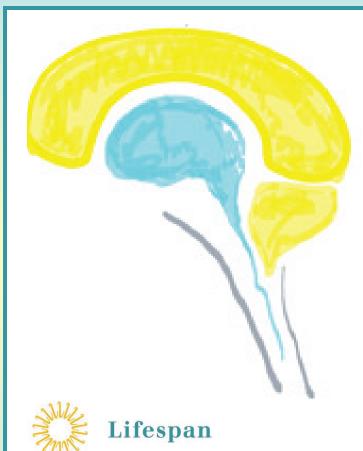
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2nd Annual Cerebrospinal Fluid Disorders Symposium

Chiari and Cognition— Fiction or Reality?

Saturday, June 17, 2017
Warran Alpart Medical School | Provide

Warren Alpert Medical School | Providence, RI

Jointly Provided By

Warren Alpert Medical School, Brown University and Department of Neurosurgery at Rhode Island Hospital

In Collaboration With

Chiari & Syringomyelia Foundation





2nd Annual CSF Disorders Symposium Chiari and Cognition—Fiction or Reality?

Program Description

In the traditional thinking, a disorder like Chiari affecting the craniocervical junction & the cerebellum, has not been looked at as a disease potentially affecting higher cognitive function. The often reported "brain fog" has been largely attributed to chronic pain, depression & anxiety associated with the unknowns & physical challenges of this disorder.

Little knowledge & literature exists about the prevalence of cognitive symptoms in Chiari, mechanism of cognition & it's clinical significance: Altered MRI diffusion tensor imaging (DTI) metrics in the genu of the corpus callosum, splenium, fornix correlated with cognitive neurocognitive function measured in Chiari. Also, the relevance of higher-level cognitive function in Chiari patients who underwent decompressive surgery has recently been addressed looking at episodic memory & executive function. One mechanism that might be relevant in Chiari is the cerebellar cognitive affective syndrome (CCAS), aka "Schmahmann's syndrome", that describes a constellation of non-motor cerebellar deficits.

The 2nd Annual CSF Disorders Symposium will further the study of cognitive impairment in Chiari diseases with consensus & evidentiary work as well as implementation of translational research & basic sciences that allow modelling cognition in Chiari disease to support the role of neurosurgery and excellence in neurosurgical techniques.

of the Cerebellum to Higher Cognitive Functions

of the Cerebrum Wael Asaad, MD, PhD

Target Audience

MD's and DO's, PA's NP's, residents, and fellows specializing in primary care, neurosurgery, neurology, orthopedic surgery, medicine, neuropsychology, geriatrics, & pediatrics.

Learning Objectives

At the conclusion of this activity, participants should be able to:

- Describe the cognitive symptoms of patients with Chiari disease and the neuropsychological findings and the impact on disability and health
- Report the cognitive impairment of patient's diagnosed with Chiari malformation and the outcome with and without neurosurgical intervention
- Recognize the role of the cerebellum in higher cognitive function(s) in Chiari disease and other cerebellar disorders
- Describe the contribution of basic sciences to understand the relevance of cognition in Chiari disease and the functional associations
- Outline the diversity of surgical treatment of Chiari disorders and promote evidence-based strategies towards understanding of how surgical intervention alters cognitive function(s) in Chiari patients

Saturday, June 17, 2017

7:30-8:30 ам	Registration, Breakfast, Visit Exhibitors	12:30-1:15 рм	Lunch, Art & Industry Exhibit, & Visit Exhibitors
8:30-9:00	Welcome Ziya L. Gokaslan, MD, FAANS, FACS and Dorothy Poppe	Neurocognition and Neuropsychological Findings in Chiari and Cerebellar Disorders Moderated by: Jeremy D. Schmahmann, MD	
9:00-9:30	Introduction Petra M. Klinge, MD, PhD Jeremy D. Schmahmann, MD	1:15–1:45	Introduction to the Cerebellar Cognitive Affective Syndrome / Schmahmann Scale, and the Cerebellar Neuropsychiatric Rating Scale (CNRS) Jeremy D. Schmahmann, MD
ANATOMICAL EVIDENCE FOR THE CONTRIBUTION OF THE CEREBELLUM TO COGNITIVE FUNCTION Moderated by: Jeremy D. Schmahmann, MD		1:45-2:15	Cognitive Testing With Pediatric Patients Christine L. Trask, MD
9:30-10:00	The Cerebellar Cognitive Affective Syndrome: Anatomy and Implications Jeremy D. Schmahmann, MD	2:15–2:45	Proposal of a "Cerebellar" Cognitive Test Battery—Adult Perspective Philip A. Allen, PhD
10:00-10:30	Meylin Imaging and Mapping and Its Implication for Cognition in Chiari Disease Sean CL Deoni, PhD		Break, Art & Industry Exhibit, & Visit Exhibitors AL IMPLICATIONS tra M. Klinge, MD, PhD
10:30–11:00 FUNCTIONAL EX	Break, Art & Industry Exhibit, & Visit Exhibitors VIDENCE FOR THE CONTRIBUTION OF THE	3:00-3:30	The Pediatric Chiari Patient William E. Butler, MD
CEREBELLUM TO COGNITION FUNCTION IN BASIC SCIENCES Moderated by: Petra M. Klinge, MD, PhD		3:30-4:00	The Adult Chiari Patient Petra M. Klinge, MD, PhD
11:00–11:30	Cognitive and Motor Impairments in a Diseased Animal Model Rebecca D. Burwell, PhD	4:00-5:00 pm	Round Table: Excellence in Neurosurgical Techniques in Chiari Disease Moderatored by: William E. Butler, MD
11:30–12:00 рм	Emotional Stress Leads to Long Lasting Changes in Neuronal Activity in the Mouse Cerebellum— Implications for Chiari Disease Si-Qiong June Liu, PhD		Ziya L. Gokaslan, MD, FAANS, FACS Fraser C. Henderson Sr., MD Mark Luciano, MD, PhD, FACS Harold L. Rekate, MD
12:00-12:30	Computational Background to the Contribution		

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Course Directors

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Registration Information

Register online at:

https://apps.biomed.brown.edu/cme_registration

Registration Fees:

Through May 31st

\$75.00 Healthcare Professionals and Researchers

\$50.00 Residents, Fellows, Students

After May 31st

\$100.00 Healthcare Professionals and Researchers

\$50.00 Residents, Fellows, Students

Conference registration fee includes: breakfast, breaks,lunch, access to an online syllabus, and on-site parking.

Cancellation Policy

Cancellations/substitutions must be made in writing to the Brown CME Office at least two weeks prior to the conference, no later than June 2, 2017. A \$25.00 administrative fee will be charged for all refunds (no refunds for "no shows"). There will be no additional charge for substitutions. This conference is subject to change or cancellation.

Conference Location and Parking

Warren Alpert Medical School of Brown University 222 Richmond Street, Providence, RI 02912

Parking will be available in the parking garage adjacent to the Medical Building. Enter through the Eddy Street Entrance (333 Eddy Street on Google Maps) and take a ticket from the machine—please bring this ticket with you and see the registration desk. You may park on any level of the garage and can exit using either the Eddy Street or Elm Street exits.

Hotel Accommodations

The Providence Marriott 1 Orms Street, Providence, RI 02903 401-272-2400

To book hotel reservations with the current Brown University rate: http://www.campustravel.com/university/brown/

Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the Warren Alpert Medical School of Brown University and Department of Neurosurgery at Rhode Island Hospital. The Warren Alpert Medical School of Brown University is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation

<u>Physicians</u>: The Warren Alpert Medical School of Brown University designates this live activity for a maximum of 7.0 *AMA PRA Category 1 Credits*TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

<u>Physician Assistants/Nurse Practitioners</u>: Participants will receive a Certificate of Attendance stating this program is designated for 7.0 hours *AMA PRA Category 1 Credits*TM. This credit is accepted by the AAPA and AANP.

For More Information

Contact the Brown CME Office 233 Richmond Street, Box G-R156 Providence, RI 02912 Ph: 401.863.2871 | F: 401.863.2202

Email: CME@Brown.edu

Please notify the Brown CME Office in writing at least two weeks prior to the conference to request reasonable accommodations.

Register online at: https://apps.biomed.brown.edu/cme_registration