

CURRICULUM VITAE

PERSONAL PARTICULARS

Name : REGUNATH KANDASAMY
Date of Birth : 18th of November 1979
Sex : Male
Nationality : Malaysian
IC Number : 791118-07-5651
Current Position : Consultant Neurosurgeon
Field of Specialization : Neurosurgery
Email : kandasamy.regunath@gmail.com



PROFESSIONAL QUALIFICATIONS

Bachelor of Medicine & Bachelor of Surgery (MBBS): 2004, University Malaya
Membership of Royal College of Surgeons (Ireland) 2008 - Royal College of Surgeons in Ireland
Master of Surgery (Neurosurgery): 2012, Universiti Sains Malaysia
JCMT Fellowship in Pituitary & Hypothalamic Surgery, 2014
(Toranomom Hospital, JAPAN)
Spine Fellowship – 2016 (Royal Adelaide Hospital, Adelaide)
Fellow of the American College of Surgeons (USA) – 2021
Fellow of the Royal College of Surgeons of Edinburgh - 2022

PROFESSIONAL EXPERIENCE

	Designation	Hospital	Department	From	To
1	House Officer	Penang Hospital	Obst. & Gyn	16/06/04	15/10/04
2	House Officer	Penang Hospital	Gen. Surgery	16/10/04	15/02/05
3	House Officer	Penang Hospital	Internal Medicine	16/02/05	15/06/05
4	Medical Officer	Penang Hospital	Neurosurgery	16/06/05	31/10/07
5	Medical Officer	Penang Hospital	General Surgery	01/11/07	31/05/08
6	Resident in Master of Neurosurgery Year 1	HUSM	Neurosurgery	01/06/08	31/05/09
7	Resident in Master of Neurosurgery Year 2	Kuala Lumpur	Neurosurgery	01/06/09	31/11/09
8	Resident in Master of Neurosurgery Year 2- 4	Hospital USM, Kubang Kerian	Neurosurgery	01/12/09	31/05/12
9	Clinical Specialist in Neurosurgery	Penang Hospital	Neurosurgery	01/06/12	30/6/12
10	Clinical Specialist in Neurosurgery	Sarawak General Hospital	Neurosurgery	01/07/12	22/09/12
11	Consultant Neurosurgeon & Senior Lecturer	Hospital Universiti Sains Malaysia	Department of Neurosciences	23//09/12	01/02/20

CURRENT POSITION

1. Consultant Neurosurgeon & Head of Department, Gleneagles Hospital Kuala Lumpur
2. Honorary Senior Lecturer, Department of Neurosciences, Universiti Sains Malaysia

EDUCATIONAL & ACADEMIC ACHIEVEMENTS

1) EDUCATIONAL PORTFOLIOS

	Programme / Institution	Position Held	Duration
1.	Masters of Surgery (Neurosurgery) (Universiti Sains Malaysia) – National Neurosurgery Training Programme	1) Lecturer and Programme Coordinator 2) Exam Coordinator 3) Research Coordinator	2012 -2020
2.	Masters of Integrated Neurosciences (USM)	Lecturer and Coordinator of Neuroanatomy Course	2013 -2019
3.	Masters of Cognitive Neurosciences	Lecturer	2018 -2021
4.	MD USM – Undergraduate Programme	Lecturer & Coordinator of	2012 -2019

		Nervous System Block / Neuroscience Posting	
5.	Conjoint Board for Neurosurgery USM & Ministry of Health Malaysia	Member of Candidate Selection Panel Member of Annual Appraisal Panel	2015-2020
6.	Conjoint Board for Neurosurgery USM /UM/UKM & Ministry of Health Malaysia	Member	2021
6.	World Skull Base Fellowship Diploma Programme in Skull Base Surgery (Ramaiah University, Banglore - India	Honorary Faculty Member	2019
7.	Neurosurgery Boot Camp, South East Asia – Yangon, Myanmar	Honorary Faculty	2019

2. ACADEMIC RECOGNITION AND AWARDS

	Institution	Position / Award	Year
1.	Master of Surgery (Neurosurgery)	1) Examiner 2)Award of Best Student in Master of Neurosurgery Programme – YEAR 1 & YEAR 4	2013 -2020
2.	Masters of Integrated Neurosciences / Masters of Cognitive Neurosciences	Thesis Examiner	2015 -2019
3.	Masters of General Surgery & Masters of Emergency Medicine, USM	Examiner	2015 -2019
4.	Jawaharlal Nehru Medical College & USMKLE Medical College, Belgaum India	External Examiner for Undergraduate Clinical Exam – May 2015	2015
5.	Academy of Medicine, Malaysia College of Surgeons	Member of the Academy, Founding member of the Neurosurgery Chapter	2014 – Present
6.	The Surgery Journal, Thieme Medical Publishers, Inc	Reviewer of the Year – Runner Up	2016
7.	School of Medical Sciences,	Top 10 faculty research	

	Universiti Sains Malaysia	publishers for 2017 Top 30 cited authors in 2017	
8.	National Specialist Registry of Malaysia (Malaysian Medical Council)	Chairman of the Education Sub Committee -2020- 2022	
9.	JSCFE Neurosurgery Clinical and Viva Examination	Inviter Observer	2019,2020
10.	Conjoint FRCS Examination, Singapore- Hong Kong	Invited Observer	2019
11.	Malaysian National Conjoint Exam for Selection of Post Graduate Trainees in Neurosurgery – Malaysian Examination Syndicate	Exam Question Setter and Vetter	2019/ 2020
12	World Federation of Neurosurgical Societies Foundation	Recognized and Awarded the Young Pioneer in Neurosurgical Education in June 2021 by the WFNS Foundation	2021

3. RESEARCH & PUBLICATIONS

Publications in Indexed Journals

1. K Regunath , S Awang* , SB Siti , MR Premananda ,WM Tan,RH Haron **,2012. Penetrating Injury to the Head: A Case Review. Medical Journal of Malaysia
2. Regunath Kandasamy, Hillol Kanti Pal, Mummedy Swamy, and Jafri Abdullah. Cerebrospinal fluid nitric oxide metabolite levels as a biomarker in severe traumatic brain injury. International Journal of Neurosciences. 2012. INTERNATIONAL JOURNAL OF NEUROSCIENCES. 385-391
3. Regunath Kandasamy, John Tharakan, Zamzuri Idris, Jafri M. Abdullah. Intracranial bleeding following induction of anesthesia in a patient undergoing elective surgery for refractory epilepsy Surgical Neurology International
4. Regunath Kandasamy, Sim Sze Kiat, Nik Ruzman. An Innovative Modification of an Old Radiosurgery System Malaysian Journal of Medical Sciences.
5. Mohammed Azman Mohammad Raffiq, Mohammed Saffari Mohammad Haspani, Regunath Kandasamy, Jafri Malin Abdullah Decompressive craniectomy for malignant middle cerebral artery infarction: Impact on mortality and functional outcome Surgical Neurology International

6. Ee-Ling Tan, Regunath Kandasamy, Wan-Hitam Wan-Hazabbah, Thavaratnam Lakana-Kumar, Liza-Sharmini Ahmad Tajudin. Third Ventricular Ependymoma Mimicking Foster Kennedy Syndrome- A Case Report Ophthalmology Research: An International JournalL
7. Regunath Kandasamy, Zamzuri Idris, Badrisyah Idris, Tan Yew Chin, Abdul Rahman Izaini Ghani Intraoperative Fluorescence Angiography for Cerebrovascular Neurosurgery in Universiti Sains Malaysia. Malaysian Journal of Medical Science
8. Zamzuri Idris, Mustapha Muzaimi, Rahman Izaini Ghani, Badrisyah Idris, Regunath Kandasamy, Jafri M Abdullah Principles, Anatomical Origin and Applications of Brainwaves: A Review, Our Experience and Hypothesis Related to Microgravity and the Question on Soul Journal of Biomedical Science and Engineering.
9. Zamzuri Idris, Regunath Kandasamy, Faruque Reza, Jafri M. Abdullah Neural oscillation, network, eloquent cortex and epileptogenic zone revealed by magnetoencephalography and awake craniotomy. Asian Journal of Neurosurgery
10. Jayaraman Kogilavaani, Ismail Shatriah, Kandasamy Regunath, Abd Karim Ahmad Helmy Bilateral orbital abscesses with subdural empyema and cavernous sinus thrombosis due to melioidosis in a child. Asian Pacific Journal of Tropical Disease
11. S K Sim,C H Chng,Y C Tan,R Kandasamy,J M Abdullah, Bilateral Subtentorial Empyema Complicated With Nosocomial Acinetobacter Ventriculitis: A Case Report Medical Journal of Malaysia

12. Ahmad Amelia, Thavaratnam Lakanakumar, Ismail Shatriah, Wan Hazabbah Wan Hitam, Kandasamy Regunath Cat Scratch Disease presenting as increased intracranial pressure and aseptic meningitis Asian Pacific Journal of Tropical Disease
13. Zamzuri Idris, Yew Chin Tan, Regunath Kandasamy Rahman Izaini Ghani1 Jafri Malin Abdullah Transfrontal Transaqueductal, Transtrigonal, and Suboccipital Infratentorial Supracerebellar Endoscopic Fenestration of Posterior Fossa Arachnoid Cysts: Three Surgical Cases Journal of Neurological Surgery A
14. Regunath Kandasamy, Jafri Malin Abdullah Cervical Spine Deformity Correction: An Overview. World Neurosurgery
15. Davendran Kanesen, Regunath Kandasamy, Zamzuri Idris Occipital Falcine Anaplastic Hemangiopericytoma Mimicking Meningioma. Journal of Neurosciences in Rural Practice
17. Peter J. Hutchinson et. al, Malaysian Collaborators JM Abdullah, B. Idris, R. Kandasamy, N. Udin, Z. Idris Trial of Decompressive Craniectomy for Traumatic Intracranial Hypertension. New England Journal of Medicine.
18. Davendran Kanesan, Zaitun Zakaria, Chng Ewe Seng, Puneet Nandrajog, Regunath Kandasamy. 2017. Dermatofibrosarcoma protuberance of the scalp: Therapeutic challenges. Australian New Zealand Journal of Surgery. – In Press Impact Factor: 1.158
19. Ailani Ab Ghani, Saiful Azli Mat Nayan, Regunath Kandasamy, Abdul Rahman Izani Ghani, Azmin Kass Rosman Assessment of Pre- and Post-Operative Cerebral Perfusion in Anterior Circulation Intracranial Aneurysm Clipping Patients at Hospital Sungai Buloh Using CT

Perfusion Scan and Correlations to Fisher, Navarro and WFNS Scores .Malaysian Journal Medical Science. Jan–Feb 2017; 24(1): 47–58.

20. Kandasamy Regunath., Abdullah J.M. Commentary Article:Microsurgical excisions of vestibular schwannomas: A tumor size–based analysis of neurologic outcomes and surgical complications. Surgical Neurology International 2011, 2:41.

21. Ailani Ab. Ghani, Saiful Azli Mat Nayan, Regunath Kandasamy, Azmin Kas Rosman and Abdul Rahman Izani Ghani. Characteristics and Outcomes of Patients with Anterior Circulation Intracranial Aneurysm Managed with Clipping in Hospital Sungai Buloh. Malaysian Journal Medical Science. 2016 Nov; 23(6): 113–117.

22. Inflammatory Biomarkers and Their Value in Predicting Survival and Outcome among Patients with Spontaneous Intracerebral Haemorrhage SK Rajapathy, Z Idris, AWSH Regunath Kandasamy, JM Abdullah The Malaysian journal of medical sciences: MJMS 24 (3), 51.

23. Acute proptosis: Unusual initial presentation of sinonasal inverted papilloma. N Ibrahim, B Abdullah, R Kandasamy, NH Othman, M Ibrahim, A Hussein. Journal of Acute Disease 6 (3), 131 2017.

24. Epilepsy Surgery in Hospital Universiti Sains Malaysia: Our Experiences since 2004AS Yee, J Tharakan, Z Idris, S Bhaskar, SA Halim, SA Razak, ZAM Hussin, ...The Malaysian journal of medical sciences: MJMS 24 (6), 97. 2017

25. Primary central nervous system fibrosarcoma. VP Vinodh, R Harun, P Sellamuthu, R Kandasamy Journal of neurosciences in rural practice 8 (Suppl 1), S111. 2017

26. An uncommon *Elizabethkingia meningoseptica* septicemia in hemorrhagic stroke with septic shock patient during prolonged neuro-intensive care management. W Hassan, R Paramasivam, R Kandasamy, MH Hassan, RHM Zaini. *Anaesth Pain & Intensive Care* 21 (2), 268-271.2017.
27. Deep brain stimulation (DBS) for movement disorders: an experience in Hospital Universiti Sains Malaysia (HUSM) involving 12 patients. LL Hooi, DN Fitzrol, SK Rajapathy, TY Chin, SA Halim, R Kandasamy, .*The Malaysian journal of medical sciences: MJMS* 24 (2), 8. 2017
28. Assessment of Pre-and Post-Operative Cerebral Perfusion in Anterior Circulation Intracranial Aneurysm Clipping Patients at Hospital Sungai Buloh Using CT Perfusion. A Ab Ghani, SAM Nayan, R Kandasamy, ARI Ghani, AK Rosman. *The Malaysian journal of medical sciences: MJMS* 24 (1), 47.2017
29. Chee Kong, Chan & Kandasamy, Regunath & Haspani, Saffari & Zamzuri, Idris & Abdullah, Jafri. (2018). Incidence, Clinico-Radiological Features and Outcome of Skull Base versus Non-Skull Base Meningiomas Treated in Kuala Lumpur General Hospital: A Five-Year Experience. *Malaysian Journal of Medical Sciences*. 25. 88-102. 10.21315/mjms2018.25.3.9.
30. Zamzuri Idris, Regunath Kandasamy, Yee Yik Neoh, Jafri Malin Abdullah, Wan Mohd Nazaruddin Wan Hassan, and Mohd Erham Mat Hassan. The First Awake Clipping of a Brain Aneurysm in Malaysia and in ASEAN: Achieving International Standards. *Malays J Med Sci*. 2018 Feb; 25(1):1-4.

31. Davendran Kanesen, Azmin Kass Rosman, and Regunath Kandasamy. Giant Occipital Encephalocele with Chiari Malformation Type 3. *J Neurosci Rural Pract.* 2018 Oct-Dec; 9(4): 619–621
32. Zamzuri Idris, Ang Song Yee, Regunath Kandasamy, Asrulnizam Abd Manaf, Mohd Hasyizan Bin Hassan, Wan Nazaruddin Wan Hassan. Direct Brain Cooling in Treating Severe Traumatic Head Injury Traumatic Brain Injury, 2019 - Intechopen.com. DOI: 10.5772/intechopen.84685.
33. Rakesh Rethinasamy, Azmi Alias, Regunath Kandasamy, Azman Raffiq, Mun Choon Looi, Tassha Hilda. Deep Vein Thrombosis and the Neurosurgical Patient. *The Malaysian journal of medical sciences: MJMS* 26 (5), 139.
34. Wei Chiang Goh, Badrisyah Idris, Regunath Kandasamy, Shaharum Shamsuddin, Hasnan Jaafar, Farizan Ahmad. PCR-RFLP method enhance DNA sequencing of IDH1 somatic mutations detection in gliomas. *Gulhane Medical Journal* 61 (4) -2019
35. Chun Lin Lee, Regunath Kandasamy, Mohammed Azman Bin Mohammad Raffiq. Computed tomography perfusion in detecting malignant middle cerebral artery infarct. *Surgical neurology international.* Vol 10. 2019.
36. CH Goh, MR Hamzah, R Kandasamy, ARI Ghani, SH Wong, Z Idris. The use of magnetic resonance phase-contrast cine in Chiari malformation with syringomyelia. *The Medical Journal of Malaysia* 75 (6), 666-671.

37. S Zulkarnain, N Yunus, R Kandasamy, AB Zun, AAM Zin. Evaluation Study of Intraoperative Cytology Smear and Frozen Section of Glioma. Asian Pacific Journal of Cancer Prevention: APJCP 21 (10), 3085 2020.
38. Thiagarajah R, Kandasamy R, Sellamuthu P. Hypertensive Retinopathy and the Risk of Hemorrhagic Stroke. J Korean Neurosurg Soc. 2021 Jul;64(4):543-551. doi: 10.3340/jkns.2020.0285. Epub 2021 Jul 1. PMID: 34237912; PMCID: PMC8273771.
39. Wan Hassan, W. M. N., Omar, S., Fui, W., Idris, Z., & Kandasamy, R. (2021). Awake craniotomy for clipping of unruptured aneurysm: anesthesia concerns, management and challenges. *Anaesthesia, Pain & Intensive Care*, 25(1), 98-103. <https://doi.org/10.35975/apic.v25i1.1436>
40. Changmai, Manah Chandra; Reza, Mohammed Faruque; Idris, Zamzuri; Kandasamy Regunath, Gohain, Kastury. The Diffusion Weighted Imaging and Its Contribution to the Distinction of Brain Tumour. International Medical Journal . Aug2021, Vol. 28 Issue 4, p383-386. 4p.

BOOK CHAPTERS

1. Regunath Kandasamy , Wan Mohd Nazaruddin Wan Hassan , Zamzuri Idris , and Jafri Malin Abdullah Acute Spinal Disorders Neurointensive Care: A Clinical Guide to Patient Safety Springer International Publishing Switzerland 2015 .257 – 278. **ISBN 978-3-319-17292-7**

2. Sharon Casilda Theophilus , Regunath Kandasamy , Khatijah Abu Bakar , and Jafri Malin Abdullah Neuroimaging in the Neuro-ICU Neurointensive Care: A Clinical Guide to Patient Safety .Springer International Publishing Switzerland 2015 .299-312.**ISBN 978-3-319-17292-7**

3. Kandasamy R., Idris Z., Abdullah J.M. (2019) Surgery of Intracerebral Hemorrhage. In: July J.,Wahjoepramono E. (eds) Neurovascular Surgery. Springer International Publishing, Singapore. **Print ISBN 978-981-10-8949-7**

- 4.Regunath Kandasamy, Liew Boon Seng, Kamarul Imran Musa, Sarimah Abdullah, and Jafri Malin Abdullah.Intramedullary Tumors: Morbidity, Recurrence, Complications and Survival. Spinal Cord and Spinal Column Tumors. Nova Science Publishers, Incorporated, 2019 **ISBN 1536164747, 9781536164749**

- 5.Biswa Mohan Biswal, Regunath Kandasamy, Zamzuri Idris, Tan Yew Chin, and Jafri Malin Abdullah. Adjuvant Therapy in Intramedullary Spinal Cord Tumors. Spinal Cord and Spinal Column Tumors. Nova Science Publishers, Incorporated, 2019

ISBN1536164747,9781536164749

6. Tan Yew Chin, Jafri Malin Abdullah, Gee Teak Sheng, Regunath Kandasamy, Abd Rahman Ghani, and Zamzuri Idris. Spinal Column Tumors: Neuroradiological Imaging . Spinal Cord and Spinal Column Tumors. Nova Science Publishers, Incorporated, 2019

ISBN1536164747,9781536164749

7.. Regunath Kandasamy, Mohd Imran Yusof, Ananda Arumugam, Abdul Rahman Izaini Ghani, Zamzuri Idris, and Jafri Malin. Surgical Approaches to Resectioning Tumors of the Thoracic Spine. Spinal Cord and Spinal Column Tumors. Nova Science Publishers, Incorporated, 2019

ISBN 1536164747, 9781536164749

8. Zamzuri Idris, Ang Song Yee, Regunath Kandasamy, Asrulnizam Abd Manaf, Mohd Hasyizan Bin Hassan, Wan Nazaruddin Wan Hassan. Direct Brain Cooling in Treating Severe Traumatic Head Injury Traumatic Brain Injury, 2019 - Intechopen.com. **DOI: 10.5772/intechopen.84685**

RESEARCH GRANTS

1. **MAKNA Cancer Research Collaboration Grant 2015** – Effects of Newcastle Disease Virus (NDV) on Large Non Human Primate Models – Pre-clinical study
2. **USM Short Term Grant (USM/PPSP/2013/JKP–66(66.3(9))**. Ratio of Nitric Oxide Metabolites in CSF and in Serum of Patients with Subarachnoid Hemorrhage: Correlation with Severity & Outcome. - Completed

3. **FRGS Grant 2016** Neural Plasticity, Functional Reorganization and Network Reconfiguration of the Human Brain after Traumatic Brain Injury in Cognitive, Language and Attention Processing.

MEMBERSHIP (PROFESSIONAL BODIES)

1. **Malaysian Medical Council** - Registration number: 41625
2. **Neurosurgical Association of Malaysia** (Life Member)
3. **College of Surgeons, Academy of Medicine Malaysia**
4. **Society for Neurosciences (SFN)**, Kelantan Chapter
5. **AO Spine**
6. **Asian Congress of Neurological Surgeons**
7. **Walter E Dandy, Neurosurgical Society – Global Society & Malaysian Chapter**
8. **ASEAN Neurosurgical Society**
9. **Asian-Australasian Neurosurgical Society**
10. **Member of Editorial Board for The Surgery Journal, Thieme International**

POSITIONS HELD

(PRESENT)

- **Honorary Secretary, Neurosurgical Association of Malaysia 2019 -2021**
- **Hon. Secretary General, ASEAN Neurosurgical Society 2019 – present**
- **Hon. Secretary, Chapter of Neurosurgery, College of Surgeons, AM**
- **Hon. Secretary, Walter E Dandy Neurosurgical Society, Malaysian Chapter**

(PAST)

- **Chief Resident for Residents in the Master of Neurosurgery Program - USM**
Department of Neurosciences
- **Member of Organizing Committee - 8th Asian Congress of Neurosurgery**
- **Treasurer – 14th Annual Scientific & General Meeting of the Neurosurgical Association of Malaysia, 16-17th August 2014**
- **Coordinator, Department of Neurosciences, USM – ISO 9001:2008**
- **Coordinator, Department of Neurosciences, USM – Staff Education & Training**
- **Organizing Chairman – MS Neurosurgery Microvascular Anastomosis Course 2015**

- **Organizing Chairman** – MS Neurosurgery Stereotaxy Training Course 2015
- **Organizing Co- chairman & Course Director-** Society of Neurooncology International Symposium & Educational Course, KL 2016
- **Committee Member** – National Neurosurgery Collaborative Research Committee
- **Organizing Chairman** – Microvascular & Cerebral Revascularization Course
- **Organizing Chairman**– Stereotaxy & Image Guidance Course
- **Organizing Chairman** – High Speed Drill Course
- **Organizing Chairman & Founder** – Basic and Intermediate Neurosurgery Skills for Residents
- **Committee Member** – Brain Awareness Week 2014
- **Organizing Chairman & Founder** – Malaysian Emergency Neurological Life Support (MENLS)
- **Lead Scientific Chairman, WFNS Symposia Kuala Lumpur Malaysia, 2018**
- **Organizing Chairman** – NAM Symposium on Vascular Malformations, 2020
- **Organizing Secretary** – Symposium on Brain Mapping and Connectomics, 2020
- **Organizing Chairman** – Virtual Congress of the ASEAN Neurosurgical Society & AAA 2021

ORAL PRESENTATIONS (FREE PAPER)

1. Instrumentation in Spinal Tuberculosis. Oral Presentation in the 8th Asian Congress of Neurological Surgeons 2010.

2. The Role of Stereotactic Aspiration, Multimodality Monitoring and Endoscopy in the Management of Intracranial Haemorrhage: The USM Perspective. Oral Presentation in the 5th World Congress of Intracerebral Haemorrhage 2-4th November 2013, Hong Kong.
3. Oral Presentation: Nitric Oxide Metabolite Levels in CSF and Serum Correlate with Severity and Outcome in Patients with Subarachnoid Haemorrhage. EANS Congress 2016.

ORAL PRESENTATIONS (INVITED FACULTY)

NATIONAL

1. Surgery for Intracranial Aneurysms. National Neuroanaesthesia Symposium 2012, College of Anesthesiologists & Academy of Medicine Malaysia.
2. Principals of Pituitary Surgery. National Neuroanaesthesia Symposium 2012, College of Anesthesiologists & Academy of Medicine Malaysia.
3. Anatomy of the Brain, Skull & Spine. Terengganu Neurotrauma Symposium 2014.
4. Spine & Spinal Cord Injuries. Terengganu Neurosurgical Emergencies Symposium 2015.
5. Spinal Cord Injury (Acute Trauma Care) 2014 - 2016. PPSP USM.
6. Endoscopic Approach to the Sellar and Suprasellar Region East Coast Skull Base Workshop 2015 – Lecturer and Surgical Demonstrator
7. Management of Traumatic Cauda Equina Injury. NAM Neurospine Congress 2016.
8. Management of Spinal Deformities. NAM Neurospine Congress 2016.

9. Approach to Spinal Cord Compression. 1st Malaysian Emergency Neurological Life Support Course. October 2016.
10. Surgical approach to Endonasal Microscopic Transphenoidal Surgery. 2017. Endonasal Microscopic Transphenoidal Surgery Workshop HKL. Department of Neurosurgery HKL.
11. Principles of ICP management and Cerebral Vascular Dynamics. National Preparatory Course for Neurosurgery Residents – HSA JB, HSB 2015 -2019
12. Updates in Managing Brain and Spine Tumours . Annual General Meeting of the Malaysian Medical Association, Kota Bharu, Kelantan 2018.
13. Management of Spinal Cord Tumours & Approach to Neurosurgical Emergencies Sarawak Neurosurgery Update and Hands on Spine Workshop – June 2018
14. Advances in Managing Brain Tumours & Management of Complication of Spinal Surgery Sarawak Neurosurgery Update & Spine Workshop - February 2020.

INTERNATIONAL

1. Greg Wilkins Barrick Update in Neurooncology in Malaysia. 2016. Society for Neurooncology 21st Annual Scientific Meeting & Education Day. Scottsdale Arizona, USA.
2. Silent Corticotroph Adenoma. 2017. 27th Annual Meeting of the Japanese society for Hypothalamic & Pituitary Surgery
3. Complication Avoidance in Anterior Skull Base Surgery – Walter E Dandy Annual Meeting, St Louis. 2017 & Faculty in Skull Base Workshop.
4. Principles of Instrumentation of the Cervical. Annual Spinal Workshop of the Cambodian Neurosurgical Society. February 2018.

5. Complication Avoidance in Skull Base Surgery – Egyptian Neurosurgical Society & Continental African Society of Neurosurgery Annual Meeting, 21-24th of April 2018, Cairo . Egypt.
6. Complication Avoidance in Anterior Skull Base Surgery. Walter E Dandy Neurosurgical Society Annual Meeting, Cabo San Lucas Mexico 2018
7. Advanced Therapeutics in Traumatic Brain Injury. WFNS Symposia KL 2018
8. Management of Foramen Magnum Meningiomas. World Federation of Skull Base Societies, Interim Meeting, Bangkok December 2018.
9. Management of CSF Leak and Complication of Spinal Surgery. WFNS Symposia Belgrade March 2019.
10. Supraorbital Approach to Tuberculum Sellar Meningiomas & Endoscopic Transclival Approach to Foramen Magnum Meningiomas .ACNS & WFNS Live Surgery Seminar. Hyderabad, India. March 2019.
11. My Complicated case in Skull Base Surgery – World Dandy Congress, Kathmandu, Nepal. September 2019
12. Minimally Invasive Management of Anterior Skull Base Meningiomas and Foramen Magnum Meningiomas. WFNS Special World Congress, September 2019.
13. Approach to Tuberculum Sellar Meningiomas. 2nd Annual Conference of the Nobel Institute of Neurosciences. December 2019.
14. Minimally Invasive Skull Base Approaches . World Skull Base Diploma Fellowship Programme. Ramaiah University, Bangalore, India December 2019.
15. ACNS Virtual Meeting 2020 – Minimally Invasive Approaches for Skull Base Meningiomas 2020.

SOCIAL PORTFOLIOS

1. Honorary Advisor – Indian Cultural Society of USM Health Campus
2. Honorary Consultant – Sivasanta Charity Free Specialist Clinic, Penang
3. Track Neurosurgeon – International Moto Grand Prix, Sepang International Circuit, KL
2018,2019.