

TEMPLATE FOR BRIEF CURRICULUM VITEA (CV) TO BE COMPLETED FOR ALL RESEARCHERS.**1. PERSONAL DATA**

Name : Prof Dr Zamzuri Idris

Nationality : Malaysia

Current Position : Head of the Department Neurosciences

Qualifications : MBBch cardiff UK, MS (Neurosurgery USM)

Field of specialization : Neurosurgery

**2. ACHIEVEMENTS**

On going grants : Short term grant – DTI and brain tumours

Completed grants : Short term grant – Hypothermia and severe head injury (see online for more details)

	Tajuk Projek	Tarikh Mula	Tarikh Tamat
	Randomized Controlled Study Comparing Focal Brain Cooling and Standard Therapy in Severely Head Injured Patients with GCS 6-7	15/10/2010	14/10/2012
	Outcomes and Complications of Focus Irradiation Therapy for Central Nervous System Diseases	15/12/2009	14/12/2010
	Preoperative and Postoperative Diffusion Tensor Imaging in Patients with Intracranial Neoplasms at Frontal or Temporal Regions of the Brain and Their Correlations with Neuropsychological Outcomes for Memory and Attention	1.1.13	1.1.15

Graduated students : Master in Neurosurgery

Postgraduate under supervision : All master Neurosurgery, PhD and Masters (see online for more details)

Patents/ Copyrights/ Filing :

Achievements/Awards / Recognitions : International Boad for Brain Mapping and Therapeutics USA
President B.Obama Brain Initiatives Project (2014 until now)

3. CURRENT RESEARCHS AND PAST RELATED RESEARCHS:

See online – DTI and brain tumours and some other co-researchers in many researches.

Bil	Kod Projek	Penyelidik Utama	Tajuk Projek	Tarikh Mula	Tarikh Tamat	Jenis Projek	Status Projek
1	U1047	PROFESOR MADYA DR. WAN ZAIDAH ABDULLAH	Development Of In Vitro Whole Blood (WB) Clot Method For Fibrinolytic Activity Study And Haemostatic Properties Of Pure Caffeic Acid Phenethyl Ester (CAPE) Compound And Local Propolis	15/3/2013	14/3/2016	RUI (Individual)	AKTIF
2	U0945	DR. ABDUL AZIZ BIN MOHAMED YUSOFF	Mitochondrial Genome Instability: Its Potential Role in Biomarker Discovery for Brain Tumorigenesis	15/7/2012	14/7/2015	RUI (Individual)	AKTIF
3	U0488	PROFESOR AHMAD SUKARI BIN HALIM	A Study Of Keratinocytes, Dermal papilla And Stem Cell Derived From Human Hair Follicle For Skin Substitute Development	1/7/2009	30/6/2012	RUI (Individual)	SELESAI ADALAH LAPORAN
4	U0014	DR. RADIAH BINTI YUSOFF	Pengubahsuaian pendekatan analisis perbualan HAVE (1999), WALKINSON (1999), dan BEEKE et al (2001) untuk menganalisis gangguan bahasa dalam kalangan pesakit kecederaan otak trauma (KOT) di USM	31/10/2007	30/9/2010	RUI (Individual)	DITAMATKAN
5	T0019	PROFESOR MADYA DR. ZAINUL AHMAD BIN RAJION	Biomodelling For Cranio-Maxillofacial Reconstruction: Patient Specific Aesthetic, Functional And Affordable Biomaterial Implant And Protheses	1/2/2013	31/1/2017	RUT (Team)	AKTIF
6	P4032	DR. MOHAMMED FARUQUE REZA	Mapping of Language Cortical Area in Patients with Brain Tumor - a Magnetoencephalography (MEG) Preliminary Study	1/8/2012	31/7/2014	USM Jangka Pendek	AKTIF
7	P3867	DR. MOHD NAZRI BIN SHAFEI	Exploring Risk Factors for Strokes Using GIS-Enhanced Risk Factors Modeling in Kelantan	1/6/2012	31/5/2014	USM Jangka Pendek	AKTIF
8	P3025	PROFESOR MADYA DR. WAN ZAIDAH ABDULLAH	Coagulation Factor XIII and Other Haemostatic Markers in Patients after Intra-Cranial Surgery	1/5/2008	30/4/2010	USM Jangka Pendek	SELESAI
9	A1213	PROFESOR DR. JAFRI MALIN ABDULLAH	Surgical Trial in Traumatic Intracerebral Haemorrhage (STICH II)	1/12/			

4. RESEARCH PUBLICATIONS:

A) International Publication

1. Zamzuri Idris, Dr Ruwaida Isa, Prof Jafri Malin Abdullah: Dec 2003: Outcome of severe traumatic brain injury: comparison of 3 monitoring approaches. *Neurosurgical Focus (American Association of Neurological Surgeons)* : Vol 15 (6): pages 1-7. USA.

2. Zamzuri Idris and Prof Jafri Malin Abdullah: 2003, update on progress in the international multicentre randomised controlled trial of corticosteroids after significant head injury (MRC CRASH Trial). *Current opinion critical care journal*: 9: 92-97. United Kingdom.

3. Zamzuri Idris and Prof Jafri Malin Abdullah: 2004; Effect of intravenous corticosteroids on death within 14 days in 10 008 adults with clinically significant head injury (MRC CRASH Trial): Randomised Placebo-controlled Trial. *The Lancet* 2004; 364: 1321-1328. United Kingdom.
4. Zamzuri Idris, Dr ARI Ghani, Prof Jafri Malin Abdullah:2004; Giant Nerve Sheath Tumour: report of six cases. *Clinical Neurology and Neurosurgery*: 2004: 1-7.
5. Zamzuri Idris, Dr ARI Ghani, Prof Jafri Malin Abdullah: 2005; Early surgery versus initial conservative treatment in patients with spontaneous supratentorial intracerebral haematomas in the international surgical trial in intracerebral haemorrhage (STICH): A randomised trial. *The Lancet* 365: 387-397. United Kingdom.
6. Zamzuri Idris, Prof Jafri Malin Abdullah: 2005; Final Results of MRC CRASH, a randomised placebo-controlled trial of intravenous corticosteroids in adults with head injury-outcomes at 6 months. *The Lancet online* May 26, 2005. www.thelancet.com. United Kingdom.
7. Zamzuri Idris, Rahman Izaini Ghani, Kamarul Imran et al. Prognostic Study of using different monitoring modalities in treating severe traumatic brain injury. *Asian J Surgery* 2007; 30 (No 3): 200-209.
8. Zamzuri Idris, Mohd Ismail Ibrahim, Mazlan Abdullah et al. Cost effectiveness analysis of using multiple neuromodalities in treating severe traumatic brain injury in a developing country like Malaysia. *Asian J Surgery* 2007; 30 (No 4): 261-266.
9. Zamzuri Idris, Manoharan Madhavan, George P Jain et al. Case Reports Intraventricular Squamous Papillary Craniopharyngioma: Report of a case with intraoperative imprint cytology. *Acta Cytologica* 2005; 49 (No 4): 431.
10. Zamzuri Idris, J Abdullah, S Awang et al. Preliminary Report on Spiegelberg pre and post-operative monitoring of severe head-injured patients who received decompressive craniectomy. *Acta Neurochirurgica* 2005; 95 (Supplement): 311-4.
11. Zamzuri Idris, Shah JWD, Jafri Malin Abdullah et al. Combined use of maxillomandibular swing approach and neurosurgical ultrasonic aspirator in the management of extensive clival chordoma : a case report. *J.of Medical Case Reports* 2008; 2 :49 online via internet.
12. Zamzuri Idris, D. Van Roost, J. Caemaert et al. Frameless neuronavigation guided endoscopic total en bloc removal of a third ventricular colloid cyst : a case report on surgical technique. *Minimally Invasive Neurosurgery* 2008; 51:173 – 177.
13. MRC CRASH Trial Collaborators (Malaysia – Zamzuri Idris). Predicting outcome after traumatic brain injury: practical prognostic models based on large cohort of international patients. *British Medical Journal (BMJ)* 2008; doi:10.1136/bmj.39461.643438.25
14. Zamzuri I, U. Nujaimin et al., Post Traumatic Cerebral Oedema in Severe Head Injury is Related to Intracranial Pressure and Cerebral Perfusion Pressure but not to Cerebral Compliance. *Asian J of Surgery*. Volume 32, Issue 3, July 2009, Pages 157 – 162
15. Zamzuri I et al. Inhibitory effect of Asiatic acid on excitatory synaptic transmission in the rat hippocampus. *Current Neurobiology* 2010; 1(2): 161-168.
16. Z Idris et al. Intracerebral haematomas after deep brain stimulation surgery in a patient with Tourette syndrome and low factor XIIIa activity. *Journal of Clinical Neuroscience (Australia)* 2010; 17: 1343 – 1344
17. Idris, Z et al. A parapharyngeal meningioma presenting as a neck mass and multiple cranial nerve palsies. *The Ceylon medical journal* 2011;56(2):73-4
18. Zamzuri I et al. Effects of asiatic acid on passive and active avoidance task in male Sprague-Dawleyrats. *J. of Ethnopharmacology* 2011; 134: 203-209
19. Idris Z et al. Neuronavigation guided endoscopic management of a pineal region tumour with obscured floor of the third ventricle: case report. *Minimally Invasive Neurosurgery* 54 (3); Jun 2011: 125-7
20. Z Idris et al. Association of perioperative factor XIII activity levels and other haemostatic markers with the risk of postoperative intracranial haematoma in a selected cohort of neurosurgical patients. *Acta Neurochir* 2012: DOI 10.1007/s00701-012-1296-2
21. Z Idris et al. Deep brain stimulation – our experience from Kelantan, North Eastern State of Malaysia. *Parkinsonism & Related Disorders* 2012 ; 18 (Jan): S146 in GOOGLE SCHOLAR list
22. Z Idris et al. Microgravity environment and compensatory-decompensatory phases for intracranial hypertension form new perspectives to explain mechanism underlying communicating hydrocephalus and its related disorders. *Asian Journal of Neurosurgery*. 2013.
23. Zamzuri Idris et al. Neuronavigation-guided endoscopic and hodotopic approach to an arachnoid cyst. *Surg Neurol Int.* 2013, 4:120. DOI: 10.4103/2152-7806.118492

24. Regunath K, Zamzuri Idris, et al. Intracranial bleeding following induction of anesthesia in a patient undergoing elective surgery. *Surgical Neurology International*, Year 2013, Volume 4, Issue 1 [p. 124]. DOI: 10.4103/2152-7806.119006
25. Z Idris et al. Fibromyalgia and arachnoiditis presented as an acute spinal disorder. *Surgical Neurology International (USA)*. Oct 2014. 5:151; 1-6
26. Zamzuri Idris et al. Endoscopic fenestration at the splenial-habenular junctional area for symptomatic cavum and tumor at the foramen of Monro: case reports and anatomical review. *Journal of Neurosurgery (American Association of Neurological Surgeon Journal - USA)*. Oct 2014.
27. Z Idris et al. Visual and sensorimotor cortices mapping during awake resection of lesion on the right periatrium: a case report on brainwaves and their peculiar patterns. *Innovative Neurosurgery (German)*. Oct 2014. Ahead of print. DOI 10.1515/ins-2014-0004
28. Zamzuri Idris, Muzaimi Mustapha, Jafri M Abdullah. Microgravity environment and compensatory: Decompensatory phases for intracranial hypertension form new perspectives to explain mechanism underlying communicating hydrocephalus and its related disorders. *Asian Journal of Neurosurgery (Japan)*. 2014, Volume 9, Issue 1 [p. 7-13]. DOI: 10.4103/1793-5482.131058
29. Z Idris et al. Early experience in endoscopic management of massive intraventricular hemorrhage with literature review. *Asian Journal of Neurosurgery (Japan)*. Vol. 9, Issue 3, July-September 2014. 124 -129.
30. Z Idris et al. Neural oscillation, network, eloquent cortex and epileptogenic zone revealed by magnetoencephalography and awake craniotomy. *Asian Journal of Neurosurgery (Japan)*. Vol. 9, Issue 3, July-September 2014.144-152
31. Z Idris et al. Better Glasgow outcome score, cerebral perfusion pressure and focal brain oxygenation in severely traumatized brain following direct regional brain hypothermia therapy: A prospective randomized study. *Asian Journal of Neurosurgery (Japan)*. Vol. 9, Issue 3, July-September 2014. 115 -123
32. Zamzuri Idris et al. Principles, Anatomical Origin and Applications of Brainwaves: A Review, Our Experience and Hypothesis Related to Microgravity and the Question on Soul. *J. Biomedical Science and Engineering (USA)*, 2014, 7, 435-445
33. Khalilah Haris, Zamzuri Idris et al. Expression Profile of Genes Modulated by Aloe emodin in Human U87 Glioblastoma Cells. *Asian Pacific Journal of Cancer Prevention*, Vol 15, 2014: 4499- 4505.
34. Abuzar Elnager, Wan Zaidah Abdullah, Zamzuri Idris et al. In vitro whole blood clot lysis for fibrinolytic activity study using d-dimer and confocal microscopy. *Advances in Hematology* 01/2014; 2014:814684. DOI:10.1155/2014/814684
35. Priya Sharda, Saffari Haspani¹, Zamzuri Idris. Factors prognosticating the outcome of decompressive craniectomy in severe traumatic brain injury: A Malaysian experience. *Asian Journal of Neurosurgery (Japan)*. Vol. 9, Issue 4, October-December 2014. 203-212. DOI: 10.4103/1793-5482.146605
36. Abuzar Elnager, Zamzuri Idris, Wan Zaidah Abdullah et al. Fibrinolytic Activity and Dose-Dependent Effect of Incubating Human Blood Clots in Caffeic Acid Phenethyl Ester: In Vitro Assays. *BioMed Research International*. 01/2015; 2015:10. DOI: 10.1155/2015/627471
37. Jafri Malin Abdullah, Zamzuri Idris, Alwani Liyana Ahmad, Hazim Omar. Transcranial Magnetic Stimulation (TMS) for Neurorehabilitation and Clinical Application. *Brain Stimulation* 8 (2015) 412e427.
38. Abu bakar tijjani salihu, Sangu Muthuraju, Z Idris et al. Functional outcome after intracerebral haemorrhage: A review of the potential role of antiapoptotic agent. *Reviews in the Neurosciences (December 2015)*.
39. Puneet Nandrajog · Zamzuri Idris · WanNor Azlen · JafriMalin Abdullah The use of event-related potential (P300) and neuropsychological testing to evaluate cognitive impairment in mild traumatic brain injury patients. *Asian J Neurosurgery* Jan 2016.
40. Zamzuri Idris Yew Chin Tan Regunath Kandasamy Rahman Izaini Ghani Jafri Malin Abdullah. Transfrontal Transaqueductal, Transtrigonal, and Suboccipital Infratentorial Supracerebellar Endoscopic Fenestration of Posterior Fossa Arachnoid Cysts: Three Surgical Cases. *J Neurol Surg A Cent Eur Neurosurg*. 2016 Mar 11.

B) NATIONAL PUBLICATION

1. Zamzuri Idris. 2002; A rare case of bleeding in a cerebello-pontine angle epidermoid cyst. *Medical Journal of Malaysia*. 57 (1)114-117.
2. Zamzuri Idris. 2004; Congenital Nasal Encephalocele-A review of Surgical Techniques. *Medical Journal of Malaysia*. 59 (4): 552-554.

3. Zamzuri Idris. 2005; Molecular Genetic Analysis of a Supratentorial Haemangioblastoma in a Non-Von Hippel Lindau patient. *Medical Journal of Malaysia*. 60(3): 1-4.
4. Zamzuri I, Kanakaraj G, , Abdullah J, Mohd Ghazali M, Mahamood Z, Shafiee A, et al. Extradural spinal cord and intraabdominal ganglioneuroblastoma. *The Medical journal of Malaysia*. 2005 Dec;60(5):663-6.
5. Zamzuri Idris, NR Nik Idris, W Mar et al. Early Malaysian Experience on the use of head and neck localisers in the precision radiotherapy of intra and extra cranial sites for first 28 cases. *Med J Malaysia*. December 2006; 61(5) :561-565.
6. Solvent Partitioning from *Centella asiatica* methanol extract using TLC technique for Patch Clamp Study. Nasir MN, M Mohd Ghazali, Harizal SN, Azim P, Habsah M, Zulkifli M, Zamzuri I, Rammes G, Hasnan J, Abdullah J. *The Malaysian Journal of Medical Sciences*. 20-21st May 2006. pp 194.
7. Zamzuri Idris et al. A rare case of paediatric pontine glioblastoma presenting as a cerebellopontine angle otogenic abscess. *Malaysian Journal of Medical Sciences* 2008; 15 (1): 44-48.
8. Zamzuri Idris et al. Functional outcome at 6 months in surgical treatment of spontaneous supratentorial intracerebral haemorrhage. *Malaysian Journal of Medical Sciences* 2008; 15 (4): 48 - 55.
9. Zamzuri Idris et al. LINAC Based Radiosurgery and Radiotherapy for Neurosurgical Diseases: what have we learnt so far. *Med J Malaysia* 2011; 66(4): 341-344.
10. Z Idris et al. Polymodal therapy for high grade gliomas: a case report of favourable outcomes following intraoperative radiation therapy. *Med J Malaysia* 2012; 67 (1): 83 -84.
11. Noor HM, Z Idris et al. Isolation of hair follicle stem cell and its three-dimensional proliferation on porous chitosan scaffold. *Regenerative Research*. Vol 1, Issue 1, June 2012. 7-12
12. WM Nazaruddin, Z Idris et al. Awake craniotomy: A case series of anaesthetic management using a combination of scalp block, dexmedetomidine and remifentanyl in hospital universiti sains Malaysia. *Med J Malaysia* 2013 (Feb);68(1):64-66
13. Z Idris. Searching for the Origin through Central Nervous System: A Review and Thought which Related to Microgravity, Evolution, Big Bang Theory and Universes, Soul and Brainwaves, Greater Limbic System and Seat of the Soul. *Malays J Med Sci*. Jul-Aug 2014; 21(4): 69-70.
14. Regunanth K, Zamzuri I et al. Intraoperative Fluorescence angiography for cerebrovascular Neurosurgery in USM. *Malays J Med Sci*. Jul-Aug 2014; 21 (4): 69-70

BOOKS

A) International:

1. Z Idris et al. Minimally Invasive surgical management of pineal region lesions. *THE PINEAL GLAND & MELATONIN: Recent Advances in Development, Imaging, Disease and Treatment*, edited by Turgut M, Raj Kumar and Paul Steinbok. Published by NOVA Science publisher.
2. Z Idris et al. Neurooncological management for pineal region tumours. *THE PINEAL GLAND & MELATONIN: Recent Advances in Development, Imaging, Disease and Treatment*, edited by Turgut M, Raj Kumar and Paul Steinbok. Published by NOVA Science publisher.
3. Zamzuri Idris et al. Neurointensive care monitoring for severe traumatic brain injury. In Amit Agrawal (ed): *Brain Injury Book 1*. 1ST Edition. InTech. 2011: ISBN 978-953-307-614-0
4. Zamzuri Idris, W M Nazaruddin W Hassan, Muzaimi Mustapha, Badrisyah Idris, Rahman Izaini Ghani, Jafri Malin Abdullah. Functional MRI, Diffusion Tensor Imaging, Magnetic Source Imaging and Intraoperative Neuromonitoring Guided Brain Tumor Resection in Awake and Under General Anaesthesia. In: Terry Lichtor (ed.-USA) *BRAIN TUMORS/BOOK 1*. 1st edition, InTech. 2012. (ISBN 980-953-307-721-0)
5. Zamzuri Idris et al. Future Use of EEG, ERP, EEG/MEG, and EEG-fMRI in Treatment, Prognostication, and Rehabilitation of Medical and Surgical Neurological Ailments – A chapter in *EEG/ERP Analysis: Methods and Applications*. Editor(s):Kamel Nidal, Aamir Saeed Malik. 1st Edition. CRC Press - Taylor and Francis Group. Published October 29, 2014. 334 Pages. ISBN-13: 978-1482224696.
6. Abdul Aziz Mohamed Yusoff, Farizan Ahmad, Zamzuri Idris, Hasnan Jaafar and Jafri Malin Abdullah (2015). *Understanding Mitochondrial DNA in Brain Tumorigenesis, Molecular Considerations and Evolving Surgical Management Issues in the Treatment of Patients with a Brain Tumor*, Dr. Terry Lichtor (Ed.), ISBN: 978-953-51-2031-5, InTech, DOI: 10.5772/58965.

Local books

1. Memahami Barah Otak – Editor Jafri M Abdullah. Penerbit USM. 2012. ISBN: 978-983-861-565-5
2. Summary of Readings in Neurosurgery: Brain – contributor in chapters: chapter 1, chapter 3, chapter 4 and 6 in part 1; chapter 6 part 2; chapter 3, 6, 9, 12 and 13 for part 3. ISBN: 978-983-861-601-0

3. Summary of Readings in Neurosurgery: Spine - contributor in chapters: chapter 1 part 1; chapter 2 and 4 part 2; chapter 1 part 3 and chapter 1 part 4. ISBN: 978-983-861-596-

Proceeding

1) Waqas Rasheed, Tong Boon Tang, Zamzuri Idris and Jafri Malin Abdullah. Automated Visualization for Epilepsy Surgical Evaluation. 2013 IEEE International conference on signal and image processing applications. 8-10 october 2013. Melaka. Malaysia

2) Jafri Abdullah, Zamzuri Idris, José M. Sánchez-Bornot, and Pedro A. Valdés-Sosa. A functional MRI and magneto/electro source imaging procedure for cognitive and pre-surgical evaluation. The 9th International Conference on Cognitive Science. 27-30 August, Kuching, Sarawak. Malaysia.

3) Jafri M Abdullah, Zamzuri Idris et al. Transcranial Magnetic Stimulation (TMS) for Neurorehabilitation and Clinical Application. Brain Stimulation.03/2015;8(2):413. DOI:10.1016/j.brs.2015.01.318