



24th Annual Scandinavian Course in Neurosurgery 2020 Intracranial and Intraspinal Tumors

Radisson Blu Resort, Beitostølen, Norway
20th September – 25th September 2020

Sunday 20 th September 2020				
18:00		Registration and Dinner (open until 22.00)		
Monday 21 st September 2020				
	Duration		Lecturer	Moderator
07:00		Breakfast		
07:30	10 min	Introduction		
07:40	45 min	Examination	Jens Christian H. Sørensen, Aarhus/ Pål Rønning, Oslo	Einar O. Vik-Mo
08:25	30 min	Visualization of CNS tumors	Jens Christian H. Sørensen, Aarhus	
08:55	10 min	Introduction to case discussion / coffee break	Mats Ryttefors, Uppsala	
09:05	55 min	Case discussions in small groups		
10:00	5 min	Break		
10:05	55 min	Case discussions in small groups		
11:00		Time for social activities		
15:00		Lunch		
16:00	20 min	Preoperative functional brain mapping/ Intraoperative monitoring, navigation and imaging	Frantz R. Poulsen, Odense	
16:20	20 min	Radiosurgery- radiotherapy of intracranial tumors	Øystein Tveiten, Bergen	
16:40	20 min	Anatomy exam	Pål Rønning/ Einar O. Vik-Mo	
17:00	10 min	Coffee break		
17:10	55 min	Case discussions in small groups		
18:05	5 min	Coffee break		
18:10	50 min	Case discussions in small groups		
19:00	5 min	Coffee break		
19:05	20 min	Quality of life, performance and morbidity in CNS tumors	Ole Solheim, Trondheim	Einar O. Vik-Mo
19:25	10 min	Inherited CNS tumor traits (NF1, NF2, VHL & TSC)	TBA	
19:35	25 min	Neuropathological classification of tumors	Andreas von Deimling, Heidelberg	
20:05	5 min	Evaluation		
20:10		Dinner		
Tuesday 22 nd September 2020				
	Duration	Subject :		Moderator
07:00		Breakfast		
07:30	30 min	HGG	Einar O. Vik-Mo	Pål Rønning
08:00	30 min	LGG	Asgeir Jakola, Sahlgrenska	
08:30	20 min	Brain metastases	Terje Sundstrøm, Bergen	
08:50	10 min	CNS lymphomas	Henrietta Nittby, Lund	
09:00	5 min	Break		
09:05	55 min	Case discussions in small groups		
10:00	5 min	Coffee break		
10:05	55 min	Case discussions in small groups		
11:00		Time for social activities		
15:00		Lunch		
16:00	30 min	Meningiomas	Gøran Hesselager, Uppsala	Jens Christian H. Sørensen
16:30	15 min	Bone/calvarial/orbital tumors	Mats Ryttefors, Uppsala	
16:45	10 min	Multidisciplinary team meetings in neuro-oncology	Margret Jensdottir, Karolinska	
16:55	5 min	Break		
17:00	55 min	Case discussions in small groups		
17:55	5 min	Break		

18:00	55 min	Case discussions in small groups		
18:55	5 min	Evaluation		
19:00	45min	Specially invited lecturer: The use of biomarkers in neuro-oncology	Andreas Von Deimling, Heidelberg	Terje Sundstrøm; Bergen
20:00		Dinner		
Wednesday 23rd September 2020				
	Duration	Subject		Moderator
07:00		Breakfast		
07:30	20 min	Sella region tumor (Pituitary/Suprasellar workup and endocrine dysfunction/craniopharyngioma)	Atte Karppinen, Helsinki	Niklas Marklund, Lund
07:50	20 min	Primary spinal tumors	Niklas Marklund, Lund	
08:10	5 min	Break		
08:15	20 min	Spinal metastases	Carsten Bjarkam, Aalborg	
08:35	20 min	Circumscribed low grade gliomas (GG, DNET, neurocytoma)	Pål Rønning, Oslo	
08:55	5 min	Break		
09:05	55 min	Case discussions in small groups		
10:00	5 min	Break		
10:05	55 min	Case discussions in small groups		
11:00		Time for social activity		
15:00	1 h	Lunch		
16:00	55 min	Case discussions in small groups		
16:55	5 min	Break		
17:00	55 min	Case discussions in small groups		
17:55	5 min	Break		
18:00	55 min	Case discussions in small groups		
18:55	5 min	Break		
19:00	15 min	Tumors of the CP-angle	Morten Lund-Johansen, Bergen	Marianne Juhler, Copenhagen
19:15	15 min	Tumors of the pineal region/ intraventricular tumors	Roar Kloster, Tromsø	
19:30	5 min	Evaluation		
19:35	45 min	Put away your microscopes: The ependymoma molecular era has begun	Michael Taylor Sick Kids Hospital, Toronto	
20:20		Research presentations		
21:15		Dinner		
Thursday 24th September 2020				
	Duration	Subject:		Moderator
07:00		Breakfast		
07:30	30 min	General neuro-oncology	Petter Brandal, Oslo	Timo Koivisto, Kuopio
08:00	20 min	Pediatric malignant tumors	Marianne Juhler, Copenhagen	
08:20	5 min	Break		
08:25	20 min	Pediatric benign (less-malignant) tumors	Bernt Due-Tønnesen, Oslo	
08:45	15 min	Novel therapeutic options in neuro-oncology – TTF, immune therapy	Joonas Haapasalo, Tampere/Toronto	
09:00	5 min	Coffee break		
09:05	55 min	Case discussions in small groups		
10:00	5 min	Coffee break		
10:05	55 min	Case discussions in small groups		
11:00		Time for social activities		
15:00	1 h	Lunch		
16:00	55 min	Case discussions in small groups		
16:55	10 min	Coffee break		
17:05	5 min	Evaluation		
17:10	45 min	Viking lecture: The changing role of the neurosurgeon in the management of pediatric posterior fossa tumors	Michael Taylor Sick Kids Hospital, Toronto	Mats Ryttefors, Uppsala

18:05	45 min	Classification of pediatric posterior fossa tumors in the molecular era	<i>Michael Taylor</i>	
19:30		Aperitif for lecturers		
19:30		Aperitif for participants. Election of best lecturer.		
20:00		Banquet. Prizes to best students and lecturer		

Friday 25th September 2020

	Duration	Subject: Practical problems	Lecturer	Moderator
08:00		Breakfast		
08:30	10 min	How I do it: Pterional craniotomy/ sphenoid wing	Timo Koivisto, Kuopio	Pål Rønning, Oslo
08:40	10 min	How I do it: Retrosigmoid approach	Arto Immonen, Kuopio	
08:50	10 min	How I do it: Insular glioma	Mats Ryttefors, Uppsala	
09:00	15 min	Coffee break		
09:15	10 min	How I do it: Metastatic spine disease	Carsten Bjarkam, Aalborg	
09:25	10 min	How I do it: Brainstem tumors	Jon Ramm-Pettersen, Oslo	
09:35	10 min	How I do it: Intramedullary spine tumors	Frode Kolstad, Oslo	
09:45	10 min	How I do it: Pediatric posterior fossa	Magnus Tisell, Sahlgrenska	
09:55	5 min	Evaluation		
10:00		Conclusions and remarks		



Topics to be covered in the case-discussions

Group topic	Lecturer	Days
Diffuse low-grade glioma surgery in eloquent areas - Preoperative and intraoperative brain mapping. Subcortical anatomy.	Asgeir Jakola / Henrietta Nittby (Tuesday)	Monday-Tuesday
Sellar tumours - various techniques, pros and cons. Indications for surgery.	Frantz R. Poulsen/Ole Solheim	Monday-Tuesday
Neuropathological considerations and treatment strategy in gliomas. Surgical approaches, role of extent of resection, neuronavigation and per/postoperative imaging. Re-operation?	Einar O. Vik-Mo/ Andreas von Deimling	Monday-Tuesday
Monitoring in brain tumor surgery	Pål Rønning	Monday-Tuesday
Surgical approaches to infratentorial extra-axial tumors.	Mats Ryttefors / Anna Piippo-Karjalainen	Monday-Tuesday
Treatment strategies for spinal metastases/ surgical approaches to tumors of spinal column - stabilization or not?	Carsten Bjarkam / Niklas Marklund	Monday-Tuesday
Surgery vs. SRS? Meningeomas, metastases, pituitary adenomas and recurrent high grade gliomas.	Øystein Tveiten/ Margret Jensdottir	Monday-Tuesday
Special considerations in symptom evaluation and complications in pediatric neurooncology	Marianne Juhler/	Monday-Tuesday
WHO grade I gliomas, treatment strategy	Jens Christian H. Sørensen / Johanna Kuhmonen	Wednesday-Thursday
Schwannoma and CP-angle tumors, surgery vs SRS vs conservative treatment.	Morten Lund-Johansen/Göran Hesselager	Wednesday-Thursday
4:th ventricle tumors, brainstem tumors and ventricular tumors-techniques to avoid peduncular/brainstem morbidity	Atte Karppinen/ Jon Ramm-Pettersen	Wednesday-Thursday
High grade gliomas, extent of resection-treatment strategy, differential diagnosis	Magnus Tisell / Joonas Haapasalo	Wednesday-Thursday
Brain metastases	Terje Sundstrøm / Henrietta Nittby	Wednesday-Thursday
Surgical approaches to supratentorial extra-axial tumors. Incidentalomas. Orbital tumors.	Timo Koivisto/ Roar Kloster	Wednesday-Thursday
Surgical approaches to intra-spinal tumors, dorsal vs. lateral, monitoring	Arto Immonen / Frode Kolstad	Wednesday-Thursday
Surgical treatment of pediatric brain tumors	Bernt Due-Tønnesen/ Michael Taylor/ Petter Brandal	Wednesday-Thursday