa, Najib Majdi Bin Yaacob, Nor Azila Noh, Nur Hartini Binti Mohd Taib, Nurul Hashimah Binti Ahamed Hassain Malim, Paramjit Singh A/I Jamir Singh, Professor Dr. Zamzuri Idris, Putra Bin Sumari, Rafidah Binti Zainon, Rozaida Binti Abdul Rauf, Salmi Binti Mohd Isa, Salmiza Binti Saleh, Sarimah Binti Abdullah, Shaizatulaqma Binti Kamalul Ariffin, Suhaily Binti Mohd Hairon, Tahamina Begum, Wan Mohd Zahiruddin Bin Wan Mohammad, Wan Nor Arifin Bin Wan Mansor, Zahiruddin Bin Othman, Zurina Binti Hassan, Syllabus of All Core and Elective Courses of Master of Cognitive Neurosciences Program Universiti Sains Malaysia, LY2019006763, 17/10/2019

17. Mohammed Faruque Reza, Abdul Aziz Bin Mohamed Yusoff, Hussain Saad Alzahrani, Jafri Malin Abdullah, Mohd Harizal bin Senik @ Nawi, Nazlahshaniza Binti Shafin, Tahamina Begum, Automated quantification and simulation of GABA receptor mediated synaptic potential and Immunoreactive modifications of IP3 and BDNF-TrkB receptor in the epileptogenic brain slice model (, LY2021W00457, 19/02/2021
18. Nurul Hashimah Binti Ahamed Hassain Malim, Jafri Malin Abdullah, Nur Syafiqah Binti Muhd Sharif, Nurul Amalina Binti Afendi, Raja Baharishah Bin Raja Mohamad, Wan Nor Azlen Binti Wan Mohamad, Know Your Brain, LY2019000352, 01/02/2019
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20. Jafri Malin Abdullah, Nurul Ain Hidayah Binti Abas, Abdul Mujeeb Khan, Asma Perveen, Azizah Binti Othman, Fatanah Ramlee, Geshina Ayu Mat Saat, Hairul Anuar Bin Hashim, Hazalizah Hamzah, Intan Hashimah Binti Mohd Hashim, Kamarul Imran Bin Musa, Md Azman Shahdan, Mohamed Faiz Bin Mohamed Mustafar, Mohd Nasir Bin Che Mohd Yusoff, Mohd Zulkifli Bin Abdul Rahim, Muhammad Hafiz Bin Hanafi, Norzarina Binti Mohd Zaharim, Priyalatha A/p Govindasamy, Rahmattullah Khan Bin Abdul Wahab Khan, Sarimah Binti Abdullah, Wan Nor Azlen Binti Wan Mohamad, Zahiruddin Bin Othman, Zamzuri Bin Idris, Syllabus of All Core And Elective Courses of Integrated Psychology Programme (Master and Doctorate) USM-UPSI : Master Of Psychology (Clinical), Doctor Of Psychology (Clinical Psychology), Doctor Of Psychology (Clinical Neuropsychology), LY2020000165, 17/01/2020
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22. Chen Xin Wee, Jafri Malin Abdullah, Kamarul Imran Bin Musa, Mohd Azmi Suliman, Mohd Ismail Bin Ibrahim, Mohd Zulkifli bin Abdul Rahim, Muhammad Hafiz Bin Hanafi, Muhammad Hibatullah Bin Romli, Muhammad Iqbal Bin Haji Mukhti, Nurfaten Binti Hamzah, Saniah Binti Abdul Halim, Tengku Alina Binti Tengku Ismail, Tuan Siti Mastazliha Bte Long Tuan Kechik, Telehealth Usability Questionnaire (TUQ), DV2022P02588, 06/07/2022
23. Nurfaten Binti Hamzah, Chen Xin Wee, Jafri Malin Abdullah, Kamarul Imran Bin Musa, Mohd Azmi Suliman, Mohd Ismail Bin Ibrahim, Mohd Zulkifli bin Abdul Rahim, Muhammad Hafiz Bin Hanafi, Muhammad Hibatullah Bin Romli, Muhammad Iqbal Bin Haji Mukhti, Saniah Binti Abdul Halim, Tengku Alina Binti Tengku Ismail, Tuan Siti Mastazliha Bte Long Tuan Kechik, Zarit 照顾者的负担调查 Zarit Burden Interview, DV2022P02583, 06/07/2022
24. Saniah Binti Abdul Halim, Chen Xin Wee, Jafri Malin Abdullah, Kamarul Imran Bin Musa, Mohd Azmi Suliman, Mohd Ismail Bin Ibrahim, Mohd Zulkifli bin Abdul Rahim, Muhammad Hafiz Bin Hanafi, Muhammad Hibatullah Bin Romli, Muhammad Iqbal Bin Haji Mukhti, Nurfaten Binti Hamzah, Tengku Alina Binti Tengku Ismail, Tuan Siti Mastazliha Bte Long Tuan Kechik,
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#### **SCIENTIFIC FOUNDATION**

Founder and trustee Brain, Mind, Neuroscience Research Foundation Yayasan Penyelidikan Otak, Minda, Neurosains Malaysia, Ampang, Selangor, Malaysia under Prime Minister Department. Establish on 20<sup>th</sup> June 2017 registration number PPAB-26/2017