

ISMINS EDUCATIONAL MEETING & 15TH NAM ANNUAL SCIENTIFIC MEETING/ ANNUAL GENERAL MEETING

THE ROYALE CHULAN HOTEL
KUALA LUMPUR, MALAYSIA
OCT. 1-5, 2015



“Effective Innovation in Minimally Invasive Neurosurgery”

<http://www.nam.org.my>
isminsnam2015@gmail.com

REPORT

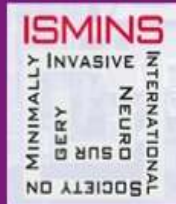
Prepared by : Dr. Azmi Alias



Co-organised by :



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ISMINS Educational Meeting
15th NAM Annual Scientific Meeting & AGM
 1- 5 October 2015, Kuala Lumpur, Malaysia
 Theme : *Effective Innovation in Minimally Invasive Neurosurgery*



Co-Organizer : Department of Neurosurgery, Tunku Abdul Rahman Neuroscience Institute, Hospital Kuala Lumpur

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 ANNUAL SCIENTIFIC
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**KUALA LUMPUR
 OCT. 1-5, 2015**



**“Effective Innovation in
 Minimally Invasive Neurosurgery”**

<http://www.nam.org.my>
isminsnam2015@gmail.com

**Oct 1 Hospital Kuala Lumpur
 Universiti Kebangsaan Malaysia**
Oct 2-4 The Royale Chulan Hotel
Oct 5 Universiti Putra Malaysia

Co-organised by



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INTRODUCTION

The Joint ISMINS Educational Meeting and 15th NAM Annual Scientific Meeting 2015 was successful co-organised by the Department of Neurosurgery, Tunku Abdul Rahman Neuroscience Institute (IKTAR), Hospital Kuala Lumpur, Neurosurgical Association of Malaysia (NAM) and International Society on Minimally Invasive Technique in Neurosurgery (ISMINS) from 01 October to 05 October 2015 in Kuala Lumpur, Malaysia.

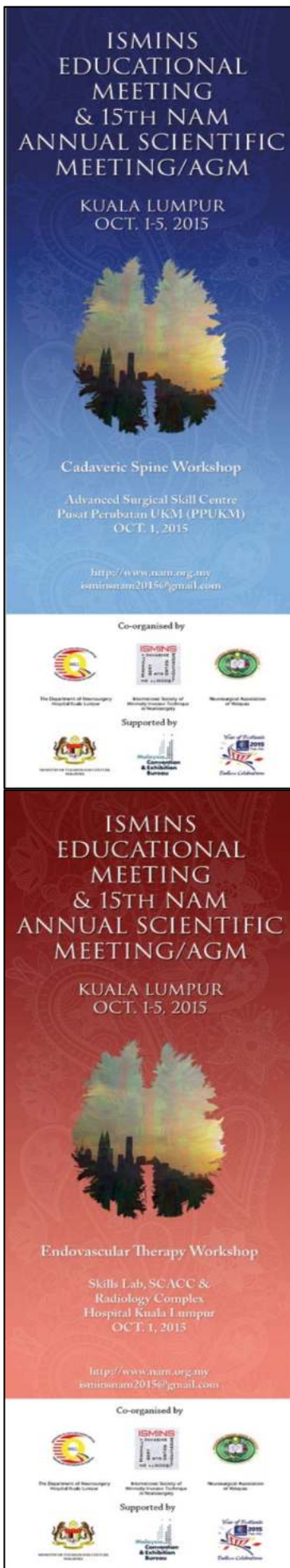
Historically, this event marked the 2nd International Educational Meeting organized by ISMINS following the 1st educational course which was successfully organized in Vienna, Austria by Prof. Engelbert Knosp in 2013 and the 1st National Conference for Nurses and Paramedics.

This joint meeting was also supported by the Ministry of Health, Malaysia, Ministry of Tourism and Malaysian Convention and Exhibition Bureau (MyCEB), Department of Radiology, Department of Forensic Hospital Kuala Lumpur, Department of Forensic Hospital Serdang, Veterinary University Hospital UPM, Department of Human Anatomy, University Putra Malaysia (UPM) and Advanced Surgical Skill Centre, Universiti Kebangsaan Malaysia Medical Centre (UKMMC).

The smart partnership between ISMINS International teaching faculties and local expertise paved a new model of advanced and focus Minimally Invasive training course, combining an educational meeting and hands on practical session for both doctors and nurses/paramedics.

It was described as a high standard with excellent organization and eye opening by the international delegates and local participants which attracted the interest of young Neurosurgeons, trainees, Nurses and paramedics.

The meeting theme was “ Effective Innovation in Minimally Invasive Neurosurgery ” aimed to discuss recent development in various diagnostic and therapeutic intervention in Neurosurgery emphasizing on effective approach towards minimal tissue traumatization, preservation of neurological function and improved

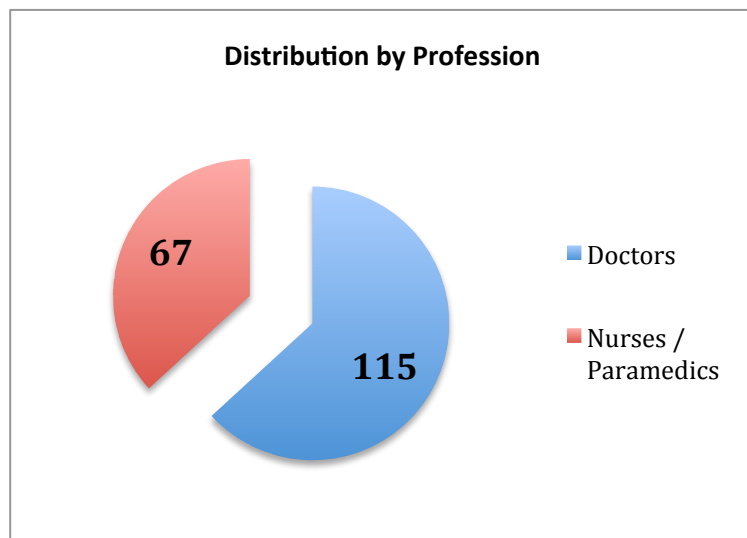


outcomes through series of lectures, scientific presentation, interactive discussion and hands on practical sessions.

The educational meeting was held at the Royale Chulan Hotel, Kuala Lumpur from 02 to 04 October 2015, preceded by 3 concurrent workshops on Percutaneous Endoscopic Cadaveric Spine, Hands on Endovascular with Live Intervention and Practical Session for Nurses and Paramedics followed by Post Congress Workshop on Vascular Anastomosis on 05 October 2015.

ATTENDANCE

We received total of 182 delegates from 14 different countries worldwide including invited speakers. Majority were local Malaysian which contributed 78% (143) of the delegates followed by 22% (39) from abroad. Doctors (Neurosurgeons, Trainees and Medical Officers) contributed 65% (115) followed by Nurses / Paramedics with 37% (67) of the total attendance.



The distributions of attendance by countries in alphabetical orders as follows:

- 1) Australia (1)
- 2) Bangladesh (2)
- 3) Egypt (2)
- 4) Germany (2)
- 5) India (2)
- 6) Indonesia (4)
- 7) Republic of Iraq (2)
- 8) Italy (3)
- 9) Japan (17)
- 10) Malaysia (143)
- 11) The Phillipines (1)
- 12) South Korea (1)
- 13) Taiwan (1)
- 14) United Arab Emirates (1)



ISMINS
EDUCATIONAL
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ANNUAL SCIENTIFIC
MEETING/AGM

KUALA LUMPUR
OCT. 1-5, 2015



Nurses' and Paramedics'
Peri-Operative Workshop

Lvl 1 & 5, SCACC, HKL
OCT. 1, 2015

<http://www.nam.org.my>
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MEETING/AGM

KUALA LUMPUR
OCT. 1-5, 2015



Microvascular Anastomosis
Workshop

Veterinary Hospital &
Human Anatomy Dissection Hall
Universiti Putra Malaysia
OCT. 5, 2015

<http://www.nam.org.my>
isminsnam2015@gmail.com

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JOINT ISMINS EDUCATIONAL MEETING & 15TH NAM ANNUAL SCIENTIFIC MEETING

The course started with welcome message and introduction to the course by the Organizing Chairman, Dr. Azmi Alias followed by Vice President of NAM, Dr. Mohammed Saffari Mohammed Haspani, ISMINS Treasurer, Prof. Giancarlo Guizzardi and Prof. Hirotoishi Sano, on behalf of Prof. Yoko Kato.

Total of 54 speakers took part in the educational meeting held in Royale Chulan Hotel Kuala Lumpur, Malaysia from 2 to 4th October 2015 covering 76 topics with total of continuous 25 academic hours focusing on the recent development in Minimally Invasive Techniques in Neurosurgery and parallel development for the Nurses and Paramedics.

Each speaker was given 20 minutes to discuss about their topics of interest followed by interactive questions and answers at the end of each session. Both Doctors and Nurses / Paramedics attended the Joint Session on 2nd and 4th October 2015 but split on the second day (03rd October) for the 1st National Conference for Nurses and Paramedics. The following 54 speakers took part in the Joint Meeting (in an Alphabetical order) :

- | | |
|--|--|
| 1) Abdul Hafid Bajamal (Indonesia) | 22) Katsumi Takizawa (Japan) |
| 2) Albert Wong Hii Seng (Malaysia) | 23) Lucia Benvenuti (Italy) |
| 3) Ahmad Rithaudeen Mohammed (Malaysia) | 24) Masaaki Taniguchi (Japan) |
| 4) Azmi Alias (Malaysia) | 25) Niklas Thon (Germany) |
| 5) Ahmed Zubaidi Abdul Latiff (Malaysia) | 26) Mohammed Saffari Mohammed Haspani (Malaysia) |
| 6) Azmin Kass Rossman (Malaysia) | 27) Patra Charalampaki (Germany) |
| 7) Ahmed Zohdi (Egypt) | 28) Naoya Kuwayama (Japan) |
| 8) Benedict Selladurai (Malaysia) | 29) Pullivendhan Sellamuthu (Malaysia) |
| 9) Chee Chee Pin (Malaysia) | 30) Naoki Otani (Japan) |
| 10) Daisuke Suyama (Japan) | 31) Satischandra Gore (India) |
| 11) Fuminari Komatsu (Japan) | 32) Sharon Casilda Theophilus (Malaysia) |
| 12) Dharmendra Ganesan (Malaysia) | 33) Vickneswaran Matheneswaran (Malaysia) |
| 13) Harsan Harsan (Indonesia) | 34) Takashi Inuoe (Japan) |
| 14) Giancarlo Guizzardi (Italy) | 35) Yashusi Shin (Japan) |
| 15) Hideaki Imai (Japan) | 36) Tan Chor Ngee (Malaysia) |
| 16) Hirotohsi Sano (Japan) | 37) Yoko Kato (Japan) |
| 17) Kentaro Mori (Japan) | 38) Toh Charng Jeng (Malaysia) |
| 18) Hyeun Sung Kim (Korea) | 39) Zamzuri Idris (Malaysia) |
| 19) Kensuke Kawai (Japan) | |
| 20) Jafri Malin Abdullah (Malaysia) | |
| 21) Lau Jia Him (Malaysia) | |





The followings 15 speakers took part in the 1st National Conference for Nurses and Paramedics:

- 1) Aya Takeuchi (Japan)
- 2) Tatsuto Miki (Japan)
- 3) Kiriko Furuta (Japan)
- 4) Natsuki Sugawara (Japan)
- 5) Aivedina Appollonius Sideh (Malaysia)
- 6) Salbiah Amiruddin
- 7) Aishah Ayub
- 8) Nasura Md Yunus
- 9) Yee Yit Cheng
- 10) Suzita Abdul Rahman
- 11) Hanim Kechik
- 12) Norhaidah Harun
- 13) Khatijah Beevi
- 14) Rozleen Radzi
- 15) Mohammed Hafizi Che Yahya

This Joint Meeting was preceded by 3 concurrent workshops on 1 October 2015 followed by 1 post congress workshop on 5 Oct. 2015. The summary of Hands on Workshops as follows:

1) MIN Percutaneous & Endoscopic Hands on Cadaveric Spine Workshop 1

Faculties: Prof. Giancarlo Guizzardi,
Dr. Satischanrda Gore, Dr. Hyeun Sung Kim
Date : 1 Oct. 2015 , Venue : Advanced Surgical Skill Centre, UKMMC - 14 hands on participants

2) Endovascular with Live Intervention Workshop 2

Faculties : Prof. Naoya Kuawayam, Dr. Lau Jia Him,
Dr. Harsan Harsan
Date : 1 Oct. 2015, Venue : Department of Radilogy and Skill Laboratory, SCACC Hospital Kuala Lumpur - 14 hands on participants

3) Hands On Practical Session for Nurses & Paramedics Workshop 3

Faculties : Department of Neurosurgery, Hospital Kuala Lumpur
Date : 1 Oct. 2015 , Venue : Hospital Kuala Lumpur - 50 hands on participants

4) Exo Vascular Anastomosis Workshop 4

Faculties : Prof. Kentaro Mori, Prof. A.Prof. Naoki Otani, Dr. Yashusi Shin.
Date : 5 Oct. 2015 , Venue : Veterinary Hospital (UVH) & Human Anatomy Department, Univ. Putra Malaysia - 20 Hands on participants







AWARDS

The Young Trainee Awards session was conducted in conjunction with the 15th NAM Annual Scientific Meeting. This competition was opened to all Malaysian trainees and medical officers who are also the Associate Members of NAM. Prof. Yoko Kato was kindly donated her textbook on Neurosurgery while Neurosurgical Association of Malaysia provided the financial rewards.

We received total of 29 abstracts, 6 were selected for 10 minutes oral presentation and 23 for poster presentation. The oral presentation was conducted on 3rd October 2015 from 1600 to 1730 hours.

The final result as follows;

Best Young Trainee Awards (Oral presentation)

1) Arumugasamy Awards :

Dr. Vigneswaran Veeramuthu (UMMC)
“Role of Brain Derived Neurotrophic Factor (BDNF) Polymorphism in Affecting Neurocognitive Performance in Patients with Mild Traumatic Brain Injury “

2) Dr. Low Yong Lee (Hosp. Umum Sarawak)
“Outcome of Minimally Invasive Surgery (MIS) Compared to Open Posterior Lumbar Instrumentation and Fusion”

3) Dr. Khoo HC (UKMMC)
“Pioneer Malaysian Neurosurgical Centre Providing Interventional Pain Service: a Clinical Review”

Best Poster Presentation:

1) Dr You Xin Li (Hospital Sg .Buloh)
“Short-Term Clinical Outcomes of Open Repair of Myelomeningocele from 2011-2015: Hospital Sungai Buloh ”

2) Dr. Mohd HakimZenian (Hosp. Queen Elizabeth)
“Local Experience and Outcome of Facial-to - Hypoglossal Neuroorrhaphy in Queen Elizabeth Hospital, Sabah “

3)Dr. Teo Eu Gene (Hosp. Umum Sarawak)
“External Ventricular Drains in Sarawak General Hospital, 2014 “

Best Nursing Presentation;

Khatijah Beevy (Hospital Kuala Lumpur)
“Challenges in Nursing the Polytrauma Patient in the Neurosurgical Unit”



1st National Conference for Nurses & Paramedics 2015



**REPORT ON THE 1st NATIONAL NURSES AND PARAMEDIC CONFERENCE
1 – 5 OCTOBER 2015 AT THE ROYALE CHULAN HOTEL, KUALA LUMPUR, MALAYSIA**

Prepared by Yee Yit Cheng, Organizing Chairman, Nurse & Paramedic Conference

This was a joint ISMINS Education Meeting and 15th NAM Annual Scientific Meeting. This is another success story and history repeats itself for every nursing conference. This conference was a great success in meeting its objectives for the participants.

With the theme “EFFECTIVE INNOVATION IN MINIMALLY INVASIVE NEUROSURGERY”. It was timely that the Pre-Congress Workshop : NURSES’ AND PARAMEDICS’ PERI-OPERATIVE WORKSHOP was held on the 1st October 2015 at the SCACC, Kuala Lumpur Hospital and The 1st NATIONAL NURSE/PARAMEDIC CONFERENCE on the 3 October 2015 at the Royale Chulan Hotel Kuala Lumpur, MALAYSIA. It was concluded as great success.

A welcome message was delivered by Ms. Yee Yit Cheng, as the Organizing Chairman of the 1st NATIONAL NURSES AND PARAMEDIC CONFERENCE and officiated by Datuk Dr. Mohammed Saffari Mohammed Haspani, Advisor for the conference. The Pre-congress workshop was held with 50 participants – nurses and educators both from the public and private hospitals. It provided for the health personnel to learn, to exchange ideas, collaborate and upgrade of skills and knowledge amongst health personnel.

With a good faculty of speakers from Japan and local disciplines, the conference were attended by 74 nurses and paramedics, we were able to share, discuss and critique and in turn increase our knowledge, queries and learn from our counterparts. There were many take home to improve the quality of nursing care in our own areas and countries.

Various aspects of neurosurgical nursing were discussed. Extensive topics on trauma, vascular, critical care, education, soft skills, pediatric, rehabilitation, neurosurgical emergencies, neurosurgical procedures, innovation in neurosurgical nursing etc. were some of the highlights of the workshop and congress. Another segment of the pre-congress workshop was the workshop which was a great success with theory and practical sessions.

Some of the workshops lend a great insight and a turnover of their own practices with what is right and standard practice to what was improvised to suite the organization. It was a great eye opener and a learning session for many participants. Workshops were conducted on Glasgow coma scale, EVD drainage, application of cervical collar & log turning, preparation before transportation, tracheostomy care, Neurosurgery Bone Bank, Safe surgery saves lives, care & maintenance of high speed drill, microscope, IGS & Endoscope and DVT prophylaxis.

Some of the views of the participants were:

“the nursing presentation is precise and systematic that is suitable for nurses to tackle the daily work after attending the conference”

‘most of the sessions were easy to understand”

‘need more sessions e.g. trauma, neurovascular”

‘the strengths of the presentations were the topics and speakers, good organising”

The weakness of the nursing conference was:

‘time constraints” , “most of the presentation full of knowledge but short”

We have journeyed a long way to 1ST NATIONAL NURSE/PARAMEDIC CONFERENCE & THE PRE-CONGRESS NURSES’ PARAMEDIC’PERI-OPERATIVE WORKSHOP as an international conference and has reached its mark and achieved a great success. This congress also gave an opportunity to foster closer ties with our neighbours and assist each other to forge ahead in the field of neurosurgery nursing.



PRECONGRESS WORKSHOP 1 (Cadaveric Endoscopic & Percutaneous Spine)

The Minimally Invasive Endoscopic and Percutaneous Interlaminar Device Spine Cadaveric workshop was successfully organized at the Advanced Surgical Skill Centre, Universiti Kebangsaan Medical Centre on Thursday , 01 October 2015 from 8:30am to 5:00pm.

It was attended by 14 participants with hands on practical session. There was 5 workstations equipped with Endoscopic Spine GORE system from Karl Storz , fresh human Cadaver and equipment for Interlaminar device from Cousin. as well as 2 unit of portable image intensifier unit

The session started with series of lectures presented by Prof. Giancarlo Guizzardi, Dr. Satischandra Gore and Dr. Hyeun Sung Kim followed by demonstration of Endoscopic Lateral Transforaminal Approach (S. Gore), Dorsal Interlaminar Approach (HS Kim) and Posterior Interlaminar device (G.Guizzardi).

It was concluded with faculty Dinner at Songket, Restaurant, Kuala Lumpur.





PRECONGRESS WORKSHOP 2 (Endovascular and Live Intervention)

The Neurosurgery Endovascular with Live Intervention was successfully organized at the Surgical Skill Laboratory, Specialist Clinic and Ambulatory Day Care Surgery and Department of Radiology, Hospital Kuala Lumpur on 01 October 2015 from 8:30am to 5:00pm.

Participants were given the opportunity to learn the basic technique of cannulation, catheterization, coiling and clot extraction on acrylic board.

It was followed by simulation of cases and Live Endovascular coiling for a case of ruptured Anterior Communicating Artery Aneurysms performed by Professor Naoya Kuwayama. The other invited faculty members were Prof. Naoki Akioka (Japan), Dr. Lau Jia Him (Malaysia) and Dr. Harsan Harsan (Indonesia).

A total of 20 participants attended the workshop, consisting of trainees and residents from Malaysia. The workshop was supported by Covidien, Stryker, Medtronic and Mentic. Overall the workshop was a success, with good reviews and feedback received from both participants and instructors.







PRECONGRESS WORKSHOP 3 (NURSES AND PARAMEDICS)

The Pre Congress workshop for Nurses and Paramedics was successfully organized at the Skills Laboratory, Specialist Clinic and Ambulatory Care Complex (SCACC), Hospital Kuala Lumpur on 1 October 2015. It was attended by 50 delegates and divided into 2 parts including Theory (0800- 1300 hours) and Practical session (1430 – 1700 hours).

The facilitators and speakers consists of senior and experience Nurses and Paramedics selected from several hospitals in Malaysia. The following topics were covered in the Theory session:

- 1) Glasgow Coma Scale (by Farida Abdullah)
- 2) CSF Pathway and External Ventricular Drainage (by Rofida Abdullah Hashim)
- 3) Save Surgery Safe Life Check List (by RizalNiyana Abd Razak)
- 4) Neurosurgical Bone Banking (by Noorliana Noordin)
- 5) Transportation of Severe Brain Injury Patient (by Yee Yit Cheng)
- 6) Tracheostomy Care (by Yee Yit Cheng)
- 7) Care of Spine Injury Patient (by Kathijah Beevi)





PRECONGRESS WORKSHOP 3 (NURSES AND PARAMEDICS)

The Practical Session was conducted in 2 separate room with total of 9 workstations covering the following topics:

- 1) **Neurosurgical Bone Banking**
 - participants was exposed to the standard international and local policy of bone banking and given the opportunity to prepare the Autologous Primary Operative bone flap including handling, cleaning, packaging and steps in storage.

- 2) **Save Surgery Safe Life Check list**
 - application of check list as recommended by WHO and simulation with quiz.

- 3) **Neurosurgical Equipment**
 - Utilization and handling of common Neurosurgical equipment including Imaged Guided System and High Speed drills

- 4) **Deep Vein Thrombosis (DVT)**
 - handling of mechanical prophylactic device against DVT in unconscious and immobilized patients including DVT pump and stocking.

- 5) **Preparation before transportation**
 - Preparation, check list and standard of practice in transporting unconscious and ventilated patients

- 6) **Glasgow Coma Scale for Adults and Paediatric**
 - simulation and documentation in GCS for both adults and paediatric patients

- 7) **External Ventricular Drainage (EVD)**
 - handling, measurement, method of CSF sampling for analysis and maintenance of EVD

- 8) **Application of Cervical Collar**
 - application and maintenance of Cervical Collar in head and spine injury including ventilated patients and those with tracheostomy

- 9) **Tracheostomy Care**
 - handling, collection of specimen for Culture and Sensitivity and maintenance of Tracheostomy in Neurosurgical patients.



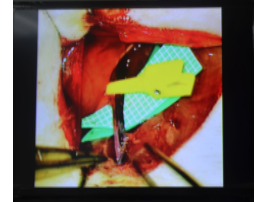


POST CONGRESS WORKSHOP 4

The Exo Vascular Neurosurgery Anastomosis Workshop was successfully held on Monday, 5th October 2015 at University Putra Malaysia (UPM), Serdang from 8:30am to 5:00 pm and was attended by 20 Hands on participants.

Invited faculty members:

- 1) Prof. Kentaro Mori
- 2) A.Prof. Naoki Otani
- 3) Prof. Katsumi Takizawa
- 4) Dr. Yasushi Shin



It was divided into 2 parts:

- 1) Live Animal Vascular Anastomosis– at Veterinary Hospital, UPM lead by Prof. Kentaro Mori and Naoki Otani.
- 2) Cadaveric Demonstration on Radial Artery High Flow ECA –MCA bypass at the Dissection Hall, Department of Human Anatomy, UPM by Prof. Katsumi Takizawa.



Vascular Anastomosis at Skill Laboratory, Veterinary University Hospital, UPM

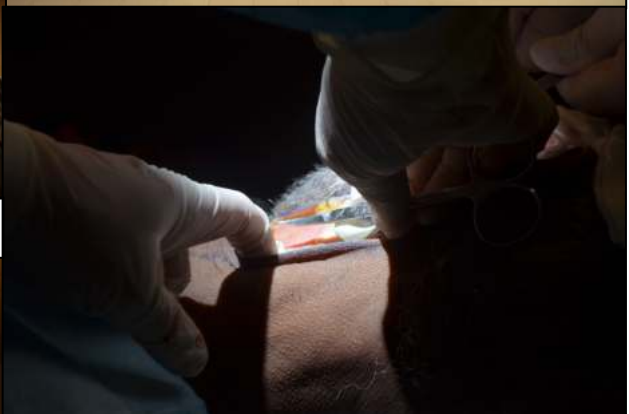




Cadaveric Demonstration on ECA MCA High Flow Bypass at Human Anatomy Department, UPM



Demonstration of High Flow By pass

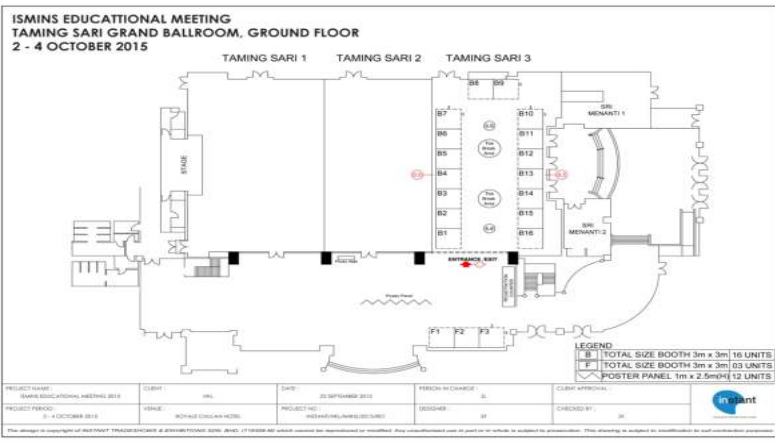




Trade Exhibition 2015

The following companies took part in the trade exhibition and sponsorship during the Joint ISMINS _NAM Educational Meeting

- 1) Covidien Sdn. Bhd.
- 2) Empayar Gading Sdn. Bhd.
- 3) Metronic International Ltd.
- 4) Socius (M) Sdn. Bhd.
- 5) Vigilenz Medical Supplies Sdn. Bhd.
- 6) Abex Medical System Sdn. Bhd.
- 7) Avro Medical Sdn. Bhd. /Brainlab
- 8) B. Braun Medical Supplies Sdn. Bhd.
- 9) Baxter Healthcare (M) Sdn. Bhd.
- 10) Carl Zeiss Sdn. Bhd.
- 11) Danmedik Sdn. Bhd. & Tenaga Modulasi Insan Sdn.Bhd.
- 12) Hospimetrix Sdn. Bhd. / Stryker
- 13) Humedical (M) Sdn. Bhd.
- 14) Integra Neurosciences Ltd.
- 15) Johnson & Johnson Sdn. Bhd.
- 16) Malaysian Healthcare Sdn. Bhd. (Maycare)
- 17) Osteopore International PTE
- 18) Primamedik Sdn. Bhd.
- 19) Schmidt Biomedtech Sdn. Bhd.
- 20) Siemens Healthcare Sdn. Bhd.
- 21) SIRIM Berhad
- 22) SPR Surgicare Products Sdn. Bhd. (Surgiwear)
- 23) Synergic Evolution Sdn. Bhd.
- 24) Ummi Surgical Sdn.Bhd / Medi-Life (M) Sdn. Bhd.





Committee Meetings and preparation of the course







CONCLUSION

In summary, this joint educational meeting was concluded as a great success. On behalf of the local organizing committee, I would like to take this opportunity to thank the Neurosurgical Association of Malaysia (NAM), International Society on Minimally Invasive Techniques in Neurosurgery (ISMINS), Neurosurgical Association of Malaysia, Universiti Kebangsaan Malaysia (UKM), Universiti Putra Malaysia (UPM), Hospital Kuala Lumpur (HKL), medical industries and sponsors for the support and most importantly the local organizing committee members from Department of Neurosurgery, Hospital Kuala Lumpur who has been working very hard throughout the event.

Prepared by,

Dr. Azmi Alias
Organizing Chairman,
Joint ISMINS-15th NAM
Educational Meeting,
Kuala Lumpur, Malaysia.
1-5 October 2015



