



14th SYMPOSIUM OF THE INTERNATIONAL HYDROCEPHALUS IMAGING WORKING GROUP
www.IHIWG.org

Held in Conjunction with the Hydrocephalus Society

Kobe, Japan, September 26, 2017

Organized by: Harold Rekate, Bryn Martin, Vartan Kurtcuoglu, Ari Blitz and William Bradley



08:00 – 13:00

Session 1	Chiari malformation	<i>Session Chair: Frank Mihlon</i>
8:00	Harold Rekate	Introduction, and methodology, definition of stakeholders
8:20	Frank Mihlon	Historical review of Chiari definition and the diagnostic dilemmas
8:40	Paolo Bolognese	Reclassification of Chiari malformation
9:00	Sarel Vorster	Neurosurgeon as a stakeholder
9:20	Bryn Martin	Biophysics of Chiari malformation
9:40	Harold Rekate	The forgotten stakeholders: a progressively better educated consumer
10:00	<i>Coffee Break</i>	<i>General Discussion and going forward</i>

Session 2	CSF flow and solute transport	<i>Session Chair: Ari Blitz</i>
10:30	Steven Proulx	CSF efflux, drainage and outflow
11:00	Marijan Klarica	CSF movement and its correlation with substances behavior in CSF and interstitial fluid
11:30	Vartan Kurtcuoglu	Immunoglobulin and solute transport in spinal CSF
12:00	Karl Erik Holter	Numerical investigation of brain extracellular space permeability
	<i>Lunch</i>	--

13:00 – 17:00

Session 3	Pulsation	<i>Session Chair: Vartan Kurtcuoglu</i>
13:00	Mitsunori Matsumae	CSF motion and pulsation in the ventricular system and subarachnoid space assessed by MR study
13:30	Grant Bateman	Venous sinus collapse in hydrocephalus
14:00	Vegard Vinje	Brain elastic response to pressure forces measured in vivo
14:30	Zofia Czosnyka	Pulse amplitude of ICP- monitoring, interpretation and difficulties
15:00	<i>Coffee Break</i>	--

Session 4	Hydrocephalus and the growing brain	<i>Session Chair: Bryn Martin</i>
15:30	Grant Bateman	Childhood hydrocephalus and slit ventricle syndrome
16:00	Harold Rekate	Origin of slit ventricle syndrome and its management
16:30	Open discussion	Closing Remarks, invitation to IHIWG 2018, Vancouver, BC