

CCN

REVIEW

2020

COURSE

MASTER EVENT

PROGRAM

WEBINAR EDITION

02 Jan - 06 Jan 2021

Greenwich Mean Time Zone

Dec 30, Wednesday:

13:00 – 15:00 Registration Confirmation

Introduction to A.N.A. & the CCN 2020 Webinar User Review
Orientation

Testing all participant's connections and user ID's
The HOT SEAT "Demonstration"



January 2nd 2021, Saturday

Spine Surgery Chapter**Spine Biomechanics & Tumors**

07:00 – 07:10	N. Alshafai , Biomechanics of the Spine
07:10 – 07:20	P. Pereira J. Parthiban , Interactive Faculty Discussion
07:20 – 07:30	N. Alshafai , Voting MCQ
07:30 – 07:40	N. Alshafai , Spinal Column Tumors- A to Z part I
07:40 – 07:50	J. Parthiban P. Pereira - Interactive Faculty Discussion
07:50 – 08:00	N. Alshafai , Voting MCQ
08:00 – 08:10	P. Pereira , Spinal column tumors- A to Z part II
08:10 – 08:20	J. Parthiban P. Pereira - Interactive Faculty Discussion

08:30 – 08:40 **D. Van Dalen**, Stretch and Exercise Program

08:40 – 08:50 Questions & Answers with participants

08:50 – 09:00 Break (Clear your mind)

Spine Degenerative Disorders

09:00 – 09:10	J. Hurlbert , Reconstructing the spine I – When and How?
09:10 – 09:20	P. Pereira J. Parthiban - Interactive Faculty Discussion
09:30 – 09:40	J. Hurlbert , Reconstructing the spine II – When and How?
09:40 – 09:50	J. Parthiban P. Pereira - Interactive Faculty Discussion
09:50 – 10:00	N. Alshafai , Voting MCQ
10:00 – 10:10	J. Parthiban , Minimally Invasive Spine Surgery
10:10 – 10:20	J. Parthiban P. Pereira - Interactive Faculty Discussion

10:30 – 10:40 **D. Van Dalen**, Stretch and Exercise Program

10:40 – 10:50 Questions & Answers with participants

10:50 – 11:00 Break (Clear your mind)

Spine Trauma

11:00 – 11:10	J. Hurlbert , Spinal Column Trauma Classification and surgical management (Cervical)
11:10 – 11:20	M. Fehlings A. Levi - Interactive Faculty Discussion
11:30 – 11:40	J. Hurlbert , Spinal Column Trauma Classification and surgical management (Thoracolumbar)

January 2nd 2021, Saturday

Spine Trauma

11:40 – 11:50	M. Fehlings A. Levi - Interactive Faculty Discussion
12:00 – 12:10	J. Hurlbert , Spinal Cord Injury and Beyond
12:10 – 12:20	M. Fehlings A. Levi - Interactive Faculty Discussion
12:20 – 12:30	N. Alshafai , Voting MCQ

12:30 – 12:40 Questions & Answers with participants

12:40 – 13:30 Lunch Break

Peripheral Nerve Surgery Chapter

13:30 – 13:50 **R. Spinner**, Diagnosis and Surgical Management of
Peripheral Nerves (Brachial plexus)

13:50 – 14:00 **R. Spinner**, Voting MCQ

14:00 - 14:20 **R. Spinner**, Diagnosis and Surgical Management of
Peripheral Nerves (Upper extremities)

14:20 – 14:30 **R. Spinner**, Voting MCQ

14:30 – 14:50 **R. Spinner**, Diagnosis and Surgical Management of Peripheral
Nerves (Lumbosacral Plexus and Lower extremities)

14:50 – 15:00 **R. Spinner**, Voting MCQ

15:00 – 15:10 **D. Van Dalen**, Stretch and Exercise program

15:10 – 15:20 Questions & Answers with participants

15:20 – 15:30 Break (Clear your mind)

Desert Menu

15:30 - 15:50 **O. Islam**, Cervical Trauma Imaging

15:50 – 16:00 **N. Alshafai**, Evaluation of Spine & Peripheral Nerve Blocks

16:00 - 18:00 Participants will divide into two groups
(Will rotate attending 2 stations) Each station is 60 minutes long

Peripheral Nerve

R. Spinner (Rochester, USA)
N. Alshafai (Course Director)

Spine:

A. Levi (Miami, USA)
J. Hurlbert (Tucson, USA))

18:30

Adjourn

January 3rd 2021, Sunday

Neuro-oncology Chapter

Neuro Oncology I

07:00 – 07:10	N. Alshafai , Outline Review of Neuro-oncology & Skull-base Program
07:10 – 07:20	M. Sabel N. Alshafai - Brain Mapping Case Discussion
07:20 – 07:30	Gunness VRN , Voting MCQ
07:30 – 07:40	M. Sabel , Primary Intra-axial Brain Tumors
07:40 – 07:50	F. Signorelli M. Sabel - Interactive Faculty Discussion
07:50 – 08:00	Gunness VRN , Voting MCQ
08:00 – 08:10	M. Sabel , Secondary Intra-axial Brain Tumors
08:10 – 08:20	F. Signorelli M. Sabel - Interactive Faculty Discussion
08:20 – 08:30	Gunness VRN , Voting MCQ

08:30 – 08:40 **D. Van Dalen**, Stretch and Exercise Program

08:40 – 08:50 Questions & Answers with participants

08:50 – 09:00 Break (Clear your mind)

Neuro Oncology II

09:00 – 09:10	M. Sabel , Non-surgical Chemo-radiotherapy of Brain Tumors
09:10 – 09:20	T. Santarius M. Sabel - Interactive Faculty Discussion
09:20 – 09:30	Gunness VRN , Voting MCQ
09:30 – 09:40	B. Lippitz , Radio Surgery for Brain Tumors
09:40 – 09:50	B. Lippitz M. Sabel - Interactive Faculty Discussion
09:50 – 10:00	Gunness VRN , Voting MCQ
10:00 – 10:15	T. Krings , Brain Tumor Mimics
10:15 – 10:30	F. Signorelli T. Santarius - HOT SEAT SESSION

10:30 – 10:40 **D. Van Dalen**, Stretch and Exercise program

10:40 – 10:50 Questions & Answers with participants

10:50 – 11:00 Break (Clear your mind)

Skull Base Surgery Chapter

Skull Base I

11:00 – 11:10	M. Cusimano , Principles of Skull-base: Frontal Fossa
11:10 – 11:20	F. Signorelli T. Santarius - Interactive Faculty Discussion
11:20 – 11:30	W. Sunbul , Voting MCQ
11:30 – 11:40	M. Cusimano , Principles of Skull-base: Sellar and Para-Sellar
11:40 – 11:50	F. Signorelli T. Santarius - Interactive Faculty Discussion

January 3rd 2021, Sunday

Skull Base I

11:50 – 12:00	W. Sunbul , Voting MCQ
12:00 – 12:10	M. Cusimano , Principles of Skull-base: Middle Fossa
12:10 – 12:20	T. Santarius F. Signorelli - Interactive Faculty Discussion
12:20 – 12:30	W. Sunbul , Voting MCQ

12:30 – 12:40 Questions & Answers with participants

12:40 – 13:30 Lunch Break

Skull Base II

13:30 – 13:40	M. Cusimano , Principles of Skull-base: Posterior Fossa
13:40 – 13:50	F. Signorelli T. Santarius - Interactive Faculty Discussion
13:50 – 14:00	W. Sunbul , Voting MCQ
14:00 – 14:10	R. Kirollos , Principles of Skull-base: Intra-Ventricular Tumors
14:10 – 14:20	R. Kirollos T. Santarius - Interactive Faculty Discussion
14:20 – 14:30	W. Sunbul , Voting MCQ
14:30 – 14:40	F. Signorelli T. Santarius - Craniocervical Case Discussion
14:40 – 14:50	W. Sunbul , Voting MCQ

14:50 – 15:00 **D. Van Dalen**, Stretch and Exercise program

15:00 – 15:10 Questions & Answers with participants

15:10 – 15:20 Break (Clear your mind)

Desert Menu

15:20 – 15:40	J. Rossiter , Brain Tumor Pathology
15:40 - 16:10	W. Sunbul , Oncology & Skull-base Exam
16:20 - 18:20	Participants will divide into two groups (Will rotate attending 2 stations) Each station is 60 minutes long

Skull-base:

M. Cusimano (Toronto, Canada)
R. Kirollos (Singapore, Singapore)

Neuro Oncology

T. Santarius (Cambridge, UK)
F. Signorelli (Beri, Italy)

18:30

Adjourn

January 4th 2021, Monday

Cerebrovascular (Open & Endovascular) Chapter**Vascular Anatomy**

07:00 – 07:10	R. Kirolos, Surgical anatomy and physiology “The Arterial System”
07:10 – 07:20	M. Wiedmann R. Kirolos - Interactive Faculty Discussion
07:20 – 07:30	I. Nemeiko, Voting MCQ
07:30 – 07:40	T. Krings, Surgical anatomy and physiology “The Venous System”
07:40 – 07:50	M. Wiedmann R. Kirolos - Interactive Faculty Discussion
07:50 – 08:00	I. Nemeiko, Voting MCQ
08:00 – 08:10	M. Wiedmann, Vascular Bypass: When & How
08:10 – 08:20	M. Wiedmann R. Kirolos - Interactive Faculty Discussion
08:20 – 08:30	I. Nemeiko, Voting MCQ

08:30 – 08:40 D. Van Dalen, Stretch and Exercise Program

08:40 – 08:50 Questions & Answers with participants

08:50 – 09:00 Break (Clear your mind)

Aneurysms

09:00 – 09:10	T. Krings, Pearls in the Management of Aneurysms
09:10 – 09:20	R. Kirolos N. Etminan - Interactive Faculty Discussion
09:20 – 09:30	I. Nemeiko, Voting MCQ
09:30 – 09:40	N. Etminan, Pearls in the Management of Subarachnoid hemorrhage
09:40 – 09:50	R. Kirolos N. Etminan - Interactive Faculty Discussion
09:50 – 10:00	I. Nemeiko, Voting MCQ
10:00 – 10:10	R. Kirolos, Pearls in the Management of Aneurysmal complications
10:10 – 10:20	R. Kirolos N. Etminan - Interactive Faculty Discussion
10:20 – 10:30	I. Nemeiko, Voting MCQ

10:30 – 10:40 D. Van Dalen, Stretch and Exercise Program

10:40 – 10:50 Questions & Answers with participants

10:50 – 11:00 Break (Clear your mind)

Intra Cerebral Haemorrhage

11:00 – 11:10	O. Islam, Intra-cerebral Hemorrhage
11:10 – 11:20	O. Islam M. Wiedmann - Interactive Faculty Discussion
11:20 – 11:30	I. Nemeiko, Voting MCQ
11:30 – 11:40	R. Kirolos, Pearls of Brain Vascular Malformation, Surgical Management

January 4th 2021, Monday

Intra Cerebral Haemorrhage

11:40 – 11:50	T. Krings R. Kirolos - Interactive Faculty Discussion
11:50 – 12:00	I. Nemeiko, Voting MCQ
12:00 – 12:10	T. Krings, Pearls of brain vascular malformation, Endovascular management
12:10 – 12:20	T. Krings R. Kirolos - Interactive Faculty Discussion
12:20 – 12:30	I. Nemeiko, Voting MCQ

12:30 – 12:40 Questions & Answers with participants

12:40 – 13:30 Lunch Break

Stroke

13:30 – 13:40	F. AlSenani, Medical Management of Stroke
13:40 – 13:50	F. AlSenani T. Krings - Interactive Faculty Discussion
13:50 – 14:00	W. Sunbul, Voting MCQ
14:00 – 14:10	T. Krings, Interventional Management of Stroke
14:10 – 14:20	F. AlSenani T. Krings - Interactive Faculty Discussion
14:20 – 14:30	W. Sunbul, Voting MCQ
14:30 – 14:40	M. Wiedmann, Surgical Management of Stroke
14:40 – 14:50	M. Wiedmann F. AlSenani - Interactive Faculty Discussion
14:50 – 15:00	W. Sunbul, Voting MCQ

15:00 – 15:10 D. Van Dalen, Stretch and Exercise program

15:10 – 15:20 Questions & Answers with participants

15:20 – 15:30 Break (Clear your mind)

Desert Menu

15:30 – 15:40	R. Kirolos, Cavernous malformation
15:40 – 15:45	Questions & Answers with participants
15:45 – 16:00	N. Alshafai, Evaluation of Cerebrovascular & Endovascular Blocks
16:00 – 18:00	Participants will divide into two groups (Will rotate attending 2 stations) Each station is 60 minutes long

Cerebrovascular:

T. Krings (Toronto, Canada)
F. AlSenani (Riyadh, Saudi Arabia)

Cerebrovascular:

R. Kirolos (Singapore, Singapore)
N. Etminan (Heidelberg, Germany)

18:30

Adjourn

January 5th 2021, Tuesday

Pediatric Neurosurgery Chapter**Pediatric Congenital**

07:00 – 07:10	F. Di Rocco, Cranio-synostosis
07:10 – 07:20	F. Di Rocco R. Edwards - Interactive Faculty Discussion
07:20 – 07:30	R. Maduri, Voting MCQ
07:30 – 07:40	F. Di Rocco, The Management of Pediatric Encephalo-coele
07:40 – 07:50	F. Di Rocco R. Edwards - Interactive Faculty Discussion
07:50 – 08:00	R. Maduri, Voting MCQ
08:00 – 08:10	R. Edwards, Pediatric Hydrocephalus
08:10 – 08:20	R. Edwards N. Alshafai - Interactive Faculty Discussion
08:20 – 08:30	R. Maduri, Voting MCQ

08:30 – 08:40 D. Van Dalen, Stretch and Exercise Program

08:40 – 08:50 Questions & Answers with participants

08:50 – 09:00 Break (Clear your mind)

Chiari and Spinal Dysraphism

09:00 – 09:10	R. Edwards, Chiari-malformation
09:10 – 09:20	R. Edwards S. Elbabaa - Interactive Faculty Discussion
09:20 – 09:30	R. Maduri, Voting MCQ
09:30 – 09:40	S. Elbabaa, Spinal Dysraphism
09:40 – 09:50	F. Sala R. Edwards - Interactive Faculty Discussion
09:50 – 10:00	R. Maduri, Voting MCQ
10:00 – 10:10	S. Elbabaa, Fetal Neurosurgery
10:10 – 10:30	Z. Tahir R. Edwards - HOT SEAT SESSION

10:30 – 10:40 D. Van Dalen, Stretch and Exercise Program

10:40 – 10:50 Questions & Answers with participants

10:50 – 11:00 Break (Clear your mind)

Pediatric Tumors

11:00 – 11:15	J. Rossiter, Pediatric Specific Neuropathology
11:15 – 11:25	R. Edwards O. Islam, Interactive Faculty Discussion
11:25 – 11:35	O. Islam - Imaging of Pediatric Brain Tumors
11:35 – 11:45	F. Sala, Supra tentorial Pediatric Brain Tumors
11:45 – 11:55	R. Maduri, Voting MCQ

January 5th 2021, Tuesday

Pediatric Tumors

11:55 – 12:05	A. Tyagi, Pineal Region Tumors
12:05 – 12:25	F. Sala R. Edwards - HOT SEAT SESSION

12:25 – 12:40 Questions & Answers with participants

12:40 – 13:30 Lunch Break

Epilepsy Surgery Chapter

13:30 – 13:40	Z. Tahir, Drug Resistant Epilepsy: Evaluation
13:40 – 13:50	J. Schramm Z. Tahir - Interactive Faculty Discussion
13:50 – 14:00	I. Nemeiko, Voting MCQ
14:00 – 14:10	Z. Tahir, Drug Resistant Epilepsy: Surgical Management
14:10 – 14:20	J. Schramm Z. Tahir - Interactive Faculty Discussion
14:20 – 14:30	I. Nemeiko, Voting MCQ
14:30 – 14:40	T. Krings, Pathological and Radiological Correlation in Epilepsy
14:40 – 14:50	T. Krings Z. Tahir - Interactive Faculty Discussion
14:50 – 15:00	I. Nemeiko, Voting MCQ
15:00 – 15:10	Questions & Answers with participants

15:00 – 15:10 D. Van Dalen, Stretch and Exercise program

15:10 – 15:20 Questions & Answers with participants

15:20 – 15:30 Break (Clear your mind)

Desert Menu

15:30 – 15:40	R. Kirolos, Pearls in Cranial Endoscopic Surgery
15:40 – 15:45	Questions & Answers with participants
15:45 – 15:55	F. Sala, Neuromonitoring in Pediatric Brain Tumors
15:55 - 16:00	Questions & Answers with participants
16:00 - 18:00	Participants will divide into two groups (Will rotate attending 2 stations) Each station is 60 minutes long

Epilepsy Surgery:Z. Tahir (London, UK)
M. Wiedmann (Oslo, Norway)**Pediatrics:**S. Elbabaa (Orlando, USA)
F. Sala (Verona, Italy)

18:30

Adjourn

January 6th 2021, Wednesday

Functional & Pain Neurosurgery Chapter

07:00 – 07:30	N. Alshafai, Spine Exam
07:30 – 08:00	N. Alshafai, Neuro-oncology Exam
08:00 – 08:10	Break (Clear your mind)
08:10 - 08:30	K. Slavin, Introduction to Surgical Anatomy and Physiology for the Pain and Functional Neurosurgeon

08:40 – 08:50	D. Van Dalen, Stretch and Exercise Program
---------------	--

08:50 – 09:00	Break (Clear your mind)
---------------	-------------------------

Neurology for Neurosurgeons Chapter

09:00 – 09:20	F. Alsenani R. Kirollos - HOT SEAT
09:20 – 09:30	R. Maduri, Voting MCQ
09:30 – 09:40	F. Alsenani, CNS Infections and Inflammation
09:40 – 09:50	L. Alshafai - Radiology of CNS Infections and Inflammation
09:50 – 10:00	R. Maduri, Voting MCQ
10:00 – 10:10	M. Cusimano, Adult onset Hydrocephalus
10:10 – 10:20	F. Alsenani, - Pseudo Tumor Cerebri
10:20 – 10:30	R. Maduri, Voting MCQ

10:30 – 10:40	D. Van Dalen, Stretch and Exercise Program
---------------	--

10:40 – 10:50	Questions & Answers with participants
---------------	---------------------------------------

10:50 – 11:00	Break (Clear your mind)
---------------	-------------------------

11:00 – 11:10	N. Alshafai, Engaging video summarizing the CCN 2020 Webinar
---------------	--

11:10 – 11:20	CCN 2021
---------------	----------

11:20 - 12:20	N. Alshafai, CLOSED MEETING (Course Discussion)
---------------	---

12:20 - 12:30	Questions & Answers with participants
---------------	---------------------------------------

12:30 – 13:30	Lunch Break
---------------	-------------

January 6th 2021, Wednesday

Neuro-Trauma Chapter

13:30 – 13:40	G. Hawryluk - The management of traumatic brain injury
13:40 – 13:50	M. Cusimano G. Hawryluk - Interactive Faculty Discussion
13:50 – 14:00	Gunness VRN, Voting MCQ
14:00 – 14:10	G. Hawryluk, Up to date Guidelines in Head injury management
14:10 – 14:20	M. Cusimano G. Hawryluk - Interactive Faculty Discussion
14:20 – 14:30	Gunness VRN, Voting MCQ
14:30 – 14:40	G. Hawryluk, Pearls in the management of neuro-critical patients
14:40 – 14:50	O. Islam, Neuro-radiology (Case Review)
14:50 – 15:00	G. Hawryluk, Concussion

15:00 – 15:10	D. Van Dalen, Stretch and Exercise program
---------------	--

15:10 – 15:20	Questions & Answers with participants
---------------	---------------------------------------

15:20 – 15:30	Break (Clear your mind)
---------------	-------------------------

15:30 – 15:40	G. Hawryluk N. Alshafai - HOT SEAT
---------------	---

15:40 – 16:00	N. Alshafai, Skull Base Exam
---------------	------------------------------

16:00 - 17:00	N. Alshafai, Cerebrovascular Exam
---------------	-----------------------------------

17:00 - 18:00	K. Slavin, Principles of Functional Neurosurgery and Pain
---------------	---

18:00	Adjourn
-------	---------