



CCN REVIEW MASTER COURSE 2024

Dec 01 - 06, 2024
The Hilton Garden Inn Airport
Krakow, Poland

Dec 01, 2024, Sunday:

13:00	Registration
16:00 - 17:00	N. Alshafai, Introduction & Orientation to the CCN Review 2024
17:00 - 17:30	N. Alshafai, A Guide on How to Perform in Oral Exam
17:30 - 18:30	J. Rossiter, Neuropathology Introduction

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NABEEL ALSHAFAI
NEURO SPINE

REGISTRATION FEE INCLUDES

Entire Event Coverage: 5 days / 12 hours a day

- Over 60 hours of case presentations and plenary lectures.
- Comprehensive & up-to-date neurosurgery literature review.
- Relevant neuroradiology and neuropathology lectures.
- Discussions of surgical approaches in real-life scenarios.
- Surgical approaches and anatomical video teaching.
- Round table discussions on every area of neurosurgery.
- 95+ case scenarios discussed in a small group intimate format.
- 95+ hot seat scenarios; oral board exam preparation.
- Feedback and private assessment of performance summary.
- Each participant will have a profile with personalized data and study material.
- Real-time Interactive Voting.
- Educational and fun competitive games.
- Additional Social Networking Events.
- And MORE ...

FOR MORE INFORMATION

www.ccnreview.com | www.alshafaiacademy.org

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Course Day ONE

December 02, 2024, Monday

Spine Surgery Chapter

Spine Biomechanics & Tumors

07:30 - 08:00 **N. Alshafai**, Biomechanics of the Spine

08:00 - 08:45 **J. Hurlbert**, Decompressing the Spine – When and How?

08:45 - 09:30 **A. Levi**, Reconstructing the Spine – When and How?

09:30 - 09:45 **Coffee Break**

09:45 - 10:15 **N. Alshafai**, Spinal Column Tumors – A to Z

10:15 - 10:30 **A. Levi**, Minimally Invasive Spine Surgery

10:30 - 11:00 **J. Hurlbert**, Cervical Spinal Column Trauma - Classification and Surgical Management

11:00 - 11:30 **A. Levi**, Thoracolumbar Spinal Column Trauma - Classification and Surgical Management

11:30 - 12:00 **J. Hurlbert**, Spinal Cord Injury and Beyond

12:00 - 13:00 **Lunch Break**

Peripheral Nerve Surgery Chapter

13:00 - 13:30 **R. Spinner**, How to do a Peripheral Nerve Clinical Examination-Illustration

13:30 - 14:15 **R. Spinner**, Diagnosis and Surgical Management of Peripheral Nerves (Brachial Plexus)

14:15 - 14:45 **R. Spinner**, Diagnosis and Surgical Management of Peripheral Nerves (Upper Extremities)

14:45 - 15:00 **Stretch Exercises**

15:00 - 15:30 **R. Spinner**, Diagnosis and Surgical Management of Peripheral Nerves (Lumbosacral Plexus and Lower Extremities)

15:30 - 16:30 **Peripheral Nerve - Station:**

A. Levi (Miami, USA)

R. Spinner (Rochester, USA)

N. Alshafai (Course Director)

16:30 - 17:30 **Spine Imaging and Pathology - Station**

J. Rossiter (Kingston, Canada)

O. Islam (Kingston, Canada)

N. Alshafai, Course Director

17:30

Participants will divide into three small groups

60 Minutes Each Station Small Groups | Four Cases in Each Station

Round Table Discussions of Clinical Case Scenarios **(Auditor: TBA)**

(Dinner will be Served at 19:00)

Station 1: Spine

A. Levi (Miami, USA)

TBA

Station 2: Spine

J. Hurlbert (Tucson, USA)

TBA

Station 3: Spine

M. Cusimano (Toronto, Canada)

L. Angelov (Cleveland, USA)

20:30 **Adjourn**

Course Day TWO

December 03, 2024, Tuesday

Skull Base Chapter

07:30 - 08:30 **J. Rossiter**, Brain Tumor Pathology

08:30 - 08:40 **N. Alshafai**, Evaluation of Day 1

08:40 - 09:00 **O. Islam**, Advanced Brain Tumour Imaging

09:00 - 09:30 **M. Cusimano**, Skull Base Lesions. Cases and Pearls from the Frontal Sinus to the Foramen Magnum I

09:30 - 09:45 **Coffee Break**

09:45 - 10:10 **L. Angelov**, Neurosurgical Principals of Intracranial Radiosurgery

10:10 - 11:50 **M. Cusimano**, Skull Base Lesions. Cases and Pearls from the Frontal Sinus to the Foramen Magnum II

11:50 - 12:00 **L. Angelov**, Non-Invasive Strategies for Spine Tumors

12:00 - 13:00 **Lunch Break**

13:00 - 13:15 **M. Sabel**, Principles of Surgical Management of Gliomas

13:15 - 14:15 **M. Sabel**, Optimized Resection of Glioma Mapping & Monitoring

14:15 - 14:45 **M. Rapp**, Non-Surgical Management of Gliomas

14:45 - 15:15 **L. Angelov**, Brain Metastasis

15:15 - 15:30 **Stretch Exercises**

Neuro-oncology Chapter

15:30 - 16:00 **P. Gonzales**, Insular Tumors, (including Cavernomas): Approaches and Functional Monitoring

16:00 - 16:30 **T. Krings**, Tumor Mimics

16:30 - 17:30 **Brain tumors Imaging and Pathology Differentials to Working Diagnosis - Station**

J. Rossiter (Kingston, Canada)

T. Krings (Toronto, Canada)

N. Alshafai, Course Director

17:30 Participants will divide into three small groups
60 Minutes Each Station Small Groups | Four Cases in Each Station
Round Table Discussions of Clinical Case Scenarios (**Auditor: TBA**)
(Dinner will be Served at 19:00)

Station 1: Skull-base

M. Cusimano (Toronto, Canada)

TBA

Station 2: Neuro-oncology

L. Angelov (Cleveland, USA)

TBA

Station 3: Pituitary

R. Kirillos (Singapore)

TBA

20:30 **Adjourn**

Course Day THREE

December 04, 2024, Wednesday

Cerebrovascular & Endovascular Chapter

07:30 - 08:00 **R. Kirollos**, Surgical Anatomy and Physiology "The Arterial System"

08:00 - 08:30 **T. Krings**, Anatomy and Physiology "The Venous System"

08:30 - 09:00 **R. Kirollos**, Wrapping It Up, Surgical Anatomy and Physiology "The Arterial & Venous System"

09:00 - 09:10 **TBA**, Medical Management of Stroke

09:10 - 09:20 **M. Wiedmann**, Surgical Management of Stroke - Decompressive Craniectomy

09:20 - 09:35 **Coffee Break**

09:35 - 10:05 **T. Krings**, Endovascular Management of Stroke

10:05 - 10:45 **T. Krings**, Pearls of Brain Vascular Malformation, Endovascular Management

10:45 - 11:15 **R. Kirollos**, Pearls of Arteriovenous Malformation, Surgical Management

11:15 - 11:25 **R. Kirollos**, Pearls of Dural Arteriovenous Fistula, Surgical Management

11:25 - 11:50 **C. Wallace**, Cavernous Malformation (Recorded Video)

11:50 - 12:00 **N. Alshafai**, *The Wallace - Cusimano Honorary Lectureship*

12:00 - 13:00 **Lunch Break**

13:00 - 13:10 **O. Islam**, Imaging of Cavernous Malformation

13:10 - 13:15 **N. Alshafai**, Evaluation of Day 2

13:15 - 14:00 **T. Krings**, Pearls in the Endovascular Management of Aneurysms & Sub Arachnoid Hemorrhage

14:00 - 14:30 **R. Kirollos**, Pearls in the Surgical Management of Aneurysms & Sub Arachnoid Hemorrhage

14:30 - 15:00 **M. Wiedmann**, Vascular Bypass Surgery (Why, When and How)

15:00 - 15:15 **Stretch Exercises**

15:15 - 15:45 **R. Kirollos**, Surgical Approaches to Deep Brain Lesions

15:45 - 16:00 **M. Wiedmann**, Intracerebral Haemorrhage

16:00 - 16:30 **R. Kirollos**, Surgical Management of Intra-cranial Cysts

16:30 - 17:30 **Endovascular and Interventional Neuroradiology - Station**

T. Krings (Toronto, Canada)

N. Alshafai, Course Director

17:30 Participants will divide into three small groups
60 Minutes Each Station Small Groups | Four Cases in Each Station
Round Table Discussions of Clinical Case Scenarios (**Auditor: TBA**)
(Dinner will be Served at 19:00)

Station 1: Cerebrovascular

R. Kirollos (Singapore)

TBA

Station 2: Cerebrovascular

M. Wiedmann (Oslo, Norway)

TBA

Station 3: Deep Brain Lesions

M. Cusimano (Toronto, Canada)

TBA

20:30 **Adjourn**

21:00 - 24:00 **"Networking Reception"** Meet your colleagues and faculty from all-around the world in a relaxed atmosphere. **"Complimentary Event"**

Course Day FOUR

December 05, 2024, Thursday

Epilepsy Surgery Chapter

07:45 - 08:15 **T. Krings**, Imaging in Epilepsy

08:15 - 08:30 **J. Rossiter**, Pathology in Epilepsy

08:30 - 09:15 **M. Von Lehe**, Adult Drug Resistant Epilepsy: Evaluation and Management

09:15 - 09:30 **Coffee Break**

09:30 - 10:15 **Z. Tahir**, Pediatric Drug Resistant Epilepsy: Evaluation and Management

Pediatric Neurosurgery Chapter

10:15 - 11:00 **J. Rossiter**, Pediatric Specific Neuropathology

11:00 - 12:00 **S. Elbabaa**, The Surgical Management of Pediatric Brain-Tumors

12:00 - 13:00 **Lunch Break**

13:00 - 13:30 **P. Steinbok**, Spinal Dysraphism

13:30 - 14:00 **P. Steinbok**, Chiari-malformation

14:00 - 14:30 **Z. Tahir**, Pediatric Hydrocephalus

14:30 - 15:00 **P. Steinbok**, Cranio-facial Congenital Disorders

15:00 - 15:15 **Stretch Exercises**

15:15 - 16:00 **R. Kirolos**, Surgical Management of Ventricular Lesions (Open and Endoscopic)

16:00 - 16:05 **N. Alshafai**, Evaluation of Day 3

Miscellaneous Chapter

16:30 - 17:30 **Pediatrics Pathology-Radiology Correlation - Station**

J. Rossiter (Kingston, Canada)

O. Islam (Kingston, Canada)

N. Alshafai, Course Director

17:30

Participants will divide into three small groups

60 Minutes Each Station Small Groups | Four Cases in Each Station

Round Table Discussions of Clinical Case Scenarios (**Auditor: TBA**)

(Dinner will be Served at 19:00)

Station 1: Epilepsy (Pediatrics & Adults)

M. Von Lehe (Bochum, Germany)

Z. Tahir (London, UK)

Station 2: Pediatrics

P. Steinbok (Vancouver, BC)

TBA

Station 3: Neuro Endoscopy

S. Elbabaa (Orlando)

R. Kirolos (Singapore)

20:30

Adjourn

Course Day FIVE

December 06, 2024, Friday

Head Injury and Neuro Critical Care Chapter

- 07:30 - 08:00 **J. Rossiter**, Neuropathology in Head Injury
- 08:00 - 08:45 **G. Hawryluk**, The Management of Traumatic Brain Injury I
- 08:45 - 09:00 **N. Alshafai**, Exam Day 4
- 09:00 - 09:15 **Coffee Break**
- 09:15 - 10:00 **G. Hawryluk**, The Management of Traumatic Brain Injury II
- 10:00 - 11:00 **Brain Trauma - Station:**

G. Hawryluk (Cleveland, USA)
M. Cusimano (Toronto, Canada)
N. Alshafai (Course Director)

Functional & Pain Surgery Chapter

- 11:00 - 11:30 **C. Honey**, Neuro Anatomy for the Functional Neurosurgeons
- 11:30 - 12:00 **C. Honey**, Neurosurgical Treatment of Pain (Cranial)
- 12:00 - 13:00 **Lunch Break**
- 13:00 - 13:45 **C. Honey**, The Neurosurgical Treatment of Pain (Spinal)
- 13:45 - 14:00 **C. Honey - HOT SEAT**
- 14:00 - 14:45 **C. Honey**, Common Movement Disorders and their Neurosurgical Treatment
- 14:45 - 15:00 **C. Honey - HOT SEAT**
- 15:00 - 15:15 **Stretch Exercises**
- 15:15 - 16:00 **C. Honey**, The Parkinson's Patient and DBS
- 16:00 - 16:15 **C. Honey - HOT SEAT**

Miscellaneous Chapter

- 16:15 - 16:30 **TBA**, Approaches to CNS Infection
- 16:30 - 16:45 **M. Cusimano**, Adult-Onset Hydrocephalus
- 16:45 - 17:45 **TBA**, Neurology for the Neurosurgeons
- 17:45 - 18:30 **N. Alshafai**, Final Exam and Evaluation of Day 4 & 5
- 18:30 - 19:30 **N. Alshafai**, Feedback Distribution to all Participants for their Performance During the Week
- 19:30 - 20:00 **Break - "Dinner will be Served"**
- 20:00 - 21:00 *The CCN Review Challenge "Mandatory Attendance"*
- 21:00 **Adjourn, End of Course** - Certificates will be distributed
- 21:30 Open | End of the course party