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3 r d A n n o u n c e m e n t

# World Federation of Neurosurgical Societies **WFNS** *Symposia* 2018

**15th - 16th August 2018**  
(Pre-Symposia Workshops)



**17th - 19th August 2018**  
(Symposia)



**Hilton Kuala Lumpur, Malaysia**



**wfns-symposia2018.com**



**secretariat.wfns@medicalconferencepartners.com**



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## Message From The President Of Neurosurgical Association of Malaysia (NAM)



On behalf of the Neurosurgical Association of Malaysia (NAM), I am delighted to welcome one and all to the exquisite melting pot of Kuala Lumpur for the WFNS Symposium 2018. Our efforts have culminated in this singular honour of hosting the Sixth International Symposium.

The Neurosurgical Association of Malaysia (NAM) is the peerless society representing all Neurosurgeons in Malaysia. Shortly after its inception, NAM became affiliated with the World Federation of Neurosurgical Societies (WFNS) on 16th September 2001, coinciding with a very significant date in our Nation's history. Embarking on the tenet - Enhancing the Neurosciences - we have endeavoured to be actively involved in organising various educational and scientific meetings at regional and international platforms.

Malaysia, a developing nation in the geographically viable epicentre of the Asia Pacific region, eminently qualifies to host a symposium of such distinction under the aegis of the World Federation of Neurosurgical Societies. Our society is ardently committed to improving neurosurgical care and training & research to benefit

our patients, all in keeping with the WFNS's objectives to promote the same. We have a close rapport with the regional Neurosurgical Societies fostering camaraderie with fellow neurosurgeons.

I am confident that with the patronage of the Member Societies & Affiliates of the WFNS, the participation in this event in terms of faculty and delegates will exceed expectation. We will reciprocate by ensuring a convivial atmosphere, complete with a commendable scientific programme and a fulfilling social calendar for all.

Fervently, I look forward to the arrival of the fraternity from the world over, to our shores – *"Selamat Datang ke Kuala Lumpur"* – Welcome to Kuala Lumpur.

**Assoc Prof Dato' Dr Hari Chandran**  
President  
Neurosurgical Association of Malaysia (NAM)

## Neurosurgical Association of Malaysia (NAM) Committee Members 2017 / 2018

<b>President</b>	Assoc Prof Dato' Dr Hari Chandran
<b>Vice-President</b>	Dato' Dr Kantha Rasalingam
<b>Honorary Secretary</b>	Dr Liew Boon Seng
<b>Honorary Treasurer</b>	Dr Saiful Azli Mat Nayan
<b>Committee</b>	Prof Dr Zamzuri Idris Dr Sharon Casilda Theophilus Dr Ravi Krishnapillai Datuk Dr Pulivendhan Sellamuthu
<b>Section For Young Neurosurgeons</b>	Dr Mohd Raffiz Mohd Ali

## Message From The WFNS Symposia 2018 Organising Chairman



Dear Friends and Colleagues,

It gives me great pleasure, on behalf of the Neurosurgical Association of Malaysia (NAM) to welcome you to the World Federation of Neurosurgical Societies (WFNS) Symposia 2018, to be held at the Hilton Hotel, in Kuala Lumpur, Malaysia.

It is indeed an honour for us in Malaysia to host such a prestigious event, which to date, will be the biggest event WFNS will host in Malaysia. For this, I would like to thank the President, Prof Dr Franco Servadei and the Administrative Council of the WFNS for placing their trust in NAM and conferring us this task. I would also like to thank our President of NAM, Assoc Prof Dato' Dr Hari Chandran who led the successful bid in procuring this honour.

Being a small nation with a population of about 30 million, and at age 54 though a fledging cohort in the Neurosurgery fraternity, we hope to showcase not only our advances in Neurosurgery, but also the warm hospitality of our fellow Malaysians hailing from various ethnic backgrounds. I urge our delegates to get yourselves and your taste buds ready for some very unique blends of multi-ethnic cuisine in Malaysia and the best food choices from around the world which is unique to the Peninsular.

It is worthwhile to note that the first Neurosurgery unit was set up by Dr Roy Selby, an American housed at Kuala Lumpur General Hospital in 1963. The first Malaysian Neurosurgeon, Dato' Dr Arumugasamy was trained and board certified in the United States. I must say, Neurosurgery in Malaysia has come a long way since. Today we have a total of 96 Neurosurgeons dispersed throughout the nation with more than a third trained in Malaysia.

NAM is committed to the training of Young Neurosurgeons (YNS) and the development of Women in Neurosurgery (WINS). We have marked this with the formation of two subcommittees that will be looking into their welfare and development. The youth are the future, and their progress and development is paramount. To that end, we have allocated 100 seats for YNS in this Symposia where the committee has decided to sponsor their registration and accommodation. We hope through this gesture, we will be assisting the YNS mainly from the Developing Nations.

At the WFNS Symposia 2018, we hope to discuss issues and challenges that are faced by the developing nations in Asia with the aim to contribute towards the improvement and advancement of Neurosurgery in these regions.

The Scientific Committee is planning a comprehensive Scientific Programme that will give delegates the opportunity to update themselves with current and advances in Neurosurgery.

Apart from Plenary and Keynote Lectures, there will also be interactive workshops to teach practical aspects of Neurosurgery and encourage hands-on participation from delegates. We strongly encourage the submission of abstracts for the Free Paper Oral and Poster sessions, to be part of the scientific programme and share your own experiences and research in your institution or country.

I look forward to welcoming you to Kuala Lumpur soon: "Selamat datang ke Malaysia!"

**Dato' Dr Kantha Rasalingam**  
Organising Chairman  
WFNS Symposia 2018

## WFNS Symposia 2018 Organising & Scientific Committee

<b>Advisor</b>	Assoc Prof Dato' Dr Hari Chandran	<b>Nursing and Allied Health</b>	Dr Sharon Casilda Theophilus Yee Yit Cheng Rosanita Zainal Norfarita Mohd Nor
<b>Organising Chairman</b>	Dato' Dr Kantha Rasalingam	<b>Sponsors &amp; Exhibition Committee - Medical Industry</b>	Dato' Dr Jagdeep Nanra Dr Sharon Casilda Theophilus Dr Mohammed Azman Mohammad Raffiq
<b>Secretary</b>	Dr Liew Boon Seng	<b>Sponsors &amp; Exhibition Committee - Non-Medical Industry</b>	Dr Nadiah Ahmad Fuad
<b>Assistant Secretary</b>	Dr Mohd Raffiz Mohd Ali	<b>Social Programme</b>	Datuk Dr Pulivendhan Sellamuthu Dr Ginelle Genista Low Siew Ling Dr Siti Azleen Mohamad Dr Looi Mun Choon
<b>Conference Treasurer</b>	Dr Saiful Azli Mat Nayan	<b>Booklets &amp; Souvenirs</b>	Dr Mah Jon Kooi (Souvenir Programme and Abstract Book) Dr Kelvin Lim Liang Hooi (Posters, E-Posters and E-Poster Platform)
<b>Assistant Treasurer</b>	Dr Ng Wei Ping	<b>Website &amp; Social Media</b>	Dr Kelvin Lim Liang Hooi Dr Nadiah Ahmad Fuad
<b>Scientific Co-Chairs</b>	Prof Dr Zamzuri Idris Assoc Prof Dr Vairavan Narayanan Dr Regunath Kandasamy Assoc Prof Dato' Dr Jegan Thanabalan Dato' Dr Jagdeep Nanra		
<b>Scientific Committee</b>	Dr Mohd Raffiz Mohd Ali Dr Ng Wei Ping		
<b>Women In Neurosurgery</b>	Dr Sharon Casilda Theophilus Dr Cheah Pooi Pooi Dr Kanmani Devi Ganison Dr Siti Azleen Mohamad		
<b>Young Neurosurgeons Committee</b>	Dr Mohd Raffiz Mohd Ali Dr Regunath Kandasamy Dr Adrian Ng Wei Chih		

## WFNS Symposia 2018 Invited Faculty Include

Professor Dr Abdul Hafid Bajamal <i>Indonesia</i>	Professor Dr Haroon Fiaz Choudhri <i>USA</i>	Dr Mubashir Mahmood Qureshi <i>Kenya</i>
Professor Dr Ahmed Ammar <i>Saudi Arabia</i>	Professor Dr Henry W. S. Schroeder <i>Germany</i>	Professor Dr Najia El Abbadi <i>Morocco</i>
Professor Dr Akio Morita <i>Japan</i>	Professor Dr Hiroyuki Kinouchi <i>Japan</i>	Professor Dr Nelson Oyesiku <i>USA</i>
Professor Dr Albert Sufianov <i>Russia</i>	Professor Dr Ioan Stefan Florian <i>Romania</i>	Professor Dr Nobuhiro Mikuni <i>Japan</i>
Professor Dr Aliasgar V. Moiyadi <i>India</i>	Professor Dr Iv Vycheth <i>Cambodia</i>	Professor Dr Naoyuki Nakao <i>Japan</i>
Professor Dr Anil Nanda <i>USA</i>	Professor Dr Iype Cherian <i>Nepal</i>	Professor Dr Ossama Al-Mefty <i>USA</i>
Professor Dr Anthony Graham Fieggen <i>South Africa</i>	Professor Dato' Dr Jafri Malin Abdullah <i>Malaysia</i>	Professor P. R. Rajkumar <i>India</i>
Professor Dr Ari George Chacko <i>India</i>	Dato' Dr Jagdeep Nanra <i>Malaysia</i>	Professor Dr P. S. Ramani <i>India</i>
Professor Emeritus Dr Armando J. Basso <i>Argentina</i>	Professor Dr Jie Tang <i>China</i>	Dr Rully Hanafi Dahlan <i>Indonesia</i>
Dato' Dr Azmin Kass Rosman <i>Malaysia</i>	Datuk Dr Johari Siregar Adnan <i>Malaysia</i>	Professor Dr Shankar Prakash Gopinath <i>USA</i>
Professor Dr Basant K. Misra <i>India</i>	Dr Jong Hee Chang <i>Korea</i>	Professor Dr Shozo Yamada <i>Japan</i>
Professor Dr Christian Raftopoulos <i>Belgium</i>	Professor Dr Junichi Mizuno <i>Japan</i>	Associate Professor Dr Sith Sathornsumetee <i>Thailand</i>
Professor Dr Dharmendra Ganesan <i>Malaysia</i>	Professor Dr Kaoru Kurisu <i>Japan</i>	Dr Suresh Jayabalan <i>India</i>
Professor Dr Dilip Panikar <i>India</i>	Professor Dr Kentaro Mori <i>Japan</i>	Professor Dr Suresh Nair <i>India</i>
Associate Professor Dr Dong Van He <i>Vietnam</i>	Professor Dr Ling Feng <i>China</i>	Professor Dr Syed Ather Enam <i>Pakistan</i>
Associate Professor Dr Duong Dai Ha <i>Vietnam</i>	Professor Dr Lukas Rasulic <i>Serbia</i>	Professor Dr Takaomi Taira <i>Japan</i>
Professor Dr Edgardo Spagnuolo <i>Uruguay</i>	Professor Dr Madjid Samii <i>Germany</i>	Dr Takashi Shuto <i>Japan</i>
Professor Dr Eka Julianta Wahjoepramono <i>Indonesia</i>	Dr Manas Kumar Panigrahi <i>India</i>	Professor Dr Toshiyuki Takahashi <i>Japan</i>
Associate Professor Dr Enrique Osorio Fonseca <i>Colombia</i>	Professor Dr Mehmet Zileli <i>Turkey</i>	Professor Dr Vickneswaran Mathaneswaran <i>Malaysia</i>
Professor Dr Francesco Tomasello <i>Italy</i>	Professor Dr Michihiro Kohno <i>Japan</i>	Dr Yasser Saber Khalaf Znad <i>Iraq</i>
Professor Dr Franco Servadei <i>Italy</i>	Professor Dr Michiyasu Suzuki <i>Japan</i>	Professor Dr Yoko Kato <i>Japan</i>
Dr Gail L. Rosseau <i>USA</i>	Professor Dr Miguel Angel Arraez Sanchez <i>Spain</i>	Professor Dr Yoshitaka Narita <i>Japan</i>
Associate Professor Dr Gelareh Zadeh <i>Canada</i>	Assistant Professor Dr Mikhail F. Chernov <i>Russia</i>	Professor Dr Zamzuri Idris <i>Malaysia</i>
Professor Dr Giovanni Broggi <i>Italy</i>	Professor Dr Miroslav Vukic <i>Croatia</i>	Professor Dr Zhang Hongqi <i>China</i>

*and many more....*

## WNFS 2018 Pre-Symposia Workshops At A Glance

### INTRINSIC BRAIN NEUROANATOMY - 3D LECTURES AND LIVE BRAIN DISSECTION DEMONSTRATION

**Dates** : 15th & 16th Aug 2018 (2 Full Days)  
**Venue** : Hilton Kuala Lumpur  
**Maximum** : 80 Participants

#### Registration Fees

International USD 250	Malaysian (Trainee) RM 500	Malaysian (Non-Trainee) RM 800
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**For Neurosurgeons & Neurosurgical Trainees**

### THE ADVANCES OF INTRAOPERATIVE RADIOTHERAPY (IORT) IN BRAIN CANCER - LIVE SURGERY WORKSHOP

**Date** : 16th Aug 2018 (1 Full Day)  
**Venue** : UMMC CIGNET (Centre for Image Guided and Minimally Invasive Therapy) Lab  
**Maximum** : 40 Participants

#### Registration Fees

International USD 100	Malaysian RM 300
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**For Neurosurgeons & Neurosurgical Trainees**

### BRAINLAB IMAGE GUIDANCE SYSTEM (IGS) & STEREOTAXY HANDS-ON WORKSHOP & CERTIFICATION COURSE

**Date** : 16th Aug 2018 (Half Day)  
**Venue** : Hospital Kuala Lumpur  
**Maximum** : 20 Participants

**For Nurses & Allied Health Professionals**

### MICRONEUROSURGICAL TECHNIQUES & CEREBRAL REVASCULARISATION

**Dates** : 15th & 16th Aug 2018 (2 Full Days)  
**Venue** : ASSC Lab, Hospital Universiti Kebangsaan Malaysia (HUKM)  
**Maximum** : 20 Participants

#### Registration Fees

International USD 500	Malaysian (NAM Member) RM 1,000	Malaysian (Non-NAM Member) RM 2,000
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**For Neurosurgeons & Neurosurgical Trainees**

### NEUROSPINE CERTIFICATION COURSE

**Date** : 16th Aug 2018 (1 Full Day)  
**Venue** : Hospital Kuala Lumpur  
**Maximum** : 20 Participants

#### Registration Fees

International USD 150	Malaysian RM 400
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**For Neurosurgeons & Neurosurgical Trainees**

### CERTIFICATION COURSE ON EXTERNAL VENTRICULAR DRAIN & INTRACEREBRAL PRESSURE MONITORING WORKSHOP

**Date** : 16th Aug 2018 (Half Day)  
**Venue** : Hospital Kuala Lumpur  
**Maximum** : 20 Participants

**For Nurses & Allied Health Professionals**

### MEDTRONIC MIDAS REX HANDS-ON WORKSHOP & CERTIFICATION COURSE FOR STERILE PROCESSING PERSONNEL

**Date** : 16th Aug 2018 (Half Day)  
**Venue** : Hospital Kuala Lumpur  
**Maximum** : 20 Participants

**For Nurses & Allied Health Professionals**



## Workshop

## INTRINSIC BRAIN NEUROANATOMY - 3D LECTURES AND LIVE BRAIN DISSECTION DEMONSTRATION



### Date:

15th to 16th August 2018 (2 Days Workshop)



### Registration Fees:

**International**  
USD 250

**Malaysian (Trainee)**  
RM 500

**Malaysian (Non-Trainee)**  
RM 800



### Maximum Participants:

80 pax (First come, first served)  
For Neurosurgeons & Neurosurgical Trainees



### Venue:

Hilton Kuala Lumpur

The WFNS Symposia 2018 Organising Committee is proud to introduce our pre-symposia workshop on 'Intrinsic Brain Neuro Anatomy'. This workshop will be held on the 15th and 16th of August 2018 in Hilton Hotel as part of the WFNS Symposia 2018 programs.

A thorough knowledge of anatomy is fundamental in neurosurgery as surgical access is limited and the slightest mistake would be catastrophic. We have lined up a comprehensive and in-depth lecture series based on 3D projections of cadaveric dissections and intra-operative anatomy to improve the understanding of the young neurosurgeons at the brink of their careers, as well as refresh the knowledge of the senior neurosurgeons.

We have also included a live demonstration of White Matter and intrinsic brain dissection to be performed live by our faculty on a brain specimen prepared as per the Klinger method. This demonstration is scheduled to be an interactive session with close observation for the participants.

The course faculty includes some very renowned people in the field of neurosurgical neuroanatomy including Dr Pablo Gonzales-Lopez from Alicante, Spain and Mr Ramez W Kirolos from the University of Cambridge, UK

Hurry and book your seats now as places are limited to 80 participants on a first come first served basis!

We look forward to welcoming you in August in Kuala Lumpur!

### Assoc Prof Dr Vairavan Narayanan

Course Director

3D Neuroanatomy and White Matter Dissection Workshop

*\*Workshops Registration Fees are NOT inclusive the main symposia registration fees. It is solely for the workshop only.*

## Workshop

## MICRONEUROSURGICAL TECHNIQUES & CEREBRAL REVASCULARISATION

**Date:**

15th to 16th August 2018 (2 Days Workshop)

**Registration Fees:**

**International**  
USD 500

**Malaysian (NAM Member)**  
RM 1,000

**Malaysian (Non-NAM Member)**  
RM 2,000

**Maximum Participants:**

20 pax (First come, first served)  
For Neurosurgeons & Neurosurgical Trainees

**Venue:**

ASSC Lab, Hospital Universiti Kebangsaan Malaysia (HUKM)

### Tentative Schedule:

#### 15th August 2018

TIME	AGENDA
7.30am - 8.00am	Registration
8.00am - 8.15am	Course Introduction
8.15am - 10.00am	<ul style="list-style-type: none"><li>• Maximising the use of surgical microscope</li><li>• 3D high definition technology in vascular neurosurgery</li><li>• Demonstration of this innovation in aneurysm clipping, AVM surgery, carotid endarterectomy and vascular bypass surgery</li></ul>
10.00am - 10.30am	Coffee break
10.30am - 5.00pm	Introduction to endovascular techniques in neurovascular conditions

#### 16th August 2018

TIME	AGENDA
7.30am - 8.00am	Registration
8.00am - 8.15am	Course Introduction
8.15am - 5.00pm	<ul style="list-style-type: none"><li>• Principles of Microneurosurgery</li><li>• Principles of cerebral revascularisation – Microscopy &amp; Endoscopy</li><li>• Hands-On practice of end-to-end anastomosis in tissue and live animal model</li><li>• Hands-On practice of end-to-side anastomosis in tissue and live animal model</li></ul>

## Workshop

## THE ADVANCES OF INTRAOPERATIVE RADIOTHERAPY (IORT) IN BRAIN CANCER - LIVE SURGERY WORKSHOP

**Date:**

16th August 2018 (1 Day Workshop)

**Registration Fees:**

**International**  
USD 100

**Malaysian**  
RM 300

**Maximum Participants:**

40 pax (First come, first served)  
For Neurosurgeons & Neurosurgical Trainees

**Venue:**

UMMC CIGNET (Centre for Image Guided and  
Minimally Invasive Therapy) Lab

### Description

This Intraoperative Radiation Therapy (IORT) workshop shall give an overview on past, present and future applications of IORT in brain cancer, particularly GBM and brain metastases. A systematic approach from patient selection to detailed clinical workflow with demonstrations of IORT techniques will be presented.



## Workshop

## NEUROSPINE CERTIFICATION COURSE

**Date:**

16th August 2018 (1 Day Workshop)

**Registration Fees:****Maximum Participants:**

20 pax (First come, first served)  
For Neurosurgeons & Neurosurgical Trainees

**International**  
USD 150

**Venue:**

Hospital Kuala Lumpur

**Malaysian**  
RM 400

**Faculty Members:**

- Professor Dr Junichi Mizuno (Japan)
- Dr Wong Chung Chek (Malaysia)
- Dr Rajendra Thiruchelvarayan (Singapore)
- Dr Tjokorda Gde Bagus Mahadewa (Indonesia)

**Tentative Schedule:**

TIME	AGENDA
7.30am – 8.00am	Registration
8.00am – 8.15am	Course Introduction
8.15am – 8.30am	ACDF: How Do I Do It?
8.30am – 8.45am	Various Instrumentation For ACDF And Preferences
8.45am – 9.00am	My Complications In ACDF
9.00am – 10.30am	Real Spine ACDF Hands-On
10.30am – 11.00am	Coffee Break
11.00am – 11.15am	C1-C2 Fixation: When Do I Do It?
11.15am – 11.30am	C1-C2 Fixation: How Do I Do It?
11.30am – 1.00pm	C1-C2 Hands-On
1.00pm – 2.00pm	Lunch Break
2.00pm – 2.15pm	Lateral Mass And Pedicle Screw Fixation In Subaxial Cervical Spine
2.15pm – 2.30pm	Complications And Rescue Screws
2.30pm – 4.00pm	Lateral Mass And Pedicle Screw Hands-On Stations
4.00pm – 4.30pm	Coffee Break
4.30pm – 4.45pm	Posterior Foraminotomy
4.45pm – 6.00pm	Hands-On



## Workshop

### CERTIFICATION COURSE ON EXTERNAL VENTRICULAR DRAIN & INTRACEREBRAL PRESSURE MONITORING WORKSHOP



**Date:**  
16th August 2018 (Half Day Workshop)



**Venue:**  
Hospital Kuala Lumpur



**Maximum Participants:**  
20 pax (First come, first served)  
For Nurses & Allied Health Professionals Only

More information coming soon

## Workshop

### BRAINLAB IMAGE GUIDANCE SYSTEM (IGS) & STEREOTAXY HANDS-ON WORKSHOP & CERTIFICATION COURSE



**Date:**  
16th August 2018 (Half Day Workshop)



**Venue:**  
Hospital Kuala Lumpur



**Maximum Participants:**  
20 pax (First come, first served)  
For Nurses & Allied Health Professionals Only

This is a basic navigation course that covers the following topics:

1. **Introduction to Neuronavigation** – technology, workflow, benefits of navigation, set-up for different surgical procedures
2. **Patient data transfer** – how to correctly select and transfer DICOM data from CT and / or MRI scanners to the navigation system
3. **Patient data manipulation** – how to perform Image Fusion of different patient data sets, and how to perform outlining structures of interest
4. **Patient registration for navigation** – introduction to patient registration techniques for navigation, using instruments like Z-Touch (Laser Registration) or Softouch Registration Pointers.
5. **Navigation software** – how to operate the navigation software and discussion on features within the navigation software
6. **Instruments for navigation** – proper handling of various navigation instruments, including Varioguide

*NOTE: Kick Navigation system will be on-site for hands-on practice.*

## Workshop

## MEDTRONIC MIDAS REX HANDS-ON WORKSHOP & CERTIFICATION COURSE FOR STERILE PROCESSING PERSONNEL



**Date:**  
16th August 2018 (Half Day Workshop)



**Venue:**  
Hospital Kuala Lumpur



**Maximum Participants:**  
20 pax (First come, first served)  
For Nurses & Allied Health Professionals Only

Description: For understanding of the OT personnel on the proper use of Midas Rex™ Drill System, its components and tool characteristics. Fundamentally, participants will be also able to understand the proper technique and hand positioning in use of Midas Rex™ Drill System.

TIME	AGENDA
8.00am - 8:15am	Welcome <ul style="list-style-type: none"> <li>• Course objectives</li> <li>• Customer Goal Survey / Review</li> <li>• Significance of SPD to Midas Rex</li> <li>• Agenda for the day</li> </ul>
8.15am – 9.15am	Major Tool Overview / Drilling Exercise <ul style="list-style-type: none"> <li>• Tool Overview - Match Head, Craniotome, Metal Cutting, Diamond</li> <li>• Brief review of tool performance characteristics</li> <li>• Debris Accumulation - Where to Look Identifying damaged / broken attachments</li> <li>• Maintaining Metal Cutting Attachments</li> </ul>
9.15am – 10.00am	Break
10.00am – 11.00am	Cleaning and Sterilization Overview
11.00am – 11.30am	Special Attachments / Movable Parts <ul style="list-style-type: none"> <li>• Attachments Different Shapes and Sizes Cleaning and Lubricating:               <ul style="list-style-type: none"> <li>» <i>Angled, Variable Exposure, Telescoping, Single vs. Multi Lock and Safety Feature Attachments</i></li> <li>» <i>Stylus / MR7 Touch Motors</i></li> <li>» <i>Significance of Air guns</i></li> </ul> </li> </ul>
11.30am – 12.00pm	An Influential Line of Defense <ul style="list-style-type: none"> <li>• Hands-on Cleaning of Motors and Attachments</li> <li>• Influential Factors: Technique, Cleaning &amp; Drying Times</li> <li>• Outcomes associated with Improper Technique</li> <li>• Importance of Training, Compliance with Standardized Guidelines Communication and Access to Resources</li> </ul>
12.00pm - 12.30pm	Review; Question & Answer; Dismissal
	Course Adjourned

Day 1 - 17 August 2018 (Friday)					
	Lecture Hall A	Lecture Hall B	Lecture Hall C	Lecture Hall D	Lecture Hall E
0700			Registration Counter Opens		
0800			Plenary 1		
0820			Plenary 2		
0840			Plenary 3		
0900			Tea Break & Exhibit Visit		
1015			Official Opening Ceremony & Keynote Lecture		
	<b>Vascular 1</b>	<b>Neuro-Oncology 1</b>	<b>Surgery For Pituitary &amp; Sellar Lesions 1</b>	<b>Advances In Imaging &amp; Technology In Neurosurgery</b>	<b>Nursing Congress – Neurotrauma &amp; Cerebral Vascular (Peri-Operative)</b>
	<ul style="list-style-type: none"> <li>Revascularization Of Cerebral Artery Occlusion, 100 Cases Experience</li> <li>Minimally Invasive Strategies For Cerebral Aneurysm Surgery</li> <li>Aneurysm Surgery Under The Advanced Monitoring</li> <li>Wisdom In Management Of Giant Aneurysm</li> </ul>	<ul style="list-style-type: none"> <li>Evidence-Based Treatment Strategies Of Glioblastoma</li> <li>Multimodal Intraoperative Mapping And Monitoring For Resection Of Tumours Around Motor Eloquent Regions</li> <li>Yellow Fluorescence Y560 Filter Use In Brain Tumour Surgery</li> </ul>	<ul style="list-style-type: none"> <li>Pituitary Surgery, How Do We Get Here?</li> <li>Endoscopic Endonasal Approach For Craniopharyngiomas - Is It Really Better?</li> <li>Endonasal Transphenoidal Approach To Pituitary Adenomas</li> <li>Management Of Residual Growth Hormones Secreting Pituitary Adenomas</li> </ul>	<ul style="list-style-type: none"> <li>Usage Of Ultrasonography In Spinal Surgery</li> <li>Brain Machine Interface</li> <li>Virtual Reality In Neurosurgery</li> </ul>	<ul style="list-style-type: none"> <li>Critical Care Nursing In Traumatic Brain Injury</li> <li>Challenges In Managing Patients With Traumatic Spinal Cord Injury And Spinal Disorders – Nursing Approaches</li> <li>"The Polytraumatized Patient" – Challenges In Nursing Care</li> <li>Approach To A Patient With Altered Sensorium: Nursing Perspective</li> <li>Dealing With An Aggressive, Confused Or Delirious Patient Post Trauma – Neuropsychiatric Nursing Perspective</li> <li>Critical Care Nursing Of Patients With A Ruptured Aneurysm Or AVM: Nursing Monitoring And Precautions</li> <li>The Role Of The OR Nurse In Successful Neurovascular Surgery: Intra-Operative Perspective</li> </ul>
1100					
1300					
1330					
	<b>Vascular 2</b>	<b>Neuro-Oncology 2</b>	<b>Surgery For Pituitary &amp; Sellar Lesions 2</b>	<b>Global Neurosurgery</b>	<b>Nursing Congress – Paediatric Neurosurgery, Neurosurgical OR &amp; Nursing Innovation</b>
	<ul style="list-style-type: none"> <li>Surgical Management Of AVM, The Only Curative Treatment</li> <li>Surgical Management Of AVMs</li> <li>Cavernoma Surgery</li> <li>Natural History And Surgical Management Of Brain Stem Cavernous Malformations</li> <li>Surgery For The Dural AVF At The Cranio-Cervical Junction</li> </ul>	<ul style="list-style-type: none"> <li>Evolution Of Intraoperative Ultrasound In Neuro-Oncology</li> <li>Adjuvant Therapy For Glioblastoma, Lower-Grade Gliomas Or Supportive Treatment For Brain Tumour Patients</li> <li>Microsurgery For Third Ventricle Tumours</li> </ul>	<ul style="list-style-type: none"> <li>Endoscopic Endonasal Approach For Chordomas - Video Session</li> <li>Rathke's Cleft Cyst - Surgical Management</li> <li>Tips And Tricks Of Surgery For Pituitary And Parasellar Tumours</li> </ul>	<ul style="list-style-type: none"> <li>Global Neurosurgery: Enlightenment, Esperanto And Humanism</li> <li>Global Neurosurgery: Accelerating Progress Through Simulation And International Partnerships</li> <li>Values-Based Medicine - Ethical Issues In Daily Neurosurgical Practice</li> <li>Global Neurosurgery In A War-Torn Region</li> </ul>	<ul style="list-style-type: none"> <li>A Guide To Common Cranial Operative Procedures – Burrhole, VP Shunt, Craniotomy, Decompression</li> <li>Craniectomy - Indications, Positioning, Draping, Basic Steps, Equipment</li> <li>Neurosurgical Instrument: Ergonomics And Care</li> <li>A Guide To Common Spinal Operative Procedures – ACDF, Laminectomy, Instrumentation - Indications, Positioning, Draping, Basic Steps, Equipment</li> <li>Nursing Innovation In Neuroscience - What's Out There Open To Submitters</li> <li>Free Paper Oral Presentations</li> </ul>
1430					
1630					
1900 Onwards					

## Programme Overview

Day 2 - 18 August 2018 (Saturday)						
	Lecture Hall A	Lecture Hall B	Lecture Hall C	Lecture Hall D	Lecture Hall E	
					Lecture Hall F & G	
0700	1700		Registration Counter Opens			
0800	0830		Breakfast Symposium 1			
0830	0850		Plenary 4			
0850	0910		Plenary 5			
0910	0930		Plenary 6			
0930	0950		Plenary 7			
0950	1035		Tea Break & Exhibit Visit			
1035	1235	<b>Spine &amp; Peripheral Nerve 1</b> <ul style="list-style-type: none"><li>Cervical Sagittal Malalignment And The Risk Of Increase Neck Disability In Cervical Spondylotic Myelopathy</li><li>Surgical Management Of Osteoporotic Spine And Related Disorders</li><li>Surgical Management Of Complex Mass Lesions At The Craniocervical Junction</li><li>Management Of Extreme Cervical Deformity?</li></ul>	<b>Skull Base Surgery 1</b> <ul style="list-style-type: none"><li>Frontal Skull Base Meningiomas - Endonasal Or Transcranial? Round Table Controversy Discussion</li><li>How To Select An Appropriate Approach In Surgery For Cerebellopontine Angle Tumours?</li><li>Endoscope - Assisted Microsurgery For Epidermoids</li><li>Extradural Temporopolar Approach To Treat Internal Carotid Artery Paraclinoid Aneurysms And Basilar Artery Distal Aneurysms</li></ul>	<b>Trauma &amp; Craniofacial Reconstruction</b> <ul style="list-style-type: none"><li>Overview Of Traumatic Brain Injury Management</li><li>Techniques Of Craniofacial Reconstruction</li><li>Multimodality Monitoring &amp; Cooling Therapy In Traumatic Brain Injury</li><li>First Aid, Transportation And Management Of Traumatic Cervical Spine Injury In Vietnam</li><li>Coagulation And Fibrinolysis In Neurotrauma</li></ul>	<b>Nursing Congress - Neurospine &amp; Nursing Innovation</b> <ul style="list-style-type: none"><li>Free Paper Oral Presentations</li><li>Post-Op Spine Complications: Challenges And Opportunities</li><li>Integrative Medicine's Role In Pain Management For The Post-Op Spine Population</li><li>Nursing Innovation In Neuroscience - What's Out There</li><li>Innovation In Nursing Practices</li></ul>	<b>Free Paper Oral Presentations</b>
1235	1305	Lunch Symposium 4	Lunch Symposium 5	Lunch Symposium 6		
1305	1400		Lunch & Exhibit Visit			
1400	1600	<b>Spine &amp; Peripheral Nerve 2</b> <ul style="list-style-type: none"><li>Craniovertebral Junction Surgery</li><li>Management Of Spinal Tuberculosis</li><li>Problems Of Geriatric Spine Surgery</li><li>Fusion Or Mobility Preservation. Which One To Choose?</li><li>Should We Abandon Complete Exploration Of The Brachial Plexus And Usage Of Proximal Viable Nerve Stumps For Grafting As The Primary Treatment Modality In Traction Injuries?</li></ul>	<b>Skull Base Surgery 2</b> <ul style="list-style-type: none"><li>Skull Base Meningiomas: Nostos Versus Kleos</li><li>Decision Making In Skull Base Surgery</li><li>Microsurgery For Third Ventricle Tumours</li></ul>	<b>Free Paper Oral Presentations</b>	<b>Nursing Congress - Neurorehabilitation</b> <ul style="list-style-type: none"><li>The Role Of Nutrition And Dietary Supplementation In Effective Neurological Recovery And Rehabilitation</li><li>Rehabilitation In Traumatic Brain Injury</li><li>Rehabilitation In Spinal Cord Injury</li><li>Psychological Consideration In The Assessment And Treatment Of Pain In Neurorehabilitation</li><li>The Role Of The Occupational Therapist In Neurorehabilitation</li><li>Patient And Care-Giver Education For Better Stroke Rehabilitation</li><li>The Role Of Nursing In Supporting Neurorehabilitation</li></ul>	<b>Free Paper Oral Presentations</b>
1600	1630		Tea Break & Exhibit Visit			
1900 Onwards			END OF DAY 2 Conference Dinner			

\*The programme is subject to changes



## Programme Overview

Day 3 - 19 August 2018 (Sunday)						
	Lecture Hall A	Lecture Hall B	Lecture Hall C	Lecture Hall D	Lecture Hall E	
0700			Registration Counter Opens			
0800			Breakfast Symposium 2			
0830			Plenary 8			
0850			Plenary 9			
0910			Plenary 10			
0930			Plenary 11			
0950			Tea Break & Exhibit Visit			
1035	<b>Stereotactic &amp; Intraoperative Radiation Therapy</b> <ul style="list-style-type: none"><li>Stereotactic Radiotherapy For Metastatic Brain Tumours - SRS Or SRT?</li><li>Radiosurgery Of Cavernous Sinus Tumours</li><li>Everything You Always Wanted To Know About Radiosurgery Of AVM (But Were Afraid To Ask)</li></ul>	<b>Functional &amp; Neuromodulation</b> <ul style="list-style-type: none"><li>Progress And Foremost Aspects In Functional Neurosurgery</li><li>Asleep Deep Brain Stimulation For Abnormal Movements: Procedure And Results</li><li>Endoscope-Assisted Microvascular Decompression In Hemifacial Spasm</li></ul>	<b>Epilepsy</b> <ul style="list-style-type: none"><li>Epilepsy Surgery</li><li>Lesion Negative Epilepsy</li><li>Intractable Epilepsy Management</li></ul>	<b>Young Neurosurgeon Session 1A</b> Vascular	<b>Young Neurosurgeon Session 1B</b> Pituitary & Skull Base Surgery	<b>Young Neurosurgeon Session 1C</b> Neuro - Oncology
1235	Lunch Symposium 7	Lunch Symposium 8	Lunch Symposium 9			
1305	Lunch & Exhibit Visit					
1400	<b>Controversies In Neurosurgery</b> <ul style="list-style-type: none"><li>Should Neurosurgeons Perform Scoliosis Surgery?</li><li>Controversies In Skull Base Surgery</li><li>Controversies In Radiosurgery</li></ul>	<b>Neurosurgical Management Of Pain</b> <ul style="list-style-type: none"><li>Microvascular Decompression Of V Nerve For Trigeminal Neuralgia Using Endoscope</li><li>Microsurgical Treatment Of Facial Pain Syndrome</li></ul>	<b>Women In Neurosurgery</b>	<b>Young Neurosurgeons Session 2</b> <ul style="list-style-type: none"><li>The Great Neurosurgical Debate</li><li>Dialogue: Young Neurosurgeon Experience And Opportunities</li><li>Asian / South East Asian Young Neurosurgeon Association</li></ul>	<b>Free Paper Oral Presentations</b>	
1600	Awards Presentation					
1630	Closing Ceremony					
	END OF DAY 3					

\*The programme is subject to changes

	Early Bird (Ends on 15th June 2018)	Advance (16th June to 31st July 2018)	Onsite (1st Aug 2018 to Onsite)
<b>MALAYSIAN</b>			
Surgeons NAM Member	MYR 1200	MYR 1300	MYR 1500
Surgeons Non-NAM Member, Specialists	MYR 1400	MYR 1500	MYR 1700
Residents, Trainees, Medical Officers	MYR 950	MYR 1050	MYR 1200
Nurses and Allied Health Professionals*	MYR 500	MYR 550	MYR 600
Conference Dinner (Optional)		MYR 250	

*\*Malaysian Nurses and Allied Health Professionals special rate covers access for any TWO (2) days of scientific programme. (It does not include Conference Dinner Ticket. Conference Dinner Ticket may be purchased as an add-on).*

	Early Bird (Ends on 15th June 2018)	Advance (16th June to 31st July 2018)	Onsite (1st Aug 2018 to Onsite)
<b>INTERNATIONAL</b>			
Surgeons from Developing Countries (refer to list qualified by World Bank List of Economic 2017)	USD 450	USD 500	USD 550
Surgeons, Specialists	USD 550	USD 600	USD 650
Residents, Trainees, Medical Officers	USD 350	USD 400	USD 450
Nurses and Allied Health Professionals	USD 150	USD 180	USD 210
Conference Dinner (Optional)		USD 80	
Surgeons and Trainees from Low Income Countries (Refer to List qualified by World Bank List of Economies 2017) kindly communicate with the secretariat for enquires on registration fees and concessions.			

*Registration rate covers full access to all scientific programme for all three (3) days of conference. It does not include Conference Dinner ticket. Conference Dinner ticket may be purchased as an add-on.*

*Discount is available for group registration of more than 20 pax. For more information and enquiries on concessions, contact secretariat at [secretariat.wfns@medicalconferencepartners.com](mailto:secretariat.wfns@medicalconferencepartners.com). Online Registration commencing soon at [www.wfns-symposia2018.com](http://www.wfns-symposia2018.com).*

**ENJOY EARLY BIRD REGISTRATIONS TODAY!**





Experience

# KUALA LUMPUR

Kuala Lumpur fondly known as KL, is a modern and bustling city and is one of the region's most prosperous capitals. KL consists of a melting pot of cultures infused together and boasts a variety of attractions such as interesting heritage sites, shopping, entertainment, nature and adventure.

**Here are some attractions you would not want to miss while you are here in Kuala Lumpur.**

## Petronas Twin Towers

The 452 metres tall **Petronas Twin Towers** is the tallest building in Malaysia, and was once the tallest building in the world.

At the base of the Petronas Twin Towers is Suria KLCC, which is a shopping mall that is very popular among tourists. Tourists can also take a stroll along the beautiful landscaped KLCC Park, which is located at the side of the twin towers, where it features a jogging track, walking paths, water fountain and a wading pool for children.

Besides the mall and the park, there are also other attractions such as the Aquaria KLCC, Petronas Art Gallery and Petrosains Science Center inside the Petronas Twin Towers.

## Batu Caves

**Batu Caves** is an iconic and most frequented tourist attraction in Kuala Lumpur.

It is a limestone hill comprising 3 major caves featuring temples and Hindu shrines. Outside Batu Caves stands the world's tallest golden statue of Lord Murugan, a Hindu Deity, at 42.7 metres tall.

The attraction of Batu Caves includes the steep 272 steps climb up to finally view the stunning skyline of the city centre. Along your way up, you will see lots of monkeys frolic around the caves.

## Malaysian Food

Food can be considered as the national obsession. It is not uncommon to be greeted by the phrase "*Sudah makan?*" which means "Have you eaten?". Malaysian food is heavily influenced by Thai, Chinese, Indonesian and Indian cuisine. As elsewhere in Asia, rice is an essential staple. Some of the popular Malaysian food are *Nasi Lemak*, *Char Kuey Teow*, *Roti Canai* and Curry laksa. Our local delicacies will definitely tantalise your tastebuds.

## National Museum

**The National Museum of Malaysia** is a beautiful building characterized by traditional Malay Minangkabau-style architecture which stands in the heart of the city of Kuala Lumpur. It displays an excellent introduction to Malaysia's history, economy, geography, arts, crafts and culture.



# World Federation of Neurosurgical Societies **WFNS** *Symposia* **2018**



**16th August 2018**  
(Nurses Pre-Symposia Workshops)



**17th - 18th August 2018**  
(Nurses Symposia)



**Hilton Kuala Lumpur, Malaysia**



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## NEUROSURGICAL NURSING CONGRESS HIGHLIGHTS

- Acute Care Nursing Perspective
- Nursing Practices In The Operating Room
- Neuro Rehabilitation Practices
- Stroke Care
- Hands-On Workshop On Trauma And Spinal Care- EVD, IGS And High Speed Drill for Nurses
- Free Paper Oral Presentation Session Specially for Nurses With A Theme  
**"Nursing Practice Innovation And Experience Sharing"**

## CALL FOR ABSTRACTS FOR NURSES



**Deadline  
31st May  
2018**

### ABSTRACT GUIDELINES:

- Please email [abstract.wfns@medicalconferencepartners.com](mailto:abstract.wfns@medicalconferencepartners.com) to get the Abstract Template.
- The abstract should consists of :-
  - Title
  - Main Author Name
  - Main Author Institution
  - Co-Author(s) Name & Institution (if any)
  - Content
  - Conclusion
- The abstract body is limited to a maximum of 250 words.
- Ensure that all changes, corrections and proof reading have been carried out before submission.
- All final abstracts are to be emailed to [abstract.wfns@medicalconferencepartners.com](mailto:abstract.wfns@medicalconferencepartners.com) by 31st May 2018.

**FREE REGISTRATION TO BE GIVEN  
FOR TOP ABSTRACTS!**

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# *Young Neurosurgeon Education*

## Programme Highlights

1. **Complication Avoidance Forum** - A platform for Young Neurosurgeons to share their surgical experience with expert panel input.
2. **The Great Neurosurgical Debate.**
3. **Young Neurosurgeon Night** - An opportunity for young neurosurgeons to mingle and exchange contacts for possible fellowship or exchange programme.
4. **Rooftop Cocktails & KL City Night Tour** specially for young neurosurgeons.
5. **100 Young Neurosurgeon Grant** will be awarded.



# *Women In Neurosurgery*

## Programme Highlights

1. **Theme: Uniting & Empowering Women For The Future Of Neurosurgery.**
2. **Sharing experience & perspective by eminent women in neurosurgery from all over the globe.**
3. **Fostering friendship and paving the way for future collaboration.**

**WFNS Symposia 2018 Secretariat  
c/o Medical Conference Partners**

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**Tel :** +603 2276 0555 | **Email :** [secretariat.wfns@medicalconferencepartners.com](mailto:secretariat.wfns@medicalconferencepartners.com)

This announcement has been prepared in good faith.  
The organisers reserve the right to make changes if needed at their discretion.