

Course Day ONE:
May 10th 2018, Thursday

07:00 – 07:15 Introduction & Orientation
N. S. Alshafai (*CFN Review Director & Chair of Neuroscience at The Royal Commission Hospital*)

M. Almogbil (*Medical Director of The Royal Commission Hospital*)

“Spine Surgery Chapter”

Faculty	TBA
07:20 – 07:30	Round table faculty discussion
07:30 – 07:55	Spinal Biomechanics and Stability
07:55 – 08:00	Q & A
08:00 – 08:10	Round table faculty discussion
08:10 – 08:55	Degenerative spinal surgery
08:55 – 09:00	Q & A
09:00 – 09:10	Round table faculty discussion
09:10 – 09:55	Reconstructing the spine (including MISS) – When and How?
09:55 – 10:00	Q & A
10:00 – 10:10	Round table faculty discussion
10:10 – 10:55	Spinal column tumors- A to Z
10:55 – 11:00	Q & A
11:00 – 11:05	Round table faculty discussion
11:05 – 11:25	Spinal Cord Injury & beyond
11:25 – 11:30	Q & A
11:30 – 11:45	BREAK
11:45 – 11:55	Round table faculty discussion
11:55 – 12:40	Surgical management of Spinal Column Trauma
11:40 – 11:45	Q & A
12:45 – 14:00	LUNCH

“Peripheral Nerve Surgery Chapter”

Faculty	TBA
14:00 – 14:30	How to do a peripheral nerve clinical examination- illustration
14:30 – 14:35	Round table faculty discussion
14:35 – 15:10	Diagnosis and surgical management of Peripheral nerves (Brachial plexus)
15:10 – 15:15	Q & A
15:15 – 15:30	BREAK
15:30 – 15:40	Round table faculty discussion
15:40 – 16:25	Diagnosis and surgical management of Peripheral nerves (Upper extremities)
16:25 – 16:30	Q & A
16:30 – 16:35	Round table faculty discussion
16:35 – 16:55	Diagnosis and surgical management of Peripheral nerves (Lumbosacral plexus and Lower extremities)
16:55 – 17:00	Q & A
16:45:	Participants will divide into four small groups (Will rotate attending 4 stations) (Dinner will be served at 19:00)

Station 1: Radiology of the spine

TBA

Station 2: Spine Trauma

TBA

Station 3: Spine inflammatory and Infectious disorders

TBA

Station 4: Spine vs. Peripheral

TBA

21:00 **Adjourn**

Course Day TWO:
May 11th 2018, Friday

“Neuro-ncology & Skull-base Surgery Chapter”

Faculty	TBA
07:00 – 07:05	Round table faculty discussion
07:05 – 07:25	Anatomico-radiological approach to the gyri and sulci
07:25 – 07:30	Q & A
07:30 – 07:40	Round table faculty discussion
07:40 – 08:25	Surgical anatomy of the brain White matter
08:25 – 08:30	Q & A
08:30 – 08:35	Round table faculty discussion
08:35 – 09:25	Endoscopic surgical anatomy of the Skull-base
09:25 – 09:30	Q & A
09:30 – 09:40	Round table faculty discussion
09:40 – 10:55	Skull base lesions. Cases and pearls from the frontal sinus to the foramen magnum
10:55 – 11:00	Q & A
11:00 – 11:15	BREAK
11:15 – 11:20	Round table faculty discussion
11:20 – 12:00	Surgical management of infiltrative brain tumors
11:55 – 12:00	Q & A
11:00 – 13:45	LUNCH
13:45 – 15:45	Cranial Surgical approaches <u>3D</u>
15:45 – 16:00	Evaluation of Day 1
16:00:	Participants will divide into four small groups (Will rotate attending 4 stations) (Dinner will be served at 18:00)

Station 1: Principals of radiosurgery & radiation therapy

TBA

Station 2: Pituitary surgery case discussion

TBA

Station 3: Skullbase cases

TBA

Station 4: Extended skullbase endoscopic cases
TBA

21:00

Adjourn

Course Day THREE:
May 12th 2018, Saturday

07:00 – 07:15 Training & Education in Neurosurgery

“Cerebrovascular Surgery Chapter”

Faculty TBA

07:15 – 07:25 Round table faculty discussion

07:25 – 08:10 Surgical anatomy and physiology “The Arteriovenous System”

08:10 – 08:15 Q & A

08:15 – 08:25 Round table faculty discussion

08:25 – 09:10 Medical, Surgical and endovascular management of Stroke

09:10 – 09:15 Q & A

09:15 – 09:30 **Coffee Break**

09:30 – 09:35 Round table faculty discussion

09:35 – 10:25 Intra-cerebral Hemorrhage, pearls of brain vascular malformation, Surgical and Endovascular management

10:25 – 10:30 Q & A

10:30 – 10:35 Round table faculty discussion

10:35 – 11:10 Cavernous malformation

11:10 – 11:15 Q & A

11:15 – 11:30 Evaluation of Day 2

11:30 – 11:35 Round table faculty discussion

11:35 – 11:55 Vascular Bypass surgery (Why, When and how)

11:55 – 12:00 Q & A

12:00 – 13:00 **Lunch Break**

13:00 – 13:10 Round table faculty discussion

13:10 – 14:25 Pearls in the management of Aneurysms & Sub arachnoid hemorrhage

14:25 – 14:30 Q & A

“Head injury and Neuro-critical care Chapter”

Faculty TBA

Round table format lectures

14:30 – 14:35 Round table faculty discussion

14:35 – 15:10 The management of traumatic brain injury I
15:10 – 15:15 Q & A

15:15 – 15:20 Round table faculty discussion
15:15 – 15:55 The management of traumatic brain injury II
15:55 – 16:00 Q & A

16:00: **Participants will divide into four small groups**
(Will rotate attending 4 stations)
(Dinner will be served at 18:00)

Station 1: Trauma and Critical Care (Neuro ATLS)

TBA

Station 2: Vascular imaging

TBA

Station 3: Surgical approaches

TBA

Station 4: Clinical Case Discussions

TBA

21:00 **Adjourn**

21:15 – 24:00 **“Networking Reception”**
Meet your colleagues and faculty from all-around the world
in a relaxed atmosphere. “Complimentary event”

Course Day FOUR:
May 13th 2018, Sunday

Faculty TBA

Round table format lectures

07:00 – 07:10 Round table faculty discussion
07:10 – 07:50 Intra-operative Neuro-monitoring (Cranial & Spinal)
07:50 – 08:00 Q & A

“Epilepsy”

Faculty TBA

Round table format lectures

08:00 – 08:10 Round table faculty discussion
08:10 – 08:55 Drug resistant epilepsy: Evaluation
08:55 – 09:00 Q & A

09:00 – 09:10 Round table faculty discussion
09:10 – 09:55 Drug resistant epilepsy: Surgical management
09:55 – 10:00 Q & A

10:00 – 10:15 **Coffee Break**

10:15 – 10:30 Evaluation of day 3

Paediatric Surgery Chapter”

Faculty TBA

Round table format lectures

10:30 – 11:00 Surgical management of Intra-cranial cysts

11:00 – 11:10 Round table faculty discussion
11:10 – 11:55 Management of Hydrocephalus
11:55 – 12:00 Q & A

12:00 – 13:00 **Lunch Break**

13:00 – 13:10 Round table faculty discussion
13:10 – 13:55 The surgical management of Pediatric Brain tumors
13:55 – 14:00 Q & A

14:00 – 14:10 Round table faculty discussion
14:10 – 14:55 The management of Pediatric congenital cranial abnormalities
(Craniosynostosis & encephalo-coeles)
14:55 – 15:00 Q & A
15:00 – 15:15 **BREAK**
15:15 – 16:00 An over view of Chiari-malformation

N. Alshafai,

Feedback distribution to all participants for their performance during the week
"Closed session with participants only"

16:00: **Participants will divide into five small groups**
(Will rotate attending 4 out of 5 stations)
(Dinner will be served at 18:00)

Station 1: Hydrocephalus (which system and when)
TBA

Station 2: A practical approach to Epilepsy patient
TBA

Station 3: Ventricular anatomy
TBA

Station 4: Spinal Dys-raphism
TBA

20:30 **Adjourn**

Course Day FIVE:
May 14th 2018, Monday

07:00 – 07:45 Surgical management of ventricular lesion (open & endoscopic).

“Functional & Pain Surgery Chapter”

Faculty TBA

Round table format lectures

07:45 – 07:55 Round table faculty discussion

07:55 – 08:40 The Basic Science of Functional Neurosurgery

08:40 – 08:45 Q & A

08:45 – 08:55 Round table faculty discussion

08:55 – 09:40 The surgical management of movement disorders

09:40 – 09:45 Q & A

09:45 – 09:55 Round table faculty discussion

09:55 – 10:40 The surgical management of pain and spasticity disorders

10:40 – 10:45 Q & A

“Miscellaneous Chapter”

Faculty TBA

Round table format lectures

10:50 – 11:00 Round table faculty discussion

11:00 – 11:20 Normal Pressure Hydrocephalus & Pseudo-tumor Cerebri

11:20 – 11:25 Q & A

11:25 – 11:55 Neurology for Neurosurgeons

11:55 – 12:00 Q & A

12:00 – 13:00 **Feedback distribution to all participants for their performance during the week**

“Closed session with participants only”

Complimentary Lunch will be served

13:15 – 14:45 **END OF COURSE PRACTICE EXAM**

Certificates will be distributed

14:45 – 16:00 **The CFN Review Challenge**

“Mandatory attendance faculty and participants”

16:00 **Adjourn, End of Course**

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