24th Annual Scandinavian Course in Neurosurgery 2021
Virtual Course in Intracranial and Intraspinal Tumors
22nd -26th March 2021

Monday 22nd March 2021		
	Duration	
08:00	15 min	Introduction
08:15	45 min	**Examination**
09:00	10 min	Break
09:10	30 min	Visualization of CNS tumors
09:40	10 min	Introduction to case discussion
09:50	10 min	Break
10:00	45 min	Case discussions in small groups
10:45	15 min	Break
11:00	45 min	Case discussions in small groups
11:45	45 min	Lunch
12:30	20 min	Preoperative functional brain mapping/ Intraoperative monitoring, navigation and imaging
12:50	20 min	Radiosurgery- radiotherapy of intracranial tumors
13:10	10 min	Break
13:20	20 min	**Anatomy exam**
13:40	5 min	Break
13:45	45 min	Case discussions in small groups
14:30	15 min	Break
14:45	45 min	Case discussions in small groups
15:30	5 min	Break
15:35	20 min	Quality of life, performance and morbidity in CNS tumors
15:55	10 min	Inherited CNS tumor traits (NF1, NF2, VHL & TSC)
16:05	25 min	Neuropathological classification of tumors, Andreas von Deimling, Heidelberg
16:30	5 min	Evaluation

Tuesday 23rd March		
	Duration	**Subject :**
08:00	30 min	HGG
08:30	30 min	LGG
09:00	10 min	Break
09:10	20 min	Brain metastases
09:30	10 min	CNS lymphomas
09:40	5 min	Break
09:45	55 min	Case discussions in small groups
10:40	5 min	Coffee break
10:45	55 min	Case discussions in small groups
11:40	35	Lunch
12:15	30 min	Meningiomas
12:45	15 min	Bone/calvarial/orbital tumors
13:00	10 min	Multidisciplinary team meetings in neuro-oncology
13:10	5 min	Break
13:15	55 min	Case discussions in small groups
14:10	5 min	Break
14:15	55 min	Case discussions in small groups
15:10	5 min	Break
15:15	45min	The use of biomarkers in neuro-oncology, Andreas Von Deimling, Heidelberg
16:00	5 min	Evaluation

Wednesday 24th March		
	Duration	**Subject**
08:00	20 min	Sella region tumor (Pituitary/Suprasellar workup and endocrine dysfunction/craniopharyngioma)
08:20	20 min	Primary spinal tumors
08:40	5 min	Break
08:45	20 min	Spinal metastases
09:05	20 min	Circumscribed low grade gliomas (GG, DNET, neurocytoma)
09:25	5 min	Break
09:30	55 min	Case discussions in small groups
10:25	5 min	Break
10:30	55 min	Case discussions in small groups
11:25	35 min	Lunch
12:00	55 min	Case discussions in small groups
12:55	5 min	Break
13:00	55 min	Case discussions in small groups
13:55	5 min	Break
14:00	55 min	Case discussions in small groups
14:55	5 min	Break
15:00	15 min	Tumors of the CP-angle
15:15	15 min	Tumors of the pineal region/ intraventricular tumors
15:30	15 min	Break
15:45	45 min	Put away your microscopes: The ependymoma molecular era has begun *Michael Taylor. Sick Kids Hospital, Toronto*
16:30	5 min	Evaluation

Thursday 25th March		
	Duration	**Subject:**
08:00	50 min	Radiation and medical neuro-oncology
08:50	5 min	Break
09:00	20 min	Pediatric malignant tumors
09:20	20 min	Pediatric benign (less-malignant) tumors
09:40	15 min	Novel therapeutic options in neuro-oncology – TTF, immune therapy
09:55	5 min	Break
10:00	55 min	Case discussions in small groups
10:55	5 min	Break
11:00	55 min	Case discussions in small groups
11:55	35 min	Lunch
12:30	55 min	Case discussions in small groups
13:25	5 min	Break
13:30	45 min	**Viking lecture:** **The changing role of the neurosurgeon in the management of pediatric posterior fossa tumors, *Michael Taylor, Sick Kids Hospital, Toronto***
14:15	15 min	Break
14:30	45 min	**Classification of pediatric posterior fossa tumors in the molecular era** ***Michael Taylor, Sick Kids Hospital, Toronto***
15:15	5 min	Evaluation

Friday 26th March				
	Duration	**Subject: Practical problems**	Lecturer	Moderator
08:00	15 min	How I do it: Pterional craniotomy/ sphenoid wing		
08:15	15 min	How I do it: Retrosigmoid approach		
08:30	15 min	How I do it: Insular glioma		
08:45	15 min	Coffee break		
09:00	15 min	How I do it: Metastatic spine disease		
09:15	15 min	How I do it: Brainstem tumors		
09:30	15 min	How I do it: Intramedullary spine tumors		
09:45	15 min	How I do it: Pediatric posterior fossa		
10:00	5 min	Evaluation		
10:05	??	Conclusions and remarks / lecture		

Annual Scandinavian Course in Neurosurgery

Topics to be covered in the case-discussions

Group topic	Lecturer
Diffuse low-grade glioma surgery in eloquent areas - Preoperative and intraoperative brain mapping. Subcortical anatomy.	
Sellar tumours - various techniques, pros and cons. Indications for surgery.	
Neuropathological considerations and treatment strategy in gliomas. Surgical approaches, role of extent of resection, neuronavigation and per/postoperative imaging. Re-operation?	
Monitoring in brain tumor surgery	
Surgical approaches to infratentorial extra-axial tumors.	
Treatment strategies for spinal metastases/ surgical approaches to tumors of spinal columna - stabilization or not?	
Surgery vs. SRS? Meningiomas, metastases, pituitary adenomas and recurrent high-grade gliomas.	
Special considerations in symptom evaluation and complications in pediatric neuro-oncology	
Surgical treatment of pediatric brain tumors	
WHO grade I gliomas, treatment strategy	
Schwannoma and CP–angle tumors, surgery vs SRS vs conservative treatment.	
4:th ventricle tumors, brainstem tumors and ventricular tumors-techniques to avoid peduncular/brainstem morbidity	
High grade gliomas, extent of resection-treatment strategy, differential diagnosis	
Brain metastases	
Surgical approaches to supratentorial extra-axial tumors. Incidentalomas. Orbital tumors.	
Surgical approaches to intra-spinal tumors, dorsal vs. lateral, monitoring	