

21st SYMPOSIUM OF THE INTERNATIONAL HYDROCEPHALUS IMAGING WORKING GROUP

www.IHIWG.org

Held in Conjunction with the Hydrocephalus Society Meeting

Thursday, May 26, Online

Organized by: Hal Rekate, Vartan Kurtcuoglu, Ari Blitz, Mark Luciano, Pat McAllister and Bryn Martin



Special Session: International Hydrocephalus Imaging Working Group (www.IHIWG.org)

Session Date: 5/26/2021

Session Time (CDT/UTC-5): 12:00-1:30 pm

Advances in understanding of CSF subarachnoid space anatomy: application to CNS disease diagnostics and drug delivery

Moderators			Ari Blitz, MD
			Daniel Boulter, MD
			Bryn A. Martin, PhD
9:00 AM	9:20 AM	High Resolution MRI Anatomy of the Intracranial and Spinal SAS	Ari Blitz, MD
9:20 AM	9:40 AM	Methods for MRI visualization of CSF flow and solute transport	Geir Ringstad, MD, PhD
9:40 AM	10:00 AM	Computational and in vitro modeling of CSF drug delivery and filtration	Bryn Martin, PhD
10:00 AM	10:20 AM	Experimental Methods to Test CSF Solute Transport	Pat McAllister, PhD
10:20 AM	10:40 AM	N/A	Discussion

Magnetic resonance elastography applications to hydrocephalus and beyond

Session Date: 5/26/2021

Session Time (CDT/UTC-5): 2:45-4:15 pm

Moderators			Ari Blitz, MD
			Hal Rekate, MD
			Pat McAllister, PhD
10:45 AM	11:05 AM	Keynote: MR elastography - applications and future	Philip Bayly, MD
11:05 AM	11:25 AM	Cellular correlates of brain stiffness measured by MRE	Lynne Bilston, PhD
11:25 AM	11:45 AM	MRE in pediatric hydrocephalus	Mark Wagshul, PhD
11:45 AM	12:05 PM	MRE in NPH: Differentiating Normal Pressure Hydrocephalus from Alzheimer's Disease	John Huston, MD
12:05 PM	12:15 PM	N/A	Discussion