

First Bern Expert Meeting on Spontaneous Intracranial Hypotension & CSF circulation disorders

Day 1 – Thursday, May 5th 2016

14:00	Welcome	Andreas Raabe, Jürgen Beck
14:15-14:55	Spontaneous intracranial hypotension – how we arrived at the disease	Wouter Schievink (30+10min)
14:55-15:35	The spectrum of the disease, chronic forms and long term recurrence	Caroline Roos (30+10min)
15:35-16:15	Differential diagnosis and current treatment	Anne Ducros (30+10min)
16:15-16:30	Break	
Bern Results		
16:30-16:50	CSF leaks and chronic subdural hematomas	Christian Ulrich (15+5min)
16:50-17:10	Optic nerve sheath diameter (ONSD) in SIH	Jens Fichtner (15+5min)
17:10-17:40	Computerized lumbar infusion testing in SIH	Jürgen Beck (20+10)
17:40-18:10	The nature of the dural leak: vertical slits, microspurs and diverticulae	Jürgen Beck (20+10min)
19:00	Dinner at the hotel	



Day 2 – Friday, May 6th 2016

Diagnosis		
09:00-09:20	Diagnostic workup – Bern protocol	Christian Fung (15+5min)
09:20-09:35	Imaging protocol / dynamic myelography	Frauke Pult (10+5min)
09:35-09:55	Diagnostic workup – LA protocol	Wouter Schievink (15+5min)
Pathophysiology		
09:55-10:10	Physiology of the human cerebrospinal fluid system	Martin Schuhmann (10+5min)
10:10-10:40	Assessment of CSF dynamics	Marek Czosnyka (20+10min)
10:40-10:55	Dynamic ONSD sonography in the aging	Felix Schlachetzki (10+5min)
10:55-11:15	Lumbar infusion test, csf-pressure and optic nerve sheath	Hans-Christian Hansen (15+5min)
11:15-11:30	Break	
11:30-11:45	Anatomical basis of CSF resorption	Bojan Stimec (10+5min)
11:45-12:00	Ultrasound in patients after decompressive craniectomy – ONSD and other techniques	Felix Schlachetzki (10+5min)
12:00-12:25	New developments in cerebral CSF circulation - Does the brain have a lymphatic system?	Nikolaus Plesnila (15+10min)
12:25-13:30	Lunch	
13:30-14:00	Ultrasound Workshop for ONSD Measurement – Hands on	Felix Schlachetzki Jens Fichtner
Therapy		
14:00-14:15	Epidural blood patching - background	Marcel Arnold (10+5min)
14:15-14:30	Epidural blood patching – how I do it	Frauke Pult (10+5min)
14:30-14:45	Surgical approaches for SIH	Christian Ulrich (10+5min)
14:45-15:00	Rescue therapy (dural reduction, portable infusion)	Wouter Schievink (10+5min)
15:00-15:30	Discussion and round table	
15:30-15:45	Break	

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15:45-16:15	Is there of a common diagnostic and treatment algorithm?	Andreas Raabe
16:15-16:30	Database for SIH	Christian Fung (10+5min)
16:30-17:45	Additional time for discussion/Roadmap for research?	
18:15-23:00	Evening program: Castle Spiez Hotel 18:00 Coach arrival 18:15 Coach departure Castle Spiez 19:00 Guided Tour 20:00 Dinner 22:30 Coach arrival 22:45 Coach departure	



Day 3 – Saturday, May 7th 2016

09:00-09:20	Phantom model of the craniospinal hydrodynamics for the experimental evaluation of NPH	Anne Holterhoff (15+5min)
09:20-09:40	Model based analysis of vascular alterations with respect to the changed CSF dynamics in NPH	Christine Goffin (15+5min)
09:40-09:55	ONSD in patients with NPH	Felix Schlachetzki (10+5min)
09:55-10:10	ONSD and hydrocephalus in children	Martin Schuhmann (10+5min)
10:10-10:30	Break	
10:30-10:50	Ultrasound for shunt control (shunt-ONSD protocol)	Jens Fichtner (10+10min)
10:50-11:15	Bedside detection of vasospasm after subarachnoid hemorrhage: contrast enhanced ultrasound perfusion imaging	Raluca Reitmeir (15+10min)



Experts

Bern

Department of Neurosurgery:

Andreas Raabe

Jürgen Beck

Christian Fung

Christian Ulrich

Jens Fichtner

Philippe Schucht

Michael Fiechter

Michael Murek

David Bervini

Raluca Reitmeier

Jitendra Thakur (visiting doctor)

Department of Neurology:

Marcel Arnold

Nick Meier

Marie - Luise Mono

Christoph Schankin

Department of Neuroradiology:

Eike Piechowiak

Frauke Pult

Geneva

Groupe de Recherche en Anatomie Clinique:

Bojan Stimec

Department of Neurology:

Fabienne Perren

Department of Neurosurgery:

Shahan Momjian

Los Angeles

Department of Neurosurgery:

Wouter Schievink

Regensburg

Department of Neurology:

Felix Schlachetzki

Tübingen

Department of Neurosurgery:

Martin Schuhmann



Montpellier

Department of Neurology:
Anne Ducros

Paris

Department of Neurology:
Caroline Roos

Munich

Institute for Stroke and Dementia Research:
Nikolaus Plesnila

Aachen

Department of Biomedical Engineering:
Anne Holterhoff
Christine Goffin

Hamburg

Department of Neurology:
Hans - Christian Hansen

Cambridge

Department of Clinical Neuroscience:
Marek Czosnyka