

Session 1: MRI as a Powerful Tool for Neurophysiology

Wednesday, May 22, 2019 2:55 pm - 4:25 pm

Moderator: P. McAllister, M. Wagshul

15-minutes each talk

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| 1.1 | S. Pahlavian | In vivo quantification of cardiac-driven brain tissue strain |
| 1.2 | I. Sack | MR Elastography state of the art |
| 1.3 | G. Bateman | Brain hyperemia in abnormalities of ICP and CSF |
| 1.4 | R. Bhadelia | CSF flow in Chiari I malformations |
| 1.5 | M. Wagshul | MR elastography in children |

Session 2: Intracranial Hypotension: Diagnosis and Management

Thursday, May 23, 2019 9:30 am - 10:30 am

Moderators: J. Holsapple, A. Blitz

12-minutes each talk

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| 2.1 | Thomas Heldt | Fluid-Structure interaction in the cerebral venous circulation |
| 2.2 | A. Blitz | High resolution 3D skull base MRI for detection of CSF leakage from the cranium |
| 2.3 | L. Gray Leithe | Percutaneous diagnostic and therapeutic measures for CSF leakage from the spinal canal |
| 2.4 | M. Khan | Imaging algorithm for the diagnosis and treatment of intracranial hypotension |

Session 3: Hydrocephalus in Children and Adults

Thursday, May 23, 2019 10:45 am - 12:15 pm

Moderators: H. Rekate, A. Filippidis

15-minutes each talk

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| 3.1 | B. Warf | Perspectives on management of infantile hydrocephalus |
| 3.2 | J.P. McAllister | Animal models of pediatric and adult hydrocephalus for neuroimaging |
| 3.3 | L. Macedo | Imaging of Pediatric hydrocephalus and its mimics |
| 3.4 | M. Luciano | Perspectives in adult hydrocephalus |
| 3.5 | H. Rekate | A proposal for preventing shunt dependence in infantile hydrocephalus |