

# XXIX ASAP CONFERENCE

## SCIENTIFIC PROGRAM

### Wednesday, July 19

5:30 pm - Registration and buffet

7:00 pm – Support Group Breakouts

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### Thursday, July 20

#### Room 1 - Morning

8:00 – 9:30 am

PANEL: CHIARI SURGERY (Chair: Ulrich Batzdorf)

- Non-Dural Opening, Current State of the State - Neil Feldstein (Columbia)
- Dural Opening: Real or Perceived Risk? - Mark Souweidane (Cornell)

9:30 – 11:00 am

PANEL: COMPLEX CHIARI

- Indications for Fusion in Pediatric Chiari I Malformation - Richard Anderson (Columbia)
- Craniocervical Fusion in Adult: Complex Chiari and Condylar Screws - Paolo Bolognese (CNSC)

11:00 – 12:05

LECTIO MAGISTRALIS - KEYNOTE SPEECH

Primary Spinal Syringomyelia (including post-traumatic, post-inflammatory, arachnoid cysts) – Ulrich Batzdorf (UCLA)

## Room 2 - Morning

8:00 – 9:30 am

### PANEL: THE 101 LECTURES

- Principles of Surgical Management of Chiari I Malformation - Ian Heger (Medical College of Georgia)
- Syringomyelia: Basics about Pathophysiology, Diagnosis, and Principles of Surgical Management - Tina Loven (Mercy Clinic, Springfield, MO)

9:30-11:45 am

### PANEL: OMNIBUS

- Epigenetics and Regeneration of the CNS - Bermans Iskandar (University of Wisconsin)
- Clinical Outcome Scales and Prediction Tools for Surgical Outcomes in Chiari Malformation – Nicholas Wetjen (Mayo Clinic)
- Representing and Intervening. - Jorge Lazareff (UCLA)

Lunch Break 12:00 – 1:30

## Room 1 - Afternoon

1:30 – 4:30 pm

### PANEL: UNDERSTANDING SYRINGOMYELIA

- Syringomyelia Not Associated with Chiari I Malformation or Arachnoiditis - John Heiss (NIH)
- Syringomyelia and CMI: Classification and Clinical Diagnosis - Palma Ciaramitaro (Chiari Center of Expertise, Torino.)
- How Should Syringomyelia Be Defined And Diagnosed - Jörg Klekamp (Germany)
- Questions on the Pathogenesis Of Syringomyelia - Andrew Brodbelt (UK)

## Room 2 - Afternoon

1:30 – 5:15 pm

### PANEL: OMNIBUS

- Incidental CMI - Robert Keating (Children's National Washington)
- Fluid Dynamics Ear & Brain, Cochlear Vestibular System and Tinnitus. A Clinical Protocol for Diagnosis and Treatment in Chiari Patients - Abe Shulman (SUNY Brooklyn)

- Physical Therapy Evaluation and Treatment of the Neck and Upper Extremities for the Person with Ehlers-Danlos Syndrome - Kevin Muldowney (Rhode Island)
  - Pain Management and Botox in CMI - Robert Duarte (President of NY State Pain Society)
  - Medical Marijuana and Pain - Robert Duarte (President of NY State Pain Society)
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## Friday, July 21

### Room 1 - Morning

8:00 – 11:00 am

#### PANEL: REDEFINING CHIARI

- Toward a Consensus on the Definition of Chiari I Malformation. - Harold Rekate (Chiari Institute)
- Pathogenesis and Clarification of Chiari Malformations: Morphometric Analyses of the Posterior Cranial Fossa And Craniovertebral Junction - Combined with Surgical Management of Chiari Malformations Based on the Pathogenesis and Mechanisms of Tonsillar Decent - Misao Nishikawa (Osaka, Japan)
- Genetic Hypotheses of Chiari Malformations Type I – Aintzane Urbizu Serrano (Duke University)
- Differential Diagnoses of Headache in the Patient with Chiari I Malformation - Fraser Henderson (Maryland)

11:00 – 12:05 noon

#### LECTIO MAGISTRALIS - KEYNOTE SPEECH

Syringobulbia in Chiari I Abnormalities - Arnold Menezes (University of Iowa)

### Room 2 - Morning

8:00 – 8: 45 am

#### PANEL: THE 101 LECTURES

- "Basilar invagination", and craniocervical instability - diagnosis and surgical treatment - Brian Dlouhy (University of Iowa)

8:45 – 11:45 pm

## PANEL: OMNIBUS

- Further Experience with Trauma to the Head or Spine Causing Conversion to Symptomatic Chiari 1 Malformation or Syringomyelia. - Charles Tator (Toronto, Canada)
- Sleep apnea and CMI (running title) - Juan Sahuquillo (Barcelona, Spain)
- Learning challenges in CMI - David Frim (University of Chicago)
- Long Term Follow Up in Dogs With Chiari-Like Malformation having Foramen Magnum Decompression with Cranioplasty - Dominic Marino (Canine Chiari Institute)

Lunch Break 12:00 – 1:30 pm

## Room 1 - Afternoon

1:30 – 3:00 pm

### PANEL: CHIARI SURGERY

- Primum Non Nocere, First Do No Harm-Long-Term Follow-Up of Surgical Treatment of Pediatric Chiari I Malformation - Jeffrey Wisoff (NYU)
- Rapid Fire Panel about Chiari Surgery - Selected Panel

3:00 – 6:00 pm

### PANEL: UNDERSTANDING SYRINGOMYELIA

- Shunting to the Subarachnoid Space for Treatment of Syringomyelia - Marcus Stoodley (Sidney, Australia)
- Pathogenesis And Surgical Treatment Of Syringomyelia Associated Adhesive Arachnoiditis - Ilzumi Koyanagi (Hokkaido, Japan)
- Transverse Myelitis In Children With Chiari I Malformation - Sudhakar Vadivelu (Cincinnati Children)
- Failed Foraminal Decompression, Surgical Complications Avoidance In Syringomyelia - Fabrice Parker (Paris)

## Room 2 - Afternoon

1:30 – 3:00 pm

### PANEL: OMNIBUS

- Orthostatic Intolerance In The Setting Of Chiari Malformation - Peter Rowe (Hopkins)
- Peripheral Nerve Stimulation for the Treatment of Refractory Headache in the Chiari Population - Alon Mogilner (NYU)

3:00 – 4:30 pm

### PANEL: INTRAOPERATIVE NEUROPHYSIOLOGIC MONITORING

- Neurophysiological Monitoring during Surgery for Chiari Malformation and Syringomyelia: What for? - Francesco Sala (Verona)
  - Intraoperative Monitoring of Craniocervical Fusion with Condylar Screws Placement - Marat Avshalumov (IOM at NSPC)
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## Saturday, July 22

### Room 1 - Morning

8:00 – 9:05 am

**LECTIO MAGISTRALIS - KEYNOTE SPEECH**

Tethered Cord Syndrome - Scientific Analysis for Diagnosis and Treatment - Shokei Yamada (Loma Linda)

9:05 – 11:20 am

**PANEL: TETHERED CORD SYNDROME - BELIEVERS & SKEPTICS**

- Making the Diagnosis: Selection Criteria for Tethered Cord Syndrome - Monica Wehby (Portland, OR)
- TCS Panel - Cormac Maher (University of Michigan)
- The Clinical Triad of Tethered Cord - Petra Klinge (Brown University)

11:20 – 12:25 pm

**LECTIO MAGISTRALIS - KEYNOTE SPEECH**

Confessions of a Neurosurgeon: What 25 Years of Chiari & Syringomyelia Surgery Have Taught Me – Graham Flint (Birmingham, UK)

## Room 2 - Morning

8:00 – 9:30 am

### PANEL: CHIARI SURGERY

- Chiari Type 1 Anomalies in Pediatric Age. A Series Of 434 Cases - Mirko Scagnet (Istituto Meyer, Firenze)
- Rapid Fire Panel about Chiari Surgery - Selected Panel

9:30 – 11:00 am

### PANEL: OMNIBUS

- TMJ and CCI in Chiari, Hypermobility and EDS Patients, the Cervical Myofascial Pain Syndrome (CMPS) - John Mitakides (The TMJ Treatment Center)
- Posterior Fossa Volume of Chiari Malformation: Is It Really Smaller? - Yong Liu (Beijing, China)

## Room 1 - Afternoon

2:00 – 6:30 pm

### PANEL: REDEFINING CHIARI

- History of the definition of the Chiari Malformation - Ghassan Bejjani (Pittsburgh)
- Chiari malformation and atlantoaxial instability: is there a cause-effect relationship? - Atul Goel (India)
- Chiari related syndromes - Timothy George (Austin, Texas)
- Cervical Medullary Syndrome - Roger W Kula (CNSC)
- Chiari malformation: does size matter? - Dan Heffez (Chiari Institute of Wisconsin)
- Chiari malformation: Remember brain sagging! - Wouter Schievink (Cedars Sinai)

## Room 2 - Afternoon

1:30 – 4:30 pm

### PANEL: OMNIBUS

- The Value of Chiari Research to Patients and Families: the Park-Reeves Study - Chevis Shannon (Vanderbilt)
- Orthostatic Intolerance in the Setting of Chiari Malformation - Peter Rowe (Hopkins)
- Occipital Nerve Stimulation in Patients with CM1: Experience with Pain Before and After the Decompression - Konstantin Slavin (University of Illinois)

- Comparison of Pre and Post-Operative Foramen Magnum Measurements in Minimal Invasive Surgical Treatment of Chiari Malformation - Yongli Lou (Beijing)
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## Sunday, July 23

### Room 1 - Morning

8:00 – 9:30 am

**PANEL: CHIARI SURGERY**

- Pediatric CM1 and Surgery: why, when and how (learning by a review of more than 500 children, 160 operated on) - Laura Valentini (Istituto Besta, Milano)
- Rapid Fire Panel about Chiari Surgery - Selected Panel

9:30 – 10:35 am

**LECTIO MAGISTRALIS - KEYNOTE SPEECH**

Co-morbid Conditions Associated with EDS - Rodney Grahame (UK)

10:35 – 12:05 pm

**PANEL: EHLERS-DANLOS SYNDROME**

- Joint Hypermobility and Related Spectrum Disorders: Terminology and Classification - Marco Castori (Forlanini, Rome)
- New classification of EDS and Diagnostic Criteria for Classical and Vascular - Clair Francomano (Harvey Institute of Human Genetics)

12:05 – 1:10 pm

**LECTIO MAGISTRALIS - KEYNOTE SPEECH**

What are Dysautonomias? - David Goldstein (NIH)

### Room 2 - Morning

8:00 – 11:00 am

**PANEL: OMNIBUS**

- Is it Mast Cell Activation Syndrome? Diagnosis and Management of Mast Cell Disorders - Anne Maitland (Mount Sinai)
- NIH Common Data Elements - Brandon Rocque (University of Alabama)
- Engineering-based Methods for Static and Dynamic Assessment of Chiari Malformation - Bryn Martin (Iowa)
- A Genetic Hypothesis for Chiari 1 Malformation - Sabrina Giglio (Meyer Firenze)

## Room 1 - Afternoon

2:00 – 5:00 pm

### PANEL: ROLES AND GOALS OF INTERNATIONAL CHIARI SUPPORT GROUPS

- Objectives and Communication Skills by the French Advocacy Group APAISER (French with English subtitles) - Madeleine Gilanton (APAISER France)
- The Ann Conroy Trust: Development of a Patient Support Charity in the UK - Graham Flint, (ANN CONROY TRUST UK)
- Topic TBA -Carlo Celada (AISMAC)
- ASAP: From 1988 to the Future – Patrice Schaublin, ASAP President

## Room 2 - Afternoon

1:00 – 4:00 pm

### PANEL: OMNIBUS

- Should Sports Participation be Restricted?- Cormac Maher (University of Michigan)
- Intracranial Venous Stenting: Past, Present, and Future - Kenneth Liu (UVA)
- Chiari I and Pseudotumor: Neurosurgical perspective - Gerald Grant (Stanford University)
- Non-Surgical Management of Chiari-related or Postoperative Symptoms - Andrew Ringer (Mayfield)



## Video-Posters

- Diagnosis and Treatment of CMI at the Mayfield Clinic – Robert Bohinski (Mayfield Clinic)
- "Situación sociosanitaria del Síndrome de Chiari en España y el papel de la F.E.M.A.C.P.A. (Social and health situation of Chiari Syndrome in Spain and the role of F.E.M.A.C.P.A.) - FEMACPA (Spain)
- Cerebrovenous orthostatic reactivity in pathology of craniovertebral barrier - Victor A Shakhnovich (Burdenko Institute, Moscow)
- Four Years Prospective Followup after Surgery and Comparison with the Conservative Approach in Adults – Palma Ciaramitaro (Chiari Center of Expertise, Torino)
- SYRENET – Palma Ciaramitaro (Conorzio Chiari Torino)
- Title TBA – Robert Keating (Children’s National Medical Center)
- PT Exercises in CMI/EDS – Kevin Muldowney (Rhode Island)
- Differences between Adult and Pediatric CMI - Jörg Klekamp (Germany)
- Experiences and Outcomes of Leaving the Dura Open in Patients with Chiari I Malformations – Andrew Brodbelt (UK)
- SSEP and CMI – Juan Sahuquillo (Barcelona, Spain)
- Small Fiber Neuropathy - Roger W Kula (CNSC)
- Adult CM1 and Headache: Outcome after Surgery – Laura Valentini (Istituto Besta, Milano)
- TBA – Yung Liu (Beijing, China)
- TBA – Mark Souweidane (Cornell)

- Mechanisms of Cognition and Cognitive Function in Chiari Disease and the Role of Decompressive Surgery – Petra Klinge (Brown University)
- The Life and Legacy of Bernard Williams – Graham Flint (Birmingham, UK)
- CMI, Pregnancy and Delivery - Roger W Kula (CNSC)
- A Common Ground: results from the Chiari Questionnaire – Paolo Bolognese, MD (CNSC)