

**PROGRAM OUTLINE**

		29th May Wed	30th May Thu	31st May Fri	1st June Sat
08:00 to 12:30	Morning		Hydrocephalus and CSF-related disorders	Craniofacial	Spinal Dysraphism
				Other Congenital Malformations	Craniocervical junction
12:30 to 13:30	Lunch				
13:30 to 17:30	Afternoon		Infection	Free Afternoon	Trauma
			Vascular		Course Appraisal
18:00	Evening	Faculty Meeting			

**FACULTY**

Ronnie BATICULON  
Suchanda BHATTACHARJEE  
Robert Hsih Hung CHEN  
Chandrashekar DEOPUJARI  
Dharmendra GANESAN  
Meng Fai KUO  
Wirginia MAIXNER  
Nobuhito MOROTA  
Suresh SANKHLA  
Kaushik SIL  
Alison WRAY  
Shih-Hung YANG

Uday ANDAR  
Shibu PILAI  
Subodh RAJU  
Saurav SAMANTRAY  
Suhas UDAYAN

**DAY 1**  
30 May 2024

Timeslot	Topic	Faculty
8:00 – 8:10	Welcome and Orientation	Wirginia MAIXNER Ron BATICULON
8:10 to 10:00 HYDROCEPHALUS		
	CSF Physiology	Prereading
8:10 – 8:20	Antenatal ventriculomegaly/hydrocephalus	Nobu MOROTA
8:20 – 8:30	Perinatal hydrocephalus (including post-hemorrhagic hydrocephalus)	Chandrashekar DEOJUARI
8:30 – 8:40	Postinfectious hydrocephalus	Suchanda BHATTACHARJEE
	Permanent drainage: Shunt systems	Prereading
8:40 – 8:50	Permanent drainage: Shunt vs. ETV	SEOW Wan Tew
8:50 – 9:00	How to choose a shunt	Wirginia MAIXNER
9:00 – 9:10	How to determine CSF drainage success	Robert CHEN
9:10 – 9:20	CSF drainage complications and how to avoid them Slit ventricle syndrome	Meng Fai KUO
9:20 – 9:30	How not to miss the ventricles	Ron BATICULON
9:30 – 10:00	Case Discussion	Alison WRAY and Dharmendra GANESAN

Timeslot	Topic	Faculty
10:15 – 11:30 CSF TECHNIQUES		
	Ventricular anatomy: Landmarks, endoscopic	Prereading
	How to do temporary drainage	Prereading
10:30 – 10:40	How to implant a VP shunt	Wirginia MAIXNER
10:40 – 10:50	How to implant a VA shunt	Shih-Hung YANG
10:50 – 11:00	How to implant an LP shunt	Shih-Hung YANG
11:00 – 11:10	How to do an ETV	Suresh SANKHLA

11:10 – 11:40	Case Discussions of Complications	Suchanda BHATTACHARJEE
11:40 – 12:30 CSF COLLECTIONS		
11:40 – 11:50	Arachnoid cysts: Suprasellar, Sylvian, quadrigeminal – surgical management	Chandrashekar DEOPUJARI
11:50 – 12:00	Post fossa cysts – Dandy Walker and its variants – surgical management	Subodh RAJU
12:00 – 12:10	Ruptured arachnoid cysts	Nobu MOROTA
12:10 – 12:30	Case discussion – indications, choice of procedure, complication and avoidance	Robert CHEN Suresh SANKHLA

Timeslot	Topic	Faculty
13:30 – 15:30 INFECTION		
13:30 – 13:40	Intracranial abscess	Dharmendra GANESAN
13:40 – 13:50	Subdural empyemas	Robert CHEN
13:50 – 14:00	Post-operative infection and prevention	Kaushik SIL
14:00 – 14:30	Case Discussion	Chandrashekar DEOPUJARI
14:30 – 14:40	TB, post-TB hydrocephalus, and Tuberculomas	Kaushik SIL
14:40 – 14:50	Cysticercosis	Dharmendra GANESAN
14:50 – 15:00	Parasitic infections	Suchanda BHATTACHARJEE
15:00 – 15:30	Case Discussion	Ron BATICULON Alison WRAY

Timeslot	Topic	Faculty
16:00 – 17:30 VASCULAR		
	Classification of pediatric vascular malformations	Prereading
16:00 – 16:10	Aneurysms	Suhas UDAYAN
16:10 – 16:20	AVM: Endovascular/radiotherapy	Wirginia MAIXNER
16:20 – 16:30	AVM: Surgery	Shibu PILAI
16:30 – 16:50	Case Discussion	Meng Fai KUO Wirginia MAIXNER
16:50 – 17:00	VGAM	Robert CHEN
17:00 – 17:10	Moya Moya	Meng Fai KUO
17:10 – 17:30	Case Discussion	Subodh RAJU

**DAY 2**  
31 MAY 2024

Timeslot	Topic	Faculty
8:00 – 10:00 CRANIOFACIAL		
	Classification, Pathogenesis and Genetics	Prereading
8:00 – 8:15	Nonsyndromic craniosynostosis and their neurosurgical aspects	Uday ANDAR
8:15 – 8:30	Syndromic craniosynostosis and their neurosurgical aspects	Alison WRAY
8:30 – 8:45	Principles of anterior skull surgery	Dharmendra GANESAN
8:45 – 9:00	Principles of posterior skull surgery	Alison WRAY
9:00 – 9:20	Case Discussion	Meng Fai KUO
9:20 – 9:30	Positional plagiocephaly	Suchanda BHATTACHARJEE
9:30 – 9:40	Management of Chiari, hydrocephalus, raised ICP, and syrinx in craniofacial disorders	Alison WRAY
9:40 – 10:00	Case discussion	Chandrashekar DEOPUJARI Subodh RAJU

Timeslot	Topic	Faculty
10:30 – 12:00 CONGENITAL MALFORMATIONS		
10:30 – 10:40	Anterior encephaloceles	Ron BATICULON
10:40 – 10:50	Posterior encephaloceles	Ron BATICULON
10:50 – 11:00	Cutis aplasia	Dharmendra GANESAN
11:00 – 11:10	Sinus pericranii	Meng Fai KUO
11:10 – 11:45	Case discussion	Alison WRAY

FREE AFTERNOON

**DAY 3**  
1 JUNE 2024

Timeslot	Topic	Faculty
8:00 – 10:00 SPINAL DYSRAPHISM		
	Embryology and classification of spinal malformations	Prereading
8:00 – 8:10	Antenatal/perinatal management of myelomeningoceles (MMC)	Wirginia MAIXNER
8:10 – 8:20	MMC: Management of hydrocephalus	Suchanda BHATTACHARJEE
8:20 – 8:30	MMC: Surgical repair	Suresh SANKHLA
8:30 – 8:40	Long term management of spinal malformations – assessment of tethering	Nobu MOROTA
8:40 – 9:00	Case discussion	Ron BATICULON
9:00 – 9:10	Lumbosacral lipomas: when to operate	Nobu MOROTA
9:10 – 9:20	Limited dorsal myeloschisis and dermal sinus tracts	Kaushik SIL
9:20 – 9:30	Diastematomyelia	Sobodh RAJU
9:30 – 9:40	Role of intraoperative neuromonitoring	Wirginia MAIXNER
9:40 – 10:00	Case discussion	Alison WRAY

Timeslot	Topic	Faculty
10:30 – 12:30 CRANIOVERTEBRAL JUNCTION		
10:30 – 10:45	Morphology and radiology of CVJ malformations	Robert CHEN
10:45 – 11:00	Principles of CVJ stabilization	Subodh RAJU
11:00 – 11:20	Case Discussion	Kaushik SIL
11:20 – 11:30	Chiari 1 malformation	Shih-Hung YANG
11:00 – 11:40	Chiari 0 and 1.5	Nobu MOROTA
11:40 – 11:50	How I do It: Chiari 1 malformation	Chandrashekar DEOJUARI
11:50 – 12:00	Management of syringomyelia	Uday ANDAR
12:00 – 12:30	Case discussion	Nobu MOROTA

Timeslot	Topic	Faculty
13:30 – 15:30 TRAUMA		
13:30 – 13:40	Nonaccidental injury	Shih-hung YANG
13:40 – 13:50	Management of intracranial hemorrhage and diffuse axonal injury	Kaushik SIL
13:50 – 14:00	Growing skull fracture	Ron BATICULON
14:00 – 14:10	Intracranial pressure monitoring	Robert CHEN
14:10 – 14:30	Case discussion	Meng Fai KUO Ron BATICULON
14:30 – 14:40	Spinal cord injury	Uday ANDAR
14:40 – 15:00	Spinal column injury in children	Alison WRAY
15:00 – 15:30	Case discussion	Subodh RAJU

Timeslot	Topic	Faculty
15:30 – 16:00 CLOSING PROGRAM		
15:30 – 16:00	Course appraisal and awarding of certificates	Wirginia MAIXNER Ron BATICULON All faculty