

First ISPN-ESPN African Paediatric Neurosurgery Course

Module 1: Centurion 09-13 March 2014



Draft Program

Monday 10 March 2014

Session 1 *Hydrocephalus: Physiology and pathophysiology*

08h00-08h10	Welcome and Course overview	Graham Fieggen (CT)
08h10-08h30	CSF physiology and pathogenesis of hydrocephalus	Wan Tew Seow (Singapore)
08h30-08h50	Diagnosis and Imaging of hydrocephalus	Llewellyn Padayachy (CT)
08h50-09h10	Prenatal diagnosis and management	Michel Zerah (Paris)
09h10-09h50	Mechanisms of hydrocephalus in specific conditions	
	Myelomeningocele	Leland Albright (Kijabe)
	Neonatal posthaemorrhagic hydrocephalus	Erastus Kiratu (Durban)
	Post-infectious hydrocephalus	Sandip Chatterjee (Kolkata)
	Post-traumatic hydrocephalus	John Ouma (Johannesburg)
	Venous obstruction	Graham Fieggen (CT)
09h50-10h00	<i>Discussion</i>	
10h00-10h30	Tea	

Session 2 *Hydrocephalus: treatment options*

10h30-10h50	Hydrocephalus in Africa	Peter Ssenyonga (Mbale)
10h50-11h10	Evolution in shunt design	Jack Walker (Salt Lake City)
11h10-11h30	What shunts are out there?	Anthony Figaji (CT)
11h30-11h50	How shunts go wrong	Sandip Chatterjee (Kolkata)
11h50-12h10	How can we reduce shunt complications?	Michel Zerah (Paris)
12h10-12h30	<i>Discussion</i>	
12h30-14h00	Lunch	

Afternoon **All delegates and faculty to Cradle of Mankind**

Wednesday 12 March 2014

Session 1 **Spasticity and Peripheral Nerve**

08h00-08h30	Management of spasticity	Jack Walker (Salt Lake City)
08h30-08h45	Peripheral neurectomy	Michel Zerah (Paris)
08h45-09h00	Baclofen	Leland Albright (Kijabe)
09h00-09h10	<i>Discussion</i>	
09h10-09h40	Peripheral nerve palsies	Pim v Ouwkerk (Amsterdam)
09h40-10h00	Principles of microsurgery	Llewellyn Padayachy (CT)

10h00-10h30 **Tea**

Session 2 **Posterior fossa tumours I: Surgical considerations**

10h30-10h45	Clinical presentation and functional anatomy	Graham Fieggen (CT)
10h45-11h00	Surgical anatomy	Anthony Figaji (CT)
11h00-11h30	Principles of Surgery	Michel Zerah (Paris)
11h30-12h00	Operative nuances of specific tumours:	
	Medulloblastoma	Pim v Ouwkerk (Amsterdam)
	Ependymoma	Guirish Solanki (Birmingham)
	Cerebellar astrocytoma	Gianpiero Tamburrini (Rome)
	Focal brainstem tumours	Jack Walker (Salt Lake City)
	Brainstem glioma	Guirish Solanki (Birmingham)
	Other lesions	Sandip Chatterjee (Kolkata)

12h00-12h30 *Round Table Discussion*

12h30-14h00 **Lunch**

Session 3 **Posterior fossa tumours II: Biology and Management**

14h00-14h30	Complications of surgery	Gianpiero Tamburrini (Rome)
14h30-14h50	Molecular biology of posterior fossa tumours	Anthony Figaji (CT)
14h50-15h10	Multidisciplinary team management	Guirish Solanki (Birmingham)
15h10-15h30	Managing PFT- the CURE experience	Peter Ssenyonga (Mbale)
15h30-16h00	5 lessons learnt in managing PFTs	Wan Tew Seow (Singapore)
16h00-16h30	<i>Discussion</i>	

16h30-17h00 Tea

17h00-20h00 Hands-on and Case Discussions

Attendees divided into two groups which swap for the second session

17h00 – 18h30 **Hands-on 2:** *Microsurgery and Peripheral Nerve*

18h30 – 20h00 **Case discussions and videos 2:** *Posterior fossa tumours*

Thursday 13 March 2014

Session 1 Craniofacial I

08h00-08h20	Genetics, classification and workup	Federico di Rocco (Paris)
08h20-09h00	Non-syndromic craniosynostosis:	
	Scaphocephaly	Llewellyn Padayachy (CT)
	Trigonocephaly	Guirish Solanki (Birmingham)
	Anterior Plagiocephaly	Gianpiero Tamburrini (Rome)
	Posterior Plagiocephaly	Jack Walker (Salt Lake City)
09h00-09h15	Oxycephaly and syndromic craniosynostosis	Federico di Rocco (Paris)
09h15-09h30	Neurological sequelae of craniosynostosis	Federico di Rocco (Paris)
09h30-10h30	Case discussions/ videos 3: Craniofacial	

10h30-11h00 Tea

Session 2 Craniofacial II

11h00-11h15	Cranioplasty techniques	Graham Fieggen (CT)
11h15-11h30	Blood saving techniques	Llewellyn Padayachy (CT)
11h30-11h45	Encephalocele- an overview	Leland Albright (Kijabe)
11h45-12h00	Basal encephalocele	Federico di Rocco (Paris)
12h00-12h15	Posterior encephalocele	Peter Ssenyonga (Mbale)
12h15-12h45	Ethical and legal decision-making in congenital anomalies	WT Seow (Singapore)
12h45-13h00	<i>Discussion</i>	
13h00-14h00	Working lunch: course review and plans for Module 2 in 2015	

Course supported by

