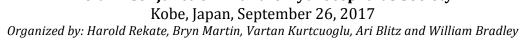


## 14<sup>th</sup> Symposium of the International Hydrocephalus Imaging Working Group www.IHIWG.org Held in Conjunction with the Hydrocephalus Society





- 00:80	13:00
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Session 1	Chiari malformation	Session Chair: Frank Mihlon
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	Coffee Break	General Discussion and going forward
Session 2	CSF flow and solute transport	Session Chair: Ari Blitz
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
	Lunch	
13:00 - 17:0	00	
Session 3	Pulsation	Session Chair: Vartan Kurtcuoglu
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	Is respiration the major regulator of cervical CSF flow?
14:30	Zofia Czosnyka	Pulse amplitude of ICP- monitoring, interpretation and difficulties
15:00	Coffee Break	
Session 4	Hydrocephalus and the growing brain	Session Chair: Bryn Martin
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