

Report of 29th MSN ANNUAL SCIENTIFIC MEETING 2019

'30 Years, From Strength to Strength' (4-8 JULY 2019)





INTRODUCTION

The 29th Annual Scientific Meeting of the Malaysian Society of Neurosciences (MSN) was held in commemoration of the MSN 30th Anniversary, in the vivacious east coast city of Kota Bharu, Kelantan (July 4 to 7, 2019). As we celebrate our 30 years of networking with the neuroscience fraternity within Malaysia, and beyond, we brought to you the MSN 2019 conference theme: '30 Years From Strength to Strength' (#msnstrongertogether).

MSN 2019 drawed 600 delegates, chiefly from Malaysia, and shall feature renown international and local speakers. The focus of our scientific program was on Neurology Emergencies, an important area of clinical practice and patient care. In addition, we featured several exciting Pre-Conference workshops to enrich the learning experiences of MSN 2019 conference delegates. We are excited with the opportunities that this platform would foster, with sharing and exchange of evidence-based practices and scientific endeavours among the neurologists, physicians, emergency physicians, neurosurgeons, general practitioners, neuroscientists, medical officers, paramedics and allied health professionals.

OBJECTIVE

 This platform would foster, with sharing and exchange of evidence-based practices and scientific endeavours among the neurologists, physicians, emergency physicians, neurosurgeons, general practitioners, neuroscientists, medical officers, paramedics and allied health professionals

PARTICIPANTS

Summary of all MSN2019 Participants

		Main + Workshop	Workshop only	Subtotal
1.	Online Masterlist	-	-	536
2.	Manual Registration Delegates	17	-	17
3.	BNC + LOC	55	-	55
4.	Clinical Speakers	47	-	47
			TOTAL	655

Summary of Workshop Participants

		Main + Workshop	Workshop only	Subtotal
1.	EEG Workshop	35	14	72
1.	Neurology Masterclass	109	40	155
2	Basic NIOM Workshop	14	19	41
3.	Neuro Care for Nursing	-	44	44
			TOTAL	312

ORGANISING COMMITTEE

ORGANISING COMMITTEE

CONFERENCE CONVENOR ASSOC. PROF. DR. TAN AI HUEY (MSN President)

CONFERENCE CO-CHAIRS

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(MSN Central Exco)

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(MSN Honorary Treasurer)

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(MSN Adult Neurology) – Neurology Masterclass

DR. GOH KWANG HWEE (MSN Central Exco) – Neurology Masterclass DR. TAN KENNY

(MSN Honorary Secretary) – Neuroscience Crosstalk DR. SITI RAFIDAH YUSOF

(MSN Assistant Treasurer) – Neuroscience Crosstalk

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SCIENTIFIC & PRESENTATIONS

DR. TARMIZI CHE HAS (USM) ASSOC. PROF DR. NILESH KUMAR MITRA (IMU) ASSOC. PROF DR. CRYSTALE LIM SIEW YING (UCSI) DR. SANGU MUTHURAJU (USM) DR. TAHAMINA BEGUM (USM) DR. IDRIS LONG (USM)

DR. MOHD HANAFI AHMAD DAMANHURI (UKM) DR. SUZITA MOHD NOOR (UM) DR. NG KHUEN YEN (MONASH UNIVERSITY MALAYSIA)

PROGRAMME BOOK & PUBLICATION

DR. MOHD NOR AZIM AB PATAR (USM) ASSOC. PROF. DR. ABDAH MD AKIM (UPM) ASSOC. PROF. DR. THILAKAVATHY KARUPPIAH (UPM) ASSITANT PROF. DR. WAEL MOHAMED (UIA)

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WEBMASTER

DR. CHE MOHD NASRIL CHE MOHD NASSIR (USM) DR. MICHAEL LING KING HWA (UPM)

Malaysian Society of Neurosciences Annual Scientific Meeting 2019

SCIENTIFIC PROGRAM FOR MAIN CONFERENCE (CPD: 16 Points; MMC Event ID: 7654) Venue: Grand Riverview Hotel, Kota Bharu

Date	6 July 2019 (Saturday)		
7.30am	Registration		
8.30am	Plenary Session I Chairs: Dato' Dr Hj Mohd Hanip Rafia & Datuk Dr Raihanah Abd Khalid "Lessons I Learned from My Patients" by Dr Santhi Datuk Puvanarajah (<i>Hospital Kuala Lumpur</i>), Prof Dato' Dr Raymond Azman Ali (<i>Universiti Kebangsaan Malaysia</i>), Prof Dr Goh Khean Jin (<i>University of Malaya</i>) & Dr Yong Fee Mann (<i>Sime Darby Medical Centre</i>)		
10.00am	Opening Ceremony MSN Lifetime Achievement Award MSN 30 th Anniversary Special Awards MSN Best Publication Awards Malaysian Brain Bee Challenge Awards		
10.45am	Morning tea		
11.15am 11.45am 12.15pm	Plenary Session II Chairs: Prof Dr Nortina Shahrizaila & Assoc Prof Dr Samuel Easaw "Waking Up to Narcolepsy: Updates on Diagnosis & Management" by Prof Dr Aatif Husain (Duke University School of Medicine, USA) "Approach to Headache" by Dr Julia Shahnaz Merican (Prince-Court Medical Centre) "Cerebral venous thrombosis: treatment and challenges" by Dr Soo Hua Huat (Timberland Medical Centre)		
12.45pm	Lunch Symposium 1 (Novartis)	Lunch Symposium 2 (Boehringer Ingelheim)	
2.00pm	Parallel I: Infections of the Central Nervous System Chairs: Prof Dato' Dr Tan Chong Tin and Dr Joyce Pauline Joseph 2.00 – 2.30pm "Updates on bacterial meningitis" by Assoc Prof Dr Wan Aliaa (<i>Universiti Putra</i> <i>Malaysia</i>) 2.30 – 3.00pm "Updates on viral encephalitis" by Dr Sapiah Sapuan (<i>Hospital Sungai Buloh</i>) 3.00 – 3.30pm "Neuroimaging of CNS infections" by Prof Dr Tchoyoson Lim (<i>National</i> <i>Neuroscience Institute, Singapore</i>) 3.30 – 3.45pm Case presentation by Dr Steve Ng Chen Fei (<i>Universiti Kebangsaan Malaysia</i>)	Parallel II: BNC Grand Discourse: Controversies in Neuroscience of Brain Ageing "What Do We Know & What We Don't Know" Moderator: Dr. Anwar Norazit (University of Malaya) 2.00 – 2.40pm: Dr Mohd Hanafi Ahmad Damanhuri (Universiti Kebangsaan Malaysia) 2.40 – 3.10pm: Assistant Prof Dr Wael Mohamed (International Islamic University of Malaysia) 3.10pm – 3.30pm Q&A	
3.30pm	Tea Break		
4.00pm	Parallel III: Neuro-intensive care Chairs: Dr Ang Chong Lip and Assoc Prof Dato' Dr Abdul Rahman Izaini Ghani 4.15 – 4.45pm	Parallel IV: BNC Oral Presentations *Presentation of seven short-listed abstracts in basic neuroscience research Chair: Assoc Prof Dr Zurina Hassan (Universiti Sains Malaysia)	

	 "Approach to neuromuscular emergencies" by Dr Hiew Fu Liong (Hospital Kuala Lumpur) 4.45 - 5.15pm "Approach to disorders of conscious state" by Dr Cheah Chun Fai (Hospital Ipoh) 5.15 - 5.45pm "Management of cerebral edema" by Dr Azman Raffiq (Hospital Kuala Lumpur) 5.45 - 6.00pm Case Presentation by Dr Kok Huey Tean (Hospital Seberang Jaya) 	4.00 - 4.08 pm: Abstract 01 Presenter 4.08 - 4.16 pm: Abstract 02 Presenter 4.16 - 4.24 pm: Abstract 03 Presenter 4.24 - 4.32 pm: Abstract 04 Presenter 4.32 - 4.40 pm: Abstract 05 Presenter 4.40 - 4.48 pm: Abstract 06 Presenter 4.48 - 5.00 pm: Abstract 07 Presenter 5.00 - 6.00pm: AGM for Members of the Basic Neuroscience Council		
6.00pm	Annual General Meeting for Malaysian Society	of Neuroscience (all MSN members invited)		
Date	6 July 2019 (Saturday)			
	Conference Dinner – Celebrating 30 th Anniversa	y of the Malaysian Society of Neurosciences		
6.45pm	Pre-dinner drinks	,		
¥	Mohandas Memorial Lecture			
7.15pm 7.45pm	"30 years of Neurology – Where are we today?" by Prof Dato' Dr Tan Chong Tin (<i>University of Ma</i> "30 years of Neurosurgery – Where are we today	Chairs: Assoc Prof Dato' Dr Hari Chandran (<i>NAM</i>) & Assoc Prof Dr Tan Ai Huey (<i>MSN</i>)		
8.15pm	Dinner and social events			
10.30pm	End			
10.50pm	End			
10.50µm	End			
Date	T July 2019 (Sunday)			
	7 July 2019 (Sunday)			
Date 8.30am 9.00am 9.30am	7 July 2019 (Sunday) Plenary Session III Chairs: Prof Dr Lim Kheng Seang & Dr Sanihah Al "Status Epilepticus" by Prof Dr John Dunne (University of Western Aus "Management of First Seizure" by Dr Jayaganth (Pantai Hospital, Sungai Petani) "Hypokinetic Emergencies" by Prof Dr Lim Shen-Yang (University of Malaya) "Hyperkinetic emergencies"			
Date 8.30am 9.00am 9.30am 10.00am	7 July 2019 (Sunday) Plenary Session III Chairs: Prof Dr Lim Kheng Seang & Dr Sanihah Al "Status Epilepticus" by Prof Dr John Dunne (University of Western Aus "Management of First Seizure" by Dr Jayaganth (Pantai Hospital, Sungai Petani) "Hypokinetic Emergencies" by Prof Dr Lim Shen-Yang (University of Malaya) "Hyperkinetic emergencies" by Dr Lim Thien Thien (Island Hospital)			

12.45pm	Lunch Symposium 3 (Sanofi)	Lunch Symposium 4 (<i>Merck</i>)
2.00pm	Parallel VII - Stroke and Thrombolysis Chairs: Dr Khairul Azmi Ibrahim and Prof Dr Hamidon Basri 2.00 - 2.30pm"Approach and management of hemorrhagic stroke" by Dr Law Wan Chung (Hospital Kuching) 2.30 - 3.00pm"Overview of reperfusion therapy for ischaemic stroke" by Assoc Prof Dr Hoo Fan Kee (Universiti Putra Malaysia) 3.00 - 3.30pm"Imaging for hyperacute stroke: era of endovascular thrombectomy" by Dr Wan Asyraf (Universiti Kebangsaan Malaysia) 3.30 - 4.00pm"Cases of stroke thrombolysis - standard indications & beyond" by Dr Tan Wee Yong (Thompson Hospital) 4.00pm - 4.15pm Case Presentation by Dr Mohamed Aslam Mohamed Michadhu (Hospital Kuala Terengganu)	Parallel VIb: Celebrating BNC Researchers II Chair: Dr. Siti Salmi (Universiti Sains Malaysia) 2.00 – 2.15 pm: Dr Muhammad Zulfadli Mehat (Universiti Putra Malaysia) 2.15 – 2.30 pm: Assoc Prof Dr Igor Iezhitsa (Universiti Teknologi MARA) 2.30 – 2.45 pm: Dr Melati Khalid (Universiti Putra Malaysia) 2.45 – 3.00 pm: Dr Mohd Zulkifli Mustafa (Universiti Sains Malaysia) 3.00 – 3.15 pm: Dr Muthuraju Sangu (Universiti Sains Malaysia) 3.15 – 3.30 pm: Dr Idris Long (Universiti Sains Malaysia) 3.30 – 3.45 pm: Dr Mohamed Faiz Mohamed Mustafar (Universiti Sains Malaysia) 3.45 – 4.00 pm: Dr Mohd Nor Azim Ab Patar (Universiti Sains Malaysia)
4.15pm	Closing Ceremony MSN Best Oral and Poster Awards	
4.45pm	End	

PRE-CONFERENCE WORKSHOP I (CPD: 10 Points; MMC Event ID: 7660) ASEPA-ANZAN EEG TEACHING COURSE

Venue: Grand Riverview Hotel, Kota Bharu, Kelantan

Date	4 July 2019 (Thursday)		
Time	Торіс	Speaker	
9.00am	Registration		
9.45am	Opening Addresses	Prof Dr Ernie Somerville & Prof Dato' Dr Raymond Azman Ali	
10.00am 10.30am	Technical 1 – The Basic Breakout Session 1	Assoc Prof Dr Ernie Somerville Teaching Faculty	
11.30am 12.00pm	Normal EEG 1 - Awake Breakout Session 2	Prof Dr John Dunne Teaching Faculty	
1.00pm	Lunch Symposium (Liva Nova)		
2.30pm 3.00pm	Normal EEG 2 – Sleep Breakout Session 3	Prof Dato' Dr Tan Chong Tin Teaching Faculty	
4.00pm	Tea Break		
4.30pm 5.00pm	Technical 2 – Localization and Artefacts Breakout Session 4	Assoc Prof Dr Fong Choong Yi Teaching Faculty	
6.00pm	End		
Date	5 July 2019 (Friday)		
Time	Торіс	Speaker	
8.30am 9.00am 10.00am	Non-Epileptiform Patterns Breakout Session 5 Generalized Epileptiform Patterns	Prof Dr Tan Hui Jan Teaching Faculty Prof Dr Lim Kheng Seang	
10.30am	Breakout Session 6	Teaching Faculty	
11.30am	Lunch Symposium (Sanofi)		
1.30pm 2.00pm	Focal Epileptiform Patterns and Normal Variants Breakout Session 7	Prof Dato' Dr Raymond Azman Ali Teaching Faculty	
3.00pm	Tea Break		
3.20pm	How to read and how to report an EEG Clinical utility of EEG EEG Quiz	Prof Dr John Dunne Assoc Prof Dr Ernie Somerville Teaching Faculty	
5.50pm	Closing Remarks	Prof Dato' Dr Raymond Azman Ali	
6.00pm	End		

*Faculty: Prof Dato' Dr Raymond Azman Ali (Universiti Kebangsaan Malaysia), Assoc Prof Dr Ernie Somerville (University of New South Wales, Australia), Prof Dr John Dunne (University of Western Australia, Australia), Prof Dato' Dr Tan Chong Tin (University of Malaya), Assoc Prof Dr Fong Choong Yi (University of Malaya), Prof Dr Tan Hui Jan (Universiti Kebangsaan Malaysia), Prof Dr Lim Kheng Seang, (University of Malaya), Dr Suganthi Chinnasami (Hospital Kuala Lumpur), Dr Raymond Tan Yen Leong (Sunway Medical Centre) & Dr Steve Ng Chen Fei (Universiti Kebangsaan Malaysia).

***ASEPA Part 2 EEG Examination will be held during MSN Annual Scientific Meeting in Grand Riverview Hotel, Kota Baru on Saturday, 6 July 2019. For those who have passed ASEPA Part 1 EEG Examination and are interested to take the Part 2 exam, please inform Prof Dr Lim Shih Hui (at lim.shih.hui@singhealth.com.sg), and cc the email to Prof Dr Lim Kheng Seang (kslimum@gmail.com), before 31 May 2019

PRE-CONFERENCE WORKSHOP II (CPD: 10 Points; MMC Event ID: 7661) NEUROLOGY MASTERCLASS FOR POSTGRADUATE Venue: Grand Riverview Hotel, Kota Bharu, Kelantan

This two-day workshop has been carefully designed to help participants develop a systematic approach to neurological examination and diagnosis. We bring together neurology teachers from institutions across Malaysia to cover a large variety of interesting neurology cases including common postgraduate exam cases. Participants will witness first-hand how the neurologist examines and demonstrates the clinical signs on patients, with discussion of essential learning points. This Neurology Masterclass is a golden learning opportunity for medical officers, postgraduate students (MRCP/MMED) and aspiring neurology/neurosurgery/psychiatry trainees.

Date	4 July 2019 (Thursday)		
Time	Topic Speaker		
1.30pm	Registration		
2.00pm	Introduction and housekeeping	Dr Sanihah Abdul Halim	
2.15pm	Basic neuroanatomy & framework for making bedside neurological diagnosis	Prof Dr Lim Kheng Seang	
3.00pm	Approach to cranial nerves examination	Dr Shanthi Viswanathan	
3.45pm	Approach to speech examination & disorders	Dr Sanihah Abdul Halim	
4.15pm	Tea Break		
4.45pm	Approach to lower limb examination	Assoc Prof Dr Tan Ai Huey	
5.30pm	Approach to upper limb examination	Dr Law Wan Chung	
6.15pm	Approach to "Look and Proceed	Dr Goh Kwang Hwee	
7.00pm	End		
Date	5 th July 2019 (Friday)		
Time	Торіс	Speaker	
8.15am	Common pitfalls in bedside neurological examination – Tips from the Examiner	Prof Dato' Dr Raymond Azman Ali	
9.00am	Approach to gait examination	examination Dr Goh Kwang Hwee	
9.45am	Tea Break		
10.15am	Approach to parkinsonian examination & disorders	Assoc Prof Dr Tan Ai Huey	
11.00am	Approach to cerebellar examination & disorders	Dr Tan Kenny	
11.45am	Approach to hyperkinetic movement disorders	Assoc Prof Dr Tan Ai Huey	
12.15pm	Lunch Symposium (GlaxoSmithKline GSK)		
2.15pm	Approach to lower motor neuron lesions - diagnosis, investigations and management	Dr Hiew Fu Liong	
3.00pm	Approach to upper motor neuron lesions - diagnosis, investigations and management	Prof Dr Lim Shen-Yang	
3.45pm	Short Break		
4.00pm	Parade of neurological cases – Putting it all together - hands-on session with case discussion	Dr Hiew Fu Liong & Dr Goh Kwang Hwee	
6.00pm	End	Di don Rwang nwee	

*Faculty: Dr Sanihah Abdul Halim (Universiti Sains Malaysia), Prof Dr Lim Kheng Seang (University of Malaya), Dr Shanthi Viswanathan (Hospital Kuala Lumpur), Assoc Prof Dr Tan Ai Huey (University of Malaya), Dr Law Wan Chung (Hospital Kuching), Dr Goh Kwang Hwee (Regency Specialist Hospital), Prof Dato' Dr Raymond Azman Ali (Universiti Kebangsaan Malaysia), Dr Tan Kenny (Hospital Pulau Pinang), Dr Hiew Fu Liong (Hospital Kuala Lumpur), Prof Dr Lim Shen-Yang (University of Malaya)

PRE-CONFERENCE WORKSHOP III (CPD: 6 Points; MMC Event ID: 7653) BASIC NEUROPHYSIOLOGICAL INTRA-OPERATIVE MONITORING (NIOM) WORKSHOP Venue: Grand Riverview Hotel, Kota Bharu, Kelantan

Date	5 July 2019 (Friday)		
Time	Торіс	Speaker	
8.30am	Registration		
9.00am	Introduction	Prof Dr Nortina Shahrizaila & Assoc Prof Dr Rabani Remli	
9.05am	Somatosensory Evoked Potentials	Prof Dr Goh Khean Jin	
9.40am	Motor Evoked Potentials	Prof Dr Aatif Husain	
10.15am	Electromyography Monitoring	Mdm Letchumy Praba Ramanaidu	
10.50am	Tea Break		
11.05am	Brainstem Auditory Evoked Potentials and Cranial Nerve VII monitoring	Prof Dr Aatif Husain	
11.45am	Electroencephalogram monitoring	Prof Dr Aatif Husain	
12.20pm	Anesthetic considerations in NIOM	Dr Jeyaganesh S. Veerakumaran	
12.50pm	Q&A Session		
1.00pm	Lunch & Break		
	Case Discussion	Chairs: Prof Dr Goh Khean Jin & Assoc Prof Dr Rabani Remli	
2.30pm	Case Discussion: Scoliosis Surgery	Prof Dr Aatif Husain	
3.15pm	Case Discussion: CP Angle Surgery	Assoc Prof Dr Vairavan Narayanan	
4.00pm	Tea Break		
4.15pm	Case Discussion: Cervical Spine Surgery	Prof Dr Zamzuri Idris	
5.00pm	Case Discussion: Tethered Cord Surgery	Prof Dr Aatif Husain	
5.45pm	Q&A Session		
6.00pm	End		

*Faculty: Prof Dr Aatif Husain (Duke University School of Medicine, USA), Prof Dr Nortina Shahrizaila (University of Malaya), Assoc Prof Dr Rabani Remli (Universiti Kebangsaan Malaysia), Prof Dr Goh Khean Jin (University of Malaya), Mdm Lectchumy Praba Ramanaidu (University of Malaya), Dr Jeyaganesh S. Veerakumaran (University of Malaya), Assoc Prof Dr Vairavan Narayanan (University of Malaya), Prof Dr Zamzuri Idris (Universiti Sains Malaysia).

PRE-CONFERENCE WORKSHOP IV (CNE/MyCPD Points – Pending) NEUROLOGICAL CARE FOR NURSING & ALLIED HEALTH PROFESSIONALS Venue: Grand Riverview Hotel, Kota Bharu, Kelantan

This workshop, in conjunction with Persatuan Keluarga Neurosains Kelantan (PKNK) aims to highlight various aspects related to specific neurological care for patients in which the roles of nursing and allied health professionals shall be deliberated by highly skilled and experienced professionals in the field. (*Bengkel ini, dengan kerjasama PKNK, bertujuan untuk meningkatkan pengetahuan dan perkongsian oleh kalangan profesional yang mahir dan berpengalaman di dalam penjagaan pesakit saraf untuk aspek-aspek yang berkaitan*).

Date 5 th July 2019 (Friday)		
Time	Торіс	Speaker
8.30am	Welcome speech – Overview of Neuro Care	Pn Afidah Aziz
8.45am	TCD & Basic Nerve Conduction Study	Dr Khairul Azmi Ibrahim
9.30am	Tea Break	
10.00am	BAEP & VEEG	En Nik Azhar Nik Jit
10.30am	Pengurusan Pesakit dengan ICP	Pn Rosni Mane
11.00am	Pengurusan Pesakit dengan Aneurysm	Pn Rubiah Muhammad
11.30am	Pengurusan Pesakit Cerebral Resuscitation	En Mohd Aiman Abdullah
12.15pm	Lunch Symposium & Break	
2.15pm	Rehabilitasi Pesakit Neuro	Dr Muhammad Hafiz Hanafi
2.45pm	Nutrition in Neuro Patient	En Ahmad Karami Ismail
3.15pm	Fisioterapi Pemulihan Pesakit Neuro	En Mat Zin Yusoff
3.45pm	Short Break	
4.00pm	Care of Terminally Ill Patient	Pn Zaidah Babjan
4.45pm	End	

*Faculty: Pn Afidah Aziz (Unit Rawatan Rapi Neuro, Hospital USM), Dr Khairul Azmi Ibrahim (Hospital Sultanah Nur Zahirah, Kuala Terengganu), En Nik Azhar Nik Jit (Jabatan Neurosains, Hospital USM), Pn Rubiah Muhammad (Unit Rawatan Rapi Neuro, Hospital USM), En Mohd Aiman Abdullah (Unit Rawatan Rapi Neuro, Hospital USM), En Ahmad Karami Ismail (Jabatan Dietetik, Hospital USM), Dr Muhammad Hafiz Hanafi (Jabatan Neurosains & Unit Pemulihan, Hospital USM), En Mat Zin Yusoff (Unit Pemulihan, Hospital USM), Pn Zaidah Babjan (Unit Rawatan Rapi Neuro, Hospital USM)

PRE-CONFERENCE WORKSHOP V

CLINICIAN-SCIENTIST NEUROSCIENCE CROSS TALK Venue: Grand Riverview Hotel, Kota Bharu, Kelantan

This clinician-scientist cross talk is a round-table discussion, aiming to enhance networking and collaboration in neuroscience research. Specific fields of promising neuroscience research in the country will be covered. While the participation for this program is by invitation, participants who are interested to be part of this cross-talk can email the Conference Secretariat at <u>msnkb2019@gmail.com</u>.

Time Topic Speaker Chairs and Voderators: Dr Siti Rafidab Yusof (USM) & Dr Tan Kenny (Loh Guan Lye Hospital) 2.45pm Basic neuroscience research environment in Malaysia Assoc Prof Dr Muzaimi Mustapha (USM) 3.00pm Success stories of collaborative projects Prof Dr Wong Kum Thong (UM) Glinician-scientist collaborative projects Clinical Neurology Basic Neuroscience (USM) Krostalk Clinical Neurology Assoc Prof Dr Hoo Fan Kee (UPM) & Dr Yonne Lee (National CRC) Assoc Prof Dr Zurina Hassan (USM) Image: Clinical Neurophysiology (approx) Dr Low Soon Chai (UM) & Dr Hor (USM) Dr Aini Ismafairus Abd Hamid (USM) Parkinson's disease and Novement disorders Assoc Prof Dr Tan Ai Huey (UM) Dr Admaa Annuar & Dr Anwar Norazit (UM) Parkinson's disease and Novement disorders Dr Shanthi Viswanathan (HKL) & Assoc Prof Dr Abdul Aziz (UM) Assoc Prof Dr Abdul Aziz (UM) Child Neurology and Neuroinfection Dr Shanthi Viswanathan (HKL) & Assoc Prof Dr Moraishah Mydin Abdul Aziz (UM) Dr Norashariza Nordin (UPM) & Dr Norshariza Nordin (UPM) & Dr Siti Rafidah Yusof (USM) 5.45pm Role of Vitamin E in neuroject Lisorders (Hovid) Dr. Norshariza Nordin (UPM) & Dr Siti Rafidah Yusof (USM)	Date	5 th July 2019 (Friday)				
2.45pm Basic neuroscience research environment in Malaysia Assoc Prof Dr Muzaimi Mustapha (USM) 3.00pm Success stories of clinician-scientist collaborative projects Prof Dr Wong Kum Thong (UM) Clinician-Scientist Clinical Neurology Basic Neuroscience Stroke Assoc Prof Dr Hoo Fan Kee (UPM) & Dr Yvonne Lee (National CRC) Assoc Prof Dr Zurina Hassan (USM) Clinical Neurophysiology and Neuromuscular Dr Low Soon Chai (UM) & Dr Hor Chee Peng (Hosp Seberang Jaya) Dr Aini Ismafairus Abd Hamid (USM) Fpilepsy Dr Wan Ashraf (UKM) Dr Mohd Farooq Shaikh (Monash University Malaysia) Parkinson's disease and Movement disorders Assoc Prof Dr Tan Ai Huey (UM) & Assoc Prof Dr Adul Aziz (UM) Dr Azlina Ahmad Annuar & Dr Anwar Norazit (UM) Neuroinmunology and Neuroinfection Dr Shanthi Viswanathan (HKL) & Assoc Prof Dr Wan Aliaa (UPM) Assoc Prof Dr Adul Aziz (UM) Child Neurology - Dr Noraishah Mydin Abdul Aziz (UM) 5.45pm Kole of Vitamin E in neurological disorders (Hovid) Dr Norshariza Nordin (UPM) & Dr Siti Rafidah Yusof (USM)	Time	Торіс	Speaker			
2.45pmresearch environment in MalaysiaAssoc Prof Dr Muzaimi Mustapha (USM)3.00pmSuccess stories of clinician-scientist collaborative projectsProf Dr Wong Kum Thong (UM)7Clinician-Scientist CrosstalkClinical NeurologyBasic Neuroscience8Clinical NeurologyAssoc Prof Dr Hoo Fan Kee (UPM) & Dr Yonne Lee (National CRC)Assoc Prof Dr Zurina Hassan (USM)3.20pm (approx)Clinical Neurophysiology and NeuronuscularDr Low Soon Chai (UM) & Dr Hor (Dree Peng (Hosp Seberang Jaya)Dr Alini Ismafairus Abd Hamid (USM)3.20pm (approx)Parkinson's disease and Movement disordersAssoc Prof Dr Tan Ai Huey (UM)Dr Azlina Ahmad Annuar & Dr Anwar Norazit (UM)3.20pm (approx)Parkinson's disease and Movement disordersAssoc Prof Dr Tan Ai Huey (UM)Dr Azlina Ahmad Annuar & Dr Anwar Norazit (UM)3.20pm (approx)Child Neurology and NeuroinfectionDr Shanthi Viswanathan (HKL) & Assoc Prof Dr Wan Aliaa (UPM)Assoc Prof Dr Abdul Aziz (UM)3.20pm (bood-Brain Barrier Functioning	Chairs and	nd Moderators: Dr Siti Rafidah Yusof (USM) & Dr Tan Kenny (Loh Guan Lye Hospital)				
3.00pmClinician-Scientist CrosstalkProf Dr Wong Kum Thong (UM)Clinical NeurologyBasic NeuroscienceCrosstalkClinical NeurologyBasic NeuroscienceStrokeAssoc Prof Dr Hoo Fan Kee (UPM) & Dr Yvonne Lee (National CRC)Assoc Prof Dr Zurina Hassan (USM)3.20pmClinical Neurophysiology and NeuromuscularDr Low Soon Chai (UM) & Dr Hor Chee Peng (Hosp Seberang Jaya)Dr Mohd Farooq Shaikh (Monash University Malaysia)3.20pmParkinson's disease and Movement disordersAssoc Prof Dr Tan Ai Huey (UM)Dr Azlina Ahmad Annuar & Dr Anwar Norazit (UM)Neuroimmunology and NeuroinfectionDr Shanthi Viswanathan (HKL) & Assoc Prof Dr Wan Aliaa (UPM)Assoc Prof Dr Abdul Aziz (UM)5.45pmEnerging Neuroscience Regenerative Medicine/ Blood-Brain Barrier FunctioningClinical isorders (Hovid)Dr Norshariza Nordin (UPM) & Dr Siti Rafidah Yusof (USM)5.45pmRole of Vitamin E in neurolecial disorders (Hovid)Dr Norshariza Nordin (UPM) & Dr Siti Rafidah Yusof (USM)	2.45pm	research environment in	Assoc Prof Dr Muzaimi Mustapha (USM)			
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Emerging Neuroscience (UM) Regenerative Medicine/ Dr Norshariza Nordin (UPM) Blood-Brain Barrier - Functioning - 5.45pm Role of Vitamin E in neurological disorders (Hovid)	speaker)					
Regenerative Medicine/ Blood-Brain Barrier Functioning Dr Norshariza Nordin (UPM) & Dr Siti Rafidah Yusof (USM) 5.45pm Role of Vitamin E in neurological disorders (Hovid)		Child Neurology	-			
		Regenerative Medicine/ Blood-Brain Barrier	-			
6.15pm End	5.45pm	Role of Vitamin E in neurological disorders (Hovid)				
	6.15pm	End				

POST-CONFERENCE WORKSHOP (CPD: 6 points; MMC Event ID: 7655) Advanced Neurophysiological Intra-Operative Monitoring (NIOM) Workshop

Venue: University of Malaya Medical Centre, Kuala Lumpur

This advanced NIOM workshop is for participants who had basic training in NIOM.

Date	8 th July 2019 (Monday)			
Time	Topic	Speaker		
SPINAL SURGERY				
8.30am	Optimizing transcranial MEPs	Prof Dr Aatif Husain		
9.30am	Dorsal column mapping and D wave monitoring	Prof Dr Aatif Husain		
10.30am	Morning Break			
11.00am	Case discussion on spinal cord surgeries	Prof Dr Dharmendra Ganesan		
1.00pm	n Lunch Break			
INTRA-CRANIAL SURGERY				
2.00pm	Language mapping	Prof Dr Aatif Husain		
2.30pm	Motor mapping (phase reversals and motor stimulation)	Prof Dr Aatif Husain		
3.00pm	Direct cortical stimulation and subcortical mapping	Prof Dr Aatif Husain		
3.30pm	Tea Break			
3.45pm	Case discussion on intracranial surgery	Assoc Prof Dr Vairavan Narayanan		
5.30pm	End			

***Faculty:** Prof Dr Aatif Husain (*Duke University School of Medicine, USA*), Prof Dr Dharmendra Ganesan (*University of Malaya*); Assoc Prof Dr VairavanNarayanan(*University of Malaya*)

CANDID MEMORIES

DAY 0 - PRE EVENT (3rd July, 2019)









DAY 1 – CONFERENCE WORKSHOPS (4th July, 2019)









DAY 2 – WORKSHOPS (5th July, 2019)











DAY 3 – MAIN CONFERENCE (6th July, 2019)



































DAY 3 – CLOSING (7th July, 2019)



8th July 2019 – Post Conference Workshop (UMMC) Photo not included