



**Mechanisms and Pathophysiology of Headache in the Population of Patients with
Chiari Malformation and Hypermobility Connective Tissue Disorders
New Orleans, Louisiana - September 26, 2015**

8:00 Breakfast

Pathophysiology of Chronic Brainstem Trauma

Morning Moderator: Dominic Marino, DVM - Long Island Veterinary Specialists

8:25 Chairman's Opening Remarks

Dominic Marino, DVM - Long Island Veterinary Specialists

**8:30 Intracranial Pressure and Water Exchange in the Brain – What Clinicians and
Scientists Think They Know**

Andreas Linninger, PhD – University of Illinois at Chicago

9:00 Q & A

9:15 Intracranial Hypotension: What We Know and What We Know We Don't Know

Mark Luciano, MD, PhD - Johns Hopkins University

**9:45 A Conversation about the Radiological normal and the Pathological Threshold
of Spinal Instability**

Myles Koby, MD - Doctors Community Hospital

**10:15 The Epidemiology of Hereditary Hypermobility Connective Tissue Disorders
and their Relevance to Neurosurgical Management of the Spine and Cranio-cervical
Junction**

Clair Francomano, MD - Greater Baltimore Medical Center

10:30 – 10:45 Coffee break

10:45 Dysautonomia and Its Relationship to Brainstem Deformity

Fraser C. Henderson Sr., MD - Doctors Community Hospital

**11:15 Diagnosis and Neurointerventional Treatment of Venous thrombosis and Sinus
Outflow Obstruction**

Sunil Patel, MD - Medical University of South Carolina

11:45 The Influence of Dysautonomia on Cardiovascular Instability in Chiari Malformation and Related Disorders

Peter Rowe, MD, PhD - Johns Hopkins University

12:15 – 1:15 Lunch

Afternoon Moderator: Donlin Long, MD, PhD - Johns Hopkins Hospital

1:15 Craniocervical Junction Abnormalities; Beyond Chiari Malformation in Dogs

Curtis Dewey, DVM, DACVIM (Neurology), DACVS - Cornell University College of Veterinary Medicine

1:45 Cervico Medullary Syndrome: observations and questions

Paolo Bolognese, MD - Neurological Surgery P.C.

2:15 Histopathological evidence of clinically relevant filum pathology in tethered cord syndromes with little radiographic evidence including hypermobility syndromes

Petra Klinge, MD, PhD - Brown University

2:45 – 3:00 Break

3:00 Cranio–Cervical Pain syndromes of Musculo-ligamentous Origin that Complicate the Diagnosis of Chiari Malformation

John Mitakides, DDS, DAACP - The TMJ Treatment Center

3:30 Mast Cell Activation Syndrome, its relationship to the Autonomic Nervous System, and Adverse neurological consequences, including the impact upon headache and brain fog Pathophysiology and treatment of mast cell disorders in the central nervous system

Anne Maitland, MD - Columbia University

4:00 A New and Under Recognized Syndrome: Definition, Inclusion Criteria, Diagnostic Studies, and Crafting a Name

Harold Rekate, MD - The Chiari Institute

4:30 Discussion & Consensus points: Presentation of the final edit of the book from last year: Vol 2 CSF colloquium: Co-morbid conditions that Confound Chiari Outcome analysis

Ulrich Batzdorf, MD – UCLA Medical Center

5:00 Conclusion