



Scandinavian Course in Neurosurgery 2018
General and Functional Neurosurgery

Radisson Blu Resort, Beitostølen, Norway
18th March – 23rd March 2018



Sunday 18 th March 2018				
18:00		Registration and Dinner (open until 22.00)		
Monday 19 th March 2018				
	Duration	Subject: Basic principles	Lecturer	Moderator
07:00		Breakfast		
07:30	5 min	Introduction		
07:35	45 min	Examination		
08:20	20 min	Functional localisation and semiology		
08:40	20 min	Principles of stereotactic neurosurgery		
09:00	10 min	Introduction to case discussion / coffee break		
09:10	50 min	Case discussions in small groups		
10:00	5 min	Break		
10:05	50 min	Case discussions in small groups		
11:00		Time for social activities		
15:00		Lunch		
16:00	20 min	Basic MR physics		
16:20	20 min	MR findings in infections and infarctions		
16:40	20 min	Anatomy exam		
17:00	15 min	Coffee break		
17:15	50 min	Case discussions in small groups		
18:05	5 min	Coffee break		
18:10	50 min	Case discussions in small groups		
19:00	20 min	Treatment of pain – the basics/ pragmatical approach		
19:20	20 min	Surgical treatment option for pain		
19:40	20 min	Neurovascular compression syndromes		
20:00		Dinner		
Tuesday 20 th March 2018				
	Duration	Subject		Moderator
07:00		Breakfast		
07:30	30 min	Patient selection and preoperative evaluation for epilepsy surgery		
08:00	20 min	Basic EEG and evaluation with intracranial electrodes		
08:30	20 min	Coffee break		
08:50	20 min	Temporal lobe epilepsy surgery		
09:10	50 min	Case discussions in small groups		
10:00	10 min	Coffee break		
10:10	50 min	Case discussions in small groups		
11:00		Time for social activities		
15:00		Lunch		
16:00	20 min	Extratemporal epilepsy surgery/ hemispherectomy		
16:20	20 min	Treatment of spasticity		
16:40	20 min	Pathophysiology of pain		
17:00	5 min	Break		
17:15	50 min	Case discussions in small groups		
18:05	5 min	Break		
18:10	50 min	Case discussions in small groups		
19:00	45min	Handling complications		
20:00		Dinner		

Wednesday 21 st March 2018				
	Duration	Subject		Moderator
07:00		Breakfast		
07:30	30 min	Basic knowledge in movement disorders (Neurology and anatomy)		
08:00	20 min	DBS for movement disorders		
08:20	20 min	The history of DBS		
08:40	15 min	Human-machine interface		
08:55	15 min	Emerging molecular and biological therapies		
09:10	55 min	Case discussions in small groups		
10:05	5 min	Break		
10:10	50 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	Antithrombotic treatment and its reversal		
19:15	15 min	General antibiotic treatment		
19:30	30 min	Research presentations		
20:00		Dinner		
Thursday 22 nd March 2018				
	Duration	Subject: Hydrocephalus		Moderator
07:00		Breakfast		
07:40	20min	CSF dynamics and pathophysiology of hydrocephalus		
08:00	15 min	Surgical treatment of hydrocephalus (shunt/endoscopic)		
08:15	15 min	Physics and technology of shunt systems		
08:20	20 min	Secondary Hydrocephalus		
08:40	20min	Normal pressure hydrocephalus and other dementias		
09:00	55 min	Case discussions in small groups		
09:55	5 min	Coffee break		
10:00	60 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	15 min	Coffee break		
17:10	45 min	Viking lecture: "Current and emerging indications of deep brain stimulation"		
18:05	45 min	Advances in Functional Neurosurgery		
19:30		Aperitif for lecturers		
19:30		Aperitif for participants. Election of best lecturer.		
20:00		Banquet. Prizes to best students and lecturer		

Friday 23 rd March 2018				
	Duration	Subject: Pediatric neurosurgery	Lecturer	Moderator
08:00		Breakfast		
08:00	20 min	Craniofacial/craniosynostosis		
08:20	20 min	Evaluation of pediatric hydrocephalus		
08:40	10 min	Coffee break		
		Pro-Con discussions		
08:50	5 min	Case introduction: Treatment of arachnoidal cysts		
	10 min	Conservative		
	10 min	Surgery		
	5 min	Discussion		
09:20	5 min	Case introduction: The Chiari patient		
	10 min	Surgery		
	10 min	Conservative treatment		
	5 min	Discussion		
09:50	1 h	Lunch		
		Departure to Gardermoen		