

NNI International Symposium of Neurosurgery



4 - 8 October 2010
TTSH Theatrette, Singapore

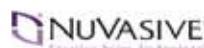
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The NNI International Symposium of Neurosurgery will be held from 4th – 8th October 2010. In conjunction with the National Neuroscience Institute's (NNI) 10th Anniversary, we have organised a 5-day scientific forum on developments in neurosurgery.

This symposium also commemorates the establishment of neurosurgery in NNI. The Department of Neurosurgery of NNI was first established in 1973 as a department in Tan Tock Seng Hospital (TTSH). Often referred to as the "mother of neurosurgery" for having trained many of the practising neurosurgeons in Singapore, the department has developed subspecialty services to improve our clinical delivery to the public. The co-ordinated subspecialties have matured over the years and now include trauma, oncology and skull base, neurovascular, functional, paediatric and spine neurosurgery programmes that are comparable to the top neurosurgical centres around the world.

We have arranged a comprehensive scientific meeting which will explore current directions in neurovascular, spine, tumour, oncology, functional and paediatric surgery. It will also include workshops in vascular and spine. We have specially invited a renowned panel of faculty from both overseas and local who will share their expertise and insights on developments in their respective fields.

This meeting will provide an opportunity for participants to learn about the latest techniques and perspectives, listen to renowned speakers, and to be exposed to the most up-to-date information in the field of neurosurgery.

In conjunction with this symposium, the Committee will also be organising a pre-symposium seminar for Nurses. The 2nd Spine Nursing Seminar will be held on 2 October 2010. Watch for more details coming soon.

We welcome colleagues and other healthcare professionals from Singapore, Asia and around the world to join this meeting. Looking forward to meeting you at the Symposium.

Associate Professor Ivan NG
Chairman, Organising Committee

FACULTY

Peter BLACK

Brigham and Women's Hospital
Boston, USA

Kevin FOLEY

University of Tennessee Health Science Center
Memphis, Tennessee, USA

HEE-WON Jung

Seoul National University College of Medicine, Seoul, Korea

Phudhiphorn THIENPRASIT

Bangkok General Hospital, Thailand

TU Yong-Kwang

National Taiwan University Hospital, Taiwan

Chairman

A/Prof Ivan NG, National Neuroscience Institute

Course Directors

Dr NG Wai Hoe, National Neuroscience Institute

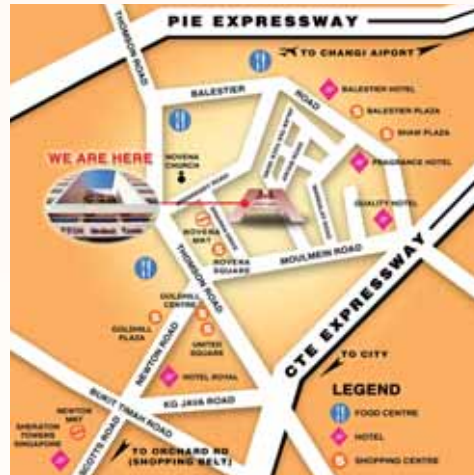
Dr Ernest WANG, National Neuroscience Institute

SYMPOSIUM VENUE

Theatrette, Level 1

Tan Tock Seng Hospital (TTSH)

11 Jalan Tan Tock Seng, Singapore 308433



REGISTRATION AND ENQUIRY

NNI International Symposium of Neurosurgery
c/o National Neuroscience Institute
11 Jalan Tan Tock Seng, Singapore 308433

Tel : (65) 6357 7152 / 6357 7163 **Fax :** (65) 6256 4755

Email : nni_secretariat@nni.com.sg

Website : www.nni.com.sg

OTHER SPEAKERS

ANG Beng Ti, Christopher, National Neuroscience Institute

Krishan KUMAR, National Neuroscience Institute

LEE Cheng Kiang, National Neuroscience Institute

LEE Haw Chou, Changi General Hospital

Danny LOUANGE, Tan Tock Seng Hospital

Ivan NG, National Neuroscience Institute

NG Wai Hoe, National Neuroscience Institute

SEOW Wan Tew, National Neuroscience Institute

Gamaliel TAN, Jurong General Hospital

TAN Seang Beng, Singapore General Hospital

TAN Kheng Kooi, National Neuroscience Institute

Paul THNG, Changi General Hospital

John THOMAS, National Neuroscience Institute

Rajendra TIRUCHELVARAYAN, National Neuroscience Institute

Ernest WANG, National Neuroscience Institute

YU Chun Sing, Tan Tock Seng Hospital

PROGRAMME – Day 1, 4 October, Monday

Time	Topic	Speakers
0700 – 0800	Registration	
0800 – 0805	Welcome and Opening Ceremony	
Neuro-oncology		
Plenary Session 1 : TTSH Theatre		
0805 – 0830	Glioma stem cells – Bench to bedside	Ang Beng Ti, Christopher
0830 – 0900	Natural History of Intracranial Meningioma - Analysis of 265 cases	Hee-Won Jung
0900 – 0930	Neuro-mapping and awake craniotomy for brain tumours	Ng Wai Hoe
0930 – 1000	Posterior fossa tumours	Peter Black
1000 - 1030	Tea Break	
Plenary Session 2 : TTSH Theatre		
1030 – 1100	The reality of intra-operative MRI	Ivan Ng
1100 – 1130	Radiosurgery in neuro-oncology	John Thomas
1130 – 1200	Pituitary surgery in the intra-operative MRI	Ang Beng Ti, Christopher
1200 – 1230	Central Neurocytoma - Contemporary treatment and outcome	Hee-Won Jung
1230 - 1400	Lunch	
Neurosurgical Techniques		
Plenary Session 3: TTSH Theatre		
1400 – 1430	Approaches to the third ventricle	Peter Black
1430 – 1500	Approaches to the sellar region and endoscopy for the anterior skull base	Ang Beng Ti, Christopher
1500 – 1530	Approaches to the pineal region	Peter Black
1530 - 1600	Tea Break	
1600 – 1630	Skull base repairs	Ivan Ng
1630 – 1700	Modern neuromonitoring	Ng Wai Hoe
1700 – 1730	Endoscopic intraventricular anatomy	Rajendra Tiruchelvarayan
End of Day 1		
1900- 2100 Faculty and Alumni Dinner		

PROGRAMME – Day 2, 5 October, Tuesday

Time	Topic	Speakers
0700 – 0800	Registration	
Neurovascular		
Plenary Session 4 : TTSH Theatre		
0800 – 0830	Aneurysm surgery in today's climate	Ernest Wang
0830 – 0900	Surgery for paraclinoidal aneurysm	Tu Yong Kwang
0900 – 0930	Surgical strategies in aneurysm surgery	Ivan Ng
0930 - 1000	Tea Break	
Plenary Session 5 : TTSH Theatre		
1000 – 1030	Surgical strategy for intracranial AVMs	Tu Yong Kwang
1030 – 1100	Virtual reality planning in vascular surgery	Ivan Ng
1100 – 1130	New imaging techniques in vascular surgery	Ivan Ng
1130 – 1200	Role of revascularization in treating ischemia and complex aneurysm	Tu Yong Kwang
1200 - 1400	Lunch	
Intra-operative Imaging		
Plenary Session 6 : TTSH Theatre		
1400 – 1430	Introduction to Intra-operative imaging	Ivan Ng
1430 – 1500	iMRI Experience	Ivan Ng
1500 – 1530	iCT Experience	Shree Kumar Dinesh
1530 – 1600	'O' Arm	Ernest Wang
End of Day 2		

PROGRAMME

PROGRAMME – DAY 3, 6 October, Wednesday

Time	Topic	Speakers
0700 – 0800	Registration	
Neurosurgical Techniques		
Plenary Session 7 : TTSH Theatre		
0800 – 0830	Cervical spine fracture classification	Lee Haw Chou
0830 – 0900	Thoracolumbar spine fracture classification	Gamaliel Tan
0900 – 0930	Techniques of cervical spine instrumentation	Tan Kheng Kooi
0930 – 1000	Principles of thoracolumbar fixation	Paul Tng
1000 – 1030	Tea Break	
Plenary Session 8 : TTSH Theatre		
1030 – 1100	Anterior thoracolumbar corpectomy and stabilisation	Tan Seang Beng
1100 – 1130	Lumbar interbody fusion – Techniques and approaches	Yu Chun Sing
1130 – 1200	Minimally invasive spine surgery	Kevin Foley
1200 – 1230	Percutaneous transpedicular screw fixation – Indications and techniques	Kevin Foley
1230 – 1400	Lunch	
End of Day 3		
1400 – 1700 Social Afternoon		
EC/IC Workshop : Ren Ci Hospital Lecture Room 402		
1400 – 1700	Introduction and approaches for EC/IC	Ivan Ng

PROGRAMME – DAY 4, 7 October, Thursday

Time	Topic	Speakers
0700 – 0800	Registration	
Neurosurgical Techniques		
Plenary Session 9 : TTSH Theatre		
0800 – 0830	Principles of spinal navigation spine	Ernest Wang
0830 – 0900	Disc nucleoplasty, vertebroplasty and kyphoplasty – The evidence	Danny Louange
0900 – 0930	Surgery for spinal tumours	Rajendra Tiruchelvarayan
0930 – 1000	Tea Break	
1000 – 1300	Concurrent workshops Workshop 1 - Cervical Spine Workshop 3 - MIS	Workshop 2 - Thoracolumbar Workshop 4 - Navigation Ernest Wang
1300 – 1400	Lunch	
1400 – 1530	Concurrent workshops Workshop 1 - Cervical Spine Workshop 3 - MIS	Workshop 2 - Thoracolumbar Workshop 4 - Navigation Ernest Wang
1530 – 1600	Tea Break	
1600 – 1730	Concurrent workshops Workshop 1 - Cervical Spine Workshop 3 - MIS	Workshop 2 - Thoracolumbar Workshop 4 - Navigation Ernest Wang
End of Day 4		
1930 – 2100 Symposium Dinner		

PROGRAMME – DAY 5, 8 October, Friday

Time	Topic	Speakers
0700 – 0800	Registration	
Pediatric and Functional		
Plenary Session 10 : TTSH Theatre		
0800 – 0830	DBS surgery in Movement disorders and pain	John Thomas
0830 – 0900	Radiosurgery in functional disorders	John Thomas
0900 – 0930	Psychosurgery – Bane or boon	Ng Wai Hoe
0930 – 1000	Epilepsy surgery in the pediatric population	Derrick Chan
1000 - 1030	Tea Break	
Plenary Session 11 : TTSH Theatre		
1030 – 1100	Treatment of spasticity	Seow Wan Tew
1100 – 1130	Occult Spinal Dysraphism	Seow Wan Tew
1130 – 1200	Germ cell and Pineal tumours in children	Ng Wai Hoe
1200 – 1230	Pediatric craniocervical junction abnormalities	Rajendra Tiruchelvarayan
1230 – 1400	Lunch	
1400 – 1700	Concurrent workshops Workshop 5 - Neurotrauma Workshop 6 - NPH	Ernest Wang
End of Symposium		

* Programme subject to change.

REGISTRATION FEES AND INFORMATION

END OF EARLY REGISTRATION: **31st August 2010**

END OF NORMAL REGISTRATION: **17th September 2010**

REGISTRATION CLOSES ON 17th September 2010.

All registrations and payment received after this date will be considered as On-site Registration and processed on-site.



Registration Category	Early Registration (Registration AND Payment must be made by 31st August.)	Normal Registration (Registration AND Payment must be made by 17th September.)	On-site Registration (All registrations received after 17th September will be considered as On-site Registration.)
Delegate	S\$600.00	S\$800.00	S\$900.00
Trainee	S\$400.00	S\$500.00	S\$600.00

Spine Sessions Only (For Orthopaedic surgeons - limited spaces)	S\$250.00
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All prices quoted are in Singapore Dollars (SGD) and are inclusive of prevailing taxes.

Trainee/Student Registration Fee

Trainee/Student identification or proof of qualifying trainee/student status MUST accompany the registration form to qualify for Trainee/Students fees. A letter from the head of department confirming the applicant's trainee status must accompany the "Trainee" registration form. Proof of status is also required when registering on-site.

Confirmation of Registration

You will be issued a Letter of Confirmation by the Secretariat upon the receipt of your completed registration form, relevant supporting document(s) where applicable and full payment. The registration process may take 4-5 weeks. Please bring the Letter of Confirmation to the Registration Desk as proof of your registration and payment.

Refund and Cancellation Policy

Notification of cancellation and request for refunds must be sent in writing to the Secretariat. All refunds will be processed after the Event. The following cancellation and refund policy will apply.

- Before 17 September: 50% of registration fee less an administrative charge of S\$30.00.
- After 17 September: No refund or cancellations of any type, including no-shows.

Substitution Policy

Registered delegates who are unable to attend may send an alternate i.e. one-for-one substitution only. Substitution requests must be submitted in writing to the Secretariat before 17 September 2010. Substitution requests received thereafter will be subjected to an administrative charge (substitution processing fee) of S\$20.00.

Liability and Disclaimer

The registered delegate acknowledges that he/she has no rights to lodge any claims against the Organiser should the Symposium be hindered or prevented to occur by any unexpected political, economic or pandemic events, or generally by force majeure, or by the non-appearance of scheduled speakers or other reasons that necessitate programme changes. With registration, the delegate accepts this provision.

Every attempt will be made to present the programme as printed. However, the Organiser reserves the right to modify, or cancel, without prior notice, any of the arrangements, programmes or other items relating directly or indirectly to the Symposium, for any cause beyond its reasonable control.

The Organiser is not liable for any loss or inconvenience caused as a result of such alteration. In the event of cancellation of the Symposium, all pre-paid fees will be refunded in full. However, the Organiser is not liable for any loss or inconvenience caused as a result of such cancellation.

The registered delegate is advised to engage his/her own travel insurance and to extend the policy to cover personal possessions as the Organiser does not cover individuals against cancellation of bookings or theft or damages to the personal belongings.

Letter of Invitation

Applicants requiring an official letter of invitation for the purpose of obtaining a visa or permission to attend the Symposium may submit the request to the Secretariat. The letter of invitation is not a commitment from the Organiser to provide any kind of financial support, hosting arrangement, nor does it guarantee an entry visa will be issued. The letter will be issued to the requesting delegate only after the registration fee has been paid in full. Expenses incurred are the sole responsibility of the applicant. The Secretariat may require 2 - 3 weeks to process the request. We recommend that you apply at least 3 months in advance.

Entry Visa Application and Validity of Passport

The registered delegate should have a valid passport, onward/return tickets, onward facilities (e.g. visas, entry permits, etc.) to their next destination and sufficient funds for stay in Singapore. National passport holders of most countries are permitted to stay in Singapore for up to 14 days without visas. However, visas may be required for visitors from some other countries and participants are requested to clarify these before travelling to Singapore. We recommend applying at least 3 months in advance. Please visit the Singapore Immigration & Checkpoints Authority website for more information on entry visas: <http://www.ica.gov.sg>

