



3rd ISPN Education Course Kuala Lumpur 2023



speaker
PROF. NELCI ZANON
Federal University of São Paulo



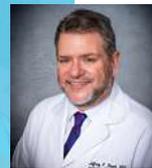
speaker
PROF. SHLOMI CONSTANTINI
Dana Children's Hospital



speaker
PROF. SEOW WAN TEW
National Neuroscience Institute



speaker
**PROF. SANDIP
CHATTERJEE**
Vivekananda Institute of Medical
Sciences



speaker
PROF. JEFFREY BLOUNT
University of Alabama



speaker, Course & Workshop
**PROF. SUCHANDA
BHATTACHARJEE**
Nizam's Institute of Medical Sciences



speaker, Course & Workshop
DR. TATIANA VILASBOAS
São Camilo Hospital



speaker, Workshop
**PROF. ALIASGAR
MOIYADI**
Tata Memorial Centre



speaker, Workshop
PROF. CLEMENT HAMANI
University of Toronto

THEME

**RESTORING HOPE:
REIMAGINING PEDIATRIC
NEUROSURGERY IN A
POST-PANDEMIC WORLD**

 **THU 20TH - SAT 22ND JULY 2023**

 **8.00AM - 6.00PM**

 **HOSPITAL TUNKU AZIZAH
KUALA LUMPUR, MALAYSIA**

200 SEATS

Education course @ Dewan Perdana
Hospital Tunku Azizah

30 SLOTS

pre-Symposium Cranial Ultrasound Workshop @ Seminar Rooms
Hospital Tunku Azizah

co-organised by



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Event Introduction

The International Society for Pediatric Neurosurgery (ISPN) has a global mission to advance the treatment of children with illnesses of the nervous system by encouraging the ethical transmission and exchange of neuroscientific information and techniques. Hospital Kuala Lumpur, the birthplace of Malaysian neurosurgical services, has its own grand mission of being a center for training, research and development focused on the neurosurgical field. With that in mind, HKL has hosted the venerated and much anticipated ISPN educational courses twice, in 2013 and 2017 as part of our continual effort to train our local and regional neurosurgical service providers in the delicate art of treating and managing pediatric neurosurgical patients.

The entire world was brought to a standstill when the Covid-19 hit in 2020. However, while movements between nations were halted, efforts to exchange and disseminate knowledge were not easily deterred. Online sessions became the norm. Still, humans are social creatures. The physical meeting of like-minded souls is still valued. Now that we have settled down with a new norm, HKL is proud to host the third ISPN Educational Course in July 2023.



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Faculty Members



speaker
Prof. Nelci Zanon
Federal University of São Paolo



speaker
AP. Azizi Abu Bakar
Universiti Kebangsaan Malaysia



speaker
Prof. Shlomi Constantini
Dana Children's Hospital



speaker
Prof. Dharmendra Ganesan
Universiti Malaya



speaker
Prof. Suchanda Bhattacharjee
Nizam's Institute of Medical Sciences



speaker
Prof. Zamzuri Idris
Universiti Sains Malaysia



speaker
Prof. Sandip Chatterjee
Vivekananda Institute of Medical Sciences



speaker for the Ultrasound Workshop
Prof. Aliasgar Moiyadi
Tata Memorial Centre



speaker
Prof. Jeffrey Blount
University of Alabama



speaker for the Ultrasound Workshop
Prof. Clement Hamani
University of Toronto



speaker
Prof. Seow Wan Tew
National Neuroscience Institute



speaker for the Ultrasound Workshop
Dr. Nor Adibah Razali
Hospital Tunku Azizah



speaker
Dr. Tatiana Vilasboas
São Camilo Hospital



speaker
Dr. Azmi Alias
Hospital Kuala Lumpur



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Event Team

ISPN PRESIDENT

Professor Seow Wan Tew (Singapore)

COURSE DIRECTOR

Dr Azmi Alias (Malaysia)

EDUCATION COMMITTEE CHAIR

Professor Nelci Zanon (Brazil)

EDUCATION COMMITTEE CO-CHAIR

Professor Jeffrey Blount (USA)

ULTRASOUND WORKSHOP

Professor Suchanda Bhattacharjee (India)
AP Kemel A Ghotme (Colombia)

COURSE COORDINATOR

Dr Fadzlishah Johanabas

SCIENTIFIC PROGRAM

Dr Ng Wei Ping
Dr Lim Mei Sin
Dr Kanmani Devi Ganeson

LOGISTICS

Dr Arulkanesh Devatathatan
Dr Razmeender Singh Kelly
Dr Razlinda Zainal Hasnan
Matron Rofidah Abdullah Hashim
Sr Rizalniyana Abd Razak
SN Rozleen Radzi
PA Norhafizzah Abd Ghaffar

in collaboration with

1. THE ISPN EDUCATION COMMITTEE
2. HOSPITAL KUALA LUMPUR
3. HOSPITAL TUNKU AZIZAH
4. PERSATUAN PASCA SISWAZAH HKL



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Tentative Program Overview

In the interest of getting up to date with the latest treatment protocols and techniques for pediatric neurosurgical patients, we propose these FOUR main topics, spread over two days of the educational course:

PRE-SYMPOSIUM ULTRASOUND WORKSHOP: JULY 20, 2023 (THURSDAY)

- AM: TECHNIQUES AND EXPERIENCE SHARING BY INTERNATIONAL AND LOCAL FACULTY
- PM: HANDS-ON DEMONSTRATION AND PRACTICE

DAY 1: JULY 21, 2023 (FRIDAY)

- AM: CONGENITAL MALFORMATIONS OF THE BRAIN AND SPINAL CORD
- PM: HYDROCEPHALUS

DAY 2: JULY 22, 2023 (SATURDAY)

- AM: PEDIATRIC ONCOLOGY
- PM: EPILEPSY SURGERY & OTHERS



Ultrasound Workshop (Thursday, 20.07.2023)

Aims and learning outcomes:

1. Basic physics of ultrasound
2. Use of ultrasound machines
3. Orientation of neuronavigated ultrasound
4. The ultrasound scanner: planes and transducer position
5. Normal cerebral and spinal anatomy
6. Role of ultrasound in pre-, intra- and post-operative neurosurgery

Time	Topic	Presenter
07:30	Registration	
08:00	Welcome address	Azmi
08:10	Technical nuances of intraoperative ultrasound	Suchanda
08:30	Indications for intraoperative ultrasound	Suchanda
08:50	Q&A session	mod: Nadiah
09:00	Ultrasound brain: techniques and anatomy	Adibah
09:20	Ultrasound spine: techniques and anatomy	Adibah
09:40	Focused ultrasound	Hamani
10:00	Ultrasound in awake craniotomy	Vilasboas
10:20	Are there any contraindications to IOUS?	Vilasboas
10:40	The efficacy of IOUS in tumor resection compared to post-operative brain MRI	Kanmani
11:00	Comparison of IOUS and post-operative MRI in pediatric intra-axial tumors	Nadiah
11:20	Q&A session	mod: Mas
11:30	Physics of ultrasound	Aliasgar
11:50	Mastering IOUS skills	Aliasgar
12:10	Rationale and benefits of IOUS in oncology	Aliasgar
12:20	Practical tips and overcoming challenges	Aliasgar
12:40	Q&A session	mod: Nadiah
12:50	Lunch	



Time	Topic	Presenter
14:00	Hands-on session	
	Station 1: setup of ultrasound machine (+model)	BK Ally & Team mod: Looi
	Station 2: fundamentals of ultrasound (applied) physics and instrumentation	Suchanda mod: Mas
	Station 3: Role of ultrasound assessment in an infant's head (hydrocephalus) -- live patient demonstration	Nur Farrah mod: Nadiah
	Station 4: Role of ultrasound assessment in an infant's spine (lipomyelomeningocele) -- live patient demonstration	Wong mod: Kanmani
	Station 5: Guided puncture with neuronavigated ultrasound (biopsies/ventricular puncture) & neuronavigated ultrasound in neuro-oncology	Vilaboas IGS Brain Lab mod: Arulkanesh
17:00	Q&A and closing remarks	



Symposium Day 1 (Friday, 21.07.2023)

Time	Topic	Presenter
07:30	Registration	
08:00	Opening Ceremony	
08:10	Introduction to the course and ISPN	Zanon
SESSION 1: CONGENITAL MALFORMATION OF THE SPINE Moderators: Prof. Nelci Zanon, Dr. Azmi Alias		
08:20	Overview of spine malformation	Constantini
08:35	Spina bifida prevention	Blount
08:50	Secondary neurulation disorders	Sandip
09:05	Management of spinal myelomeningocele	Dharmendra
09:20	Current management of spinal lipomas	Seow
09:35	Dermoid sinus, cysts and limited dorsal myeloschisis	Seow
09:50	Chiari I malformation, symptomatic & asymptomatic approaches	Zanon
10:05	Q&A session	
10:20	Coffee break	
SESSION 2: CONGENITAL MALFORMATION OF THE BRAIN AND SPINAL CORD Moderator: Prof. Jeffery Blount, Prof. Dharmendra Ganesan		
10:35	Overview of brain malformations	Suchanda
10:50	Pathophysiology of CSF pathways: relevance to surgical decisions	Constantini
11:05	Radiological features: prenatal and post-natal	Seow
11:20	Spinal deformity with tethered cord	Sandip
11:35	Q&A session	



Time	Topic	Presenter
SESSION 3: HYDROCEPHALUS - MANAGEMENT		
Moderators: Prof. Seow Wan Tew, Prof. Dharmendra Ganesan		
11:50	How do the shunts work?	Sandip
12:05	Which shunts, when to use them, and when to ETV?	Seow
12:20	Endoscopy vs shunts in neonates	Constantini
12:35	Does ETV without CPP have a role?	Blount
12:50	Shunt complications and how to avoid them - round table on shunts: a mini symposium on infections, mechanical issues, slit ventricles and isolated fourth ventricle	Constantini & faculty members
13:10	Lunch break (Friday prayers)	
SESSION 4: HOW I DO IT		
Moderator: Prof. Shlomi Constantini, AP Azizi Abu Bakar		
14:30	How I do it: VP shunt	Constantini
14:45	How I do it: VSGS	Sandip
15:00	How I do it: ETV with rigid endoscope	Seow
15:15	How I do it: ETV & CPC with flexible endoscope	Blount
15:30	Case presentation by Malaysian faculty	
15:45	Case presentation by Malaysian faculty	
16:00	Case presentation by ISPN faculty	Zanon
16:15	Q&A session	
16:30	How I do it: postnatal MMC	Zanon
16:45	How I do it: fetal MMC	Zanon
17:00	How I do it: lipoma	Seow
17:15	Case presentation by Malaysian faculty	
17:30	Closing remarks	



Symposium Day 2 (Saturday, 22.07.2023)

Time	Topic	Presenter
SESSION 5: TUMORS I		
Moderators: Prof. Sandip Chatterjee, Dr. Azmi Alias		
08:00	Periventricular tumors in neurosurgery	Zamzuri
08:15	Optic pathway glioma management	Constantini
08:30	Current trends in the treatment of pediatric craniopharyngioma	Constantini
08:45	Tumors of the pineal region	Seow
09:00	Q&A session	
09:15	Ependymomas -- supra- and infratentorial	Suchanda
09:30	Understanding medulloblastomas	Seow
09:45	Brainstem tumors: surgical indications	Sandip
10:00	Q&A session	
10:15	Coffee break	
SESSION 6: TUMORS II, CYSTS AND MORE		
Moderator: Prof. Sandip Chatterjee, Prof. Zamzuri Idris		
10:30	Tips and tricks of performing supratentorial craniotomy for tumors	Suchanda
10:45	Approach to midline pediatric posterior fossa tumors	Constantini
11:00	Brain connections, new paradigms	Vilasboas
11:15	Cavernous angioma; there is a place for medical treatment	Zanon
11:30	Intraoperative neuromonitoring for brain tumor surgery	Chatterjee
11:45	Q&A session	
12:00	Case presentation by Malaysian faculty & attendees	
12:15	Case presentation by ISPN faculty	
12:30	Lunch break	



Time	Topic	Presenter
SESSION 7: EPILEPSY SURGERY		
Moderators: Prof. Suchanda Bhattacharjee, Dr. Azmi Alias		
13:30	Working up a child for epilepsy surgery	Suchanda
13:45	Indications for epilepsy surgery	Constantini
14:00	Technique: temporal lobectomy	Suchanda
14:15	Technique: corpus callosotomy	Blount
14:30	Technique: hemispherectomy, indications and outcome	Blount
14:45	Surgical treatment for refractory epilepsy in children: local experience	Azmi
15:00	Q&A session	
15:15	Coffee break	
SESSION 8: MISCELLANEOUS		
15:30	Moyamoya revascularization surgery: local experience in HUKM	Azizi
15:45	Supratentorial arachnoid cysts	Blount
16:00	Infratentorial arachnoid cyst	Zanon
16:15	Case presentation by Prof. Jeffrey Blount & Malaysian faculty	
17:00	Q&A session	
17:15	MCQ	
17:30	Course evaluation and closing remarks	



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Event Venue



EDUCATIONAL COURSE JULY 21-22, 2023

Auditorium Perdana, Hospital Tunku Azizah

Kuala Lumpur opened its own Women and Children Hospital in 2019, and was officiated by the Queen on January 20, 2020. It is fully decked with multiple facilities to house myriad pediatric subspecialties, including neurosurgery.

The main auditorium can seat up to 200 pax, and the foyer outside can be used by our trade partners to open promotional booths.



PRE-SYMPOSIUM CRANIAL ULTRASOUND WORKSHOP JULY 20, 2023

Main seminar rooms, Hospital Tunku Azizah

Our seminar rooms can comfortably sit between 25 and 30 participants, plus faculty and support staff. We have previously conducted this workshop with the support of pediatric radiologists, and the feedback was superb, encouraging us to conduct another full-day workshop.



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Registration Fee

Ultrasound Workshop	
Neurosurgeons/Specialists	MYR 500.00
Registrars/Master's Degree Candidates	MYR 350.00
International Delegates	USD 200.00

Combo Discount	
Combo price for Neurosurgeons/Specialists	MYR 700.00
Combo price for Registrars/Master's Degree Candidates	MYR 500.00
Combo price for International Delegates	USD 300.00

Education Course	
Neurosurgeons/Specialists	MYR 400.00
Other Doctors	MYR 300.00
Nurses and Paramedics	MYR 150.00
International Delegates	USD 150.00



REGISTER HERE

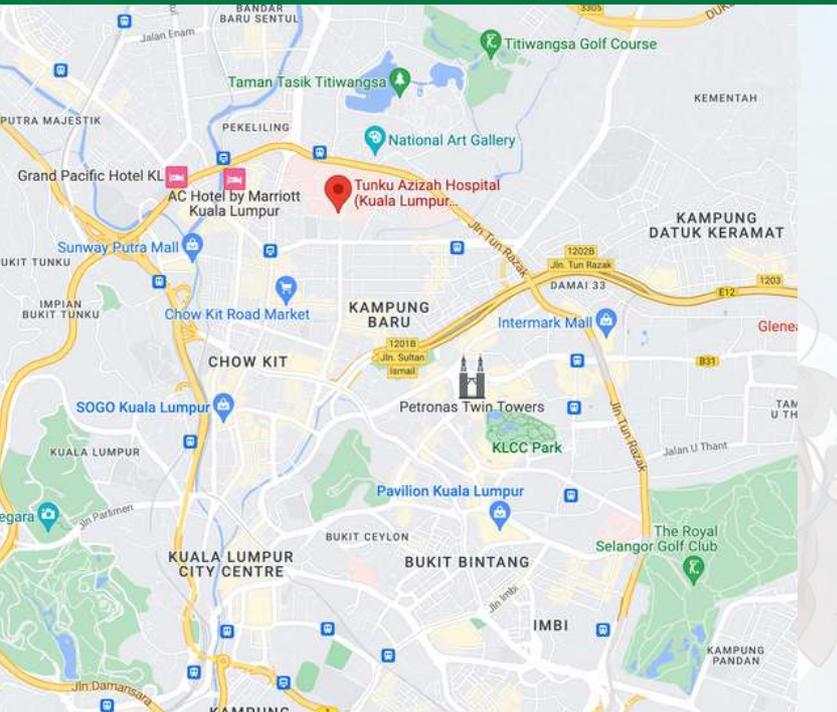
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SCAN ME



Accommodation



[Hospital Tunku Azizah](#)

Accommodation is not provided for delegates. However, these are a few recommendations for hotels near Hospital Tunku Azizah:

5-STAR HOTELS

- [Seri Pacific Hotel](#)
- [Sunway Putra Hotel](#)
- [Chambers Kuala Lumpur by Five Senses](#)
- [Star Residences KLCC](#)
- [AC Hotel by Marriott Kuala Lumpur](#)
- [Shangri-La Hotel Kuala Lumpur](#)

4-STAR HOTELS

- [Hilton Garden Inn Kuala Lumpur](#)
- [Tamu Hotel & Suites](#)
- [Expressionz Professional Suites](#)
- [Fairfield by Marriott Kuala Lumpur](#)
- [Chambers Premier Suites](#)
- [H&N Luxury Suites KLCC](#)

3-STAR HOTELS

- [Swiss Cottage Hotel](#)
- [TR Residence @ KL Titiwangsa](#)
- [Leo Palace Hotel](#)
- [Riccarton Capsule Hotel](#)
- [Menara Arina Uniti by Grabstay](#)
- [Mercuri Summer Suite KLCC](#)
- [Akar Hotel Kampung Baru](#)



At the heart of our purpose lies the vision to shape a better future for children in need of neurosurgical care around the globe. Since our inception, ISPN has been passionately devoted to fostering the health and welfare of these children through scientific exploration and collaborative international efforts. In 1972, eleven visionary neurosurgeons gathered in Chicago, following an influential meeting held in Paris. Inspired by a common desire to consolidate global efforts in pediatric neurosurgery, they founded the International Society for Pediatric Neurosurgery (ISPN). This marked the beginning of an unyielding pursuit of knowledge sharing, with the first official meeting slated for Tokyo just a year later.

Our pioneering spirit is fueled by a collective belief that there is a vast spectrum of knowledge to be acquired in the field of pediatric neurosurgery. We understand that through frequent assembly and exchange of insights, we can catalyze the rapid evolution of our specialty. In fact, fostering effective communication has always been the bedrock of ISPN's activities. A testament to this is the mission statement established by our president Hal Rekaté in 2000. It underlines our commitment to enhancing children's health worldwide by advocating for the ethical transfer and dissemination of neuroscientific data and techniques related to pediatric neurosurgery.

At ISPN, our mission extends beyond promotion and transcends into tangible action. We invest our resources—time, energy, and funds—into supporting global educational activities. Each year, we host an international scientific meeting graced by physicians and allied healthcare professionals worldwide. These occasions offer us a platform to share cutting-edge advancements in children's care and strategize on furthering ISPN's educational endeavors. Moreover, we extend our educational outreach to emerging nations through annual courses designed to equip local physicians with contemporary knowledge in pediatric neurosurgery. Our members contribute to our professional journal, *Child's Nervous System*, furthering our global outreach. This relentless pursuit to enhance our specialty stems from our unwavering love for children and the compelling aspiration to offer them the best possible care.



ISPN

INTERNATIONAL SOCIETY FOR
PEDIATRIC NEUROSURGERY

About ISPN

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