

CONSENSUS CONFERENCE ON CHIARI MALFORMATION & SYRINGOMYELIA

- *the Lesson Learned in Ten Years (2009-2019)* -

NOVEMBER 11-12-13 | 2019



SCIENTIFIC COMMITTEE

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Gian Vincenzo Zuccotti (Milan)

AUSPICES OF



Sistema Socio Sanitario



**Fondazione
Pierfranco e Luisa Mariani
neurologia infantile**



Monday, November 11th, 2019
CHILDREN

08.00 Opening and Registration

08.30 Welcome

Introduction to the Consensus Process
A. Solari (Milan)

SESSION I

FIRST PART

Are we operating too many Children? Who really needs to be operated? Natural history and timing of Follow Up for Asymptomatics

Chairs: **M.P. Canevini** (Milan), **L. Chiapparini** (Milan), **G.I. Jallo** (Baltimore, USA)

Discussant:

09.00 Natural History & Surgical Indications
M. Messing-Jünger (Germany)

09.15 Natural history of Besta series
V. Saletti (Milan)

09.22 Multidisciplinary Approach at GOSH
P. Prabakhar (London)

09.29 Natural history of Turin Series
F. Ricci (Turin)

SECOND PART

Chiari Symptoms: differential diagnosis and strumental exams

09.36 Cognition, Behavior & CM1
D.P.R. Chieffo (Rome)

09.46 Role of Neurphysiological Tests
P. Lanteri (Genoa)

09.56 Obstructive Sleep Apnea Syndrome
A. Mandelli (Milan)

10.06 Epilepsy & CM1
E.M. Freri (Milan)

10.16 Adolescents' headache
L. Grazzi (Milan)

10.26 Associated Syndromes & Role of Pediatric Neurologist
V. Saletti (Milan)

THIRD PART - Abstract presentation

10.36 Chiari Malformation Type I: a new radiological and surgical evaluation

C.F. Carlino (Turin)

10.43 Discussion

11.15

SESSION II

FIRST PART

How to deal with Associated Malformations: Hydrocephalus, Craniosynostosis, Tethered Cord

Chairs: **A. Casagrande Canheu** (Londrina, Brazil), **A. Erbetta** (Milan), **C. Orcesi** (Pavia)

Discussant:

11.15 How to deal with CM Plus

F. Di Rocco (Lyon, France)

11.30 CM2 is not a more severe CM1

G. Talamonti (Milan)

11.40 Associated Hydrocephalus

G. Cinalli (Naples)

11.50 How to treat CM1 Associated with Craniosynostosis

G. Paternoster (Paris, France)

12.05 CM and Occult Spinal Dysraphisms

D. Thompson (London, UK)

12.15 Uselessness of OCT Detethering

L.G. Valentini (Milan)

12.30-13.00 SECOND PART – Discussion and **votes** general addendum first part

13.00 *Light Lunch*

14.00

SESSION III

FIRST PART

Why my technique is better than the others? Complications Rate Report

Chairs: **J. Galli** (Brescia), **S. Sgouros** (Greece), **F.M. Triulzi** (Milan)

Discussant:

14.00 Surgical Techniques for Children

G.I. Jallo (Baltimore, USA)

14.15 Role of IOM in CM

F. Sala (Verona)

14.25 **Round Table - First Surgery CM Children**

(7 minutes each)

F. Di Rocco (Lyon, France)
F. Giordano (Florence)
M. Messing-Jünger (Germany)
L. Massimi (Rome)
J. Sahuquillo - M. Poca (Barcelona, Spain)
P. Peretta (Turin)
G. Piatelli (Genoa)
D. Thompson (London, UK)
L.G. Valentini (Milan)

SECOND PART - Abstract presentation

15.28 Syringomyelia associated to primary hindbrain herniation: radiological-clinical outcomes and the “post-syringomyelia syndrome” hypothesis

P. Gallo (Edinburg, UK)

15.35 The Brazilian Survey on CM

A. Casagrande Canheu (Londrina, Brazil)

15.42 Discussion

16.00

16.00 Coffee Break

16.30

SESSION IV

FIRST PART

What to do for isolated pediatric Syringomyelia?

Chairs: **P. Lanteri** (Genoa), **A. Righini** (Milan), **M. Zucchelli** (Bologna)

Discussant:

16.30 Diagnostic-therapeutic pathway for Pediatric Syringomyelia

L.G. Valentini (Milan)

16.45 Relations with Scoliosis

L. Colombo (Milano)

16.55 **Round Table - Surgery Isolated Syringomyelia**

(7 minutes each)

J. Sahuquillo - M. Poca (Barcelona, Spain)
M. Messing-Jünger (Germany)
G. Piatelli (Genoa)
D. Thompson (London, UK)
A. Casagrande Canheu (Londrina, Brazil)

17.30-18.00 – SECOND PART – discussion and **votes**

THIRD PART

Which are the dealing causes of failure? Who needs to be re-operated?

Chairs: **M.M. Ferraris** (Turin), **M. Caldarelli** (Rome), **P. Prabakhar** (London)

Discussant:

18.00 Definition and causes of possible surgical failures;
Indications & Techniques for Re-Do Surgery in Children
L. Massimi (Rome)

18.15 **Round Table - Re-Do Surgery CM Children**

(7 minutes each)

S. James (Paris, France)

P. Peretta (Turin)

G.I. Jallo (Baltimore, USA)

F. Giordano (Florence)

M. Messing-Jünger (Germany)

L.G. Valentini (Milan)

D. Thompson (London, UK)

S. Sgouros (Athens, Greece)

19.11-19.45 FOURTH PART - Discussion and **votes**

19.45 Adjourn

Networking Dinner with the Associations

Tuesday, November 12th, 2019
ADULTS

SESSION V

FIRST PART

Are we operating too many adults? Which adult needs to be operated?

Chairs: **L. Chiapparini** (Milan), **M. Karadjova** (Sofia, Bulgaria), **P. Perrini** (Pisa)

Discussant:

08.30 Natural History & Surgical Indications

P. Ciaramitaro (Turin)

Differential Diagnosis & Chiari Symptoms

08.45 Which treatment for Hypertension?

A. Franzini (Milan)

08.55 and for Hypertension

L. Caputi (Milan)

09.05 Differential Diagnosis with motor disorders

R. Eleopra (Milan)

09.15 Differential Diagnosis of Ataxia

L. Nanetti (Milan)

09.25 Differential Diagnosis of Headache

M. Curone (Milan)

SECOND PART - Abstract presentation

09.35 Possible differential diagnosis in patients with chiari malformation type 1 and usual or unusual symptoms

N. Golfrè Andreasi (Milan)

09.42 Discussion

10.15

10.15 *Coffee Break*

10.45

THIRD PART

Why my technique is better than the others? How to evaluate the results?

Chairs: **M. Cenzato** (Milan), **R. Eleopra** (Milan), **M.C. Valentini** (Turin)

Discussant:

10.45 Surgical Techniques for Adults

M. Stoodley (Sydney, Australia)

11.00 **Round Table - First Surgery CM Adults**

(7 minutes each)

A. Brodbelt (Liverpool, UK)

P. Perrini (Pisa)

F. Parker - S. Morar (Paris)

P. Bolognese (New York, USA)

J. Klekamp (Germany)

L.G. Valentini (Milan)

J. Sauquillo - M. Poca (Barcelona, Spain)

11.49 Outcome Scales & Follow-Up

P. Ciaramitaro (Turin)

FOURTH PART - Abstract presentation

11.59 Suboccipital decompression with watertight duroplasty as a safe and effective method to treat chiari- related syringomyelia

S. Rocco (Pozzilli, IS)

12.06 Discussion and **votes**

12.30

12.30 *Light Lunch*

13.30

SESSION VI

FIRST PART

CranioVertebral Junction Malformations and Instability: Who Needs to be Fixed?

Chairs: **L. Chiapparini, G. De Vigili, G. Talamonti** (Milan)

13.30 Diagnosis of associated EDS

M. Castori (San Giovanni Rotondo, FG)

13.40 Associated EDS Guidelines

A. Bassotti (Milan)

13.50 CVJ malformations in genetic and metabolic diseases

C. Giussani (Monza)

Discussants:

14.00 Adults: Who needs to be Fixed? How?

J. Klekamp (Germany)

14.07 Paediatric CVJ and Chiari I – should treatment be modified?

D. Thompson (London, UK)

14.15 Special approaches: transoral & transnasal

M. Visocchi (Rome)

14.25 **Round Table - CVJ Instability and Fixation**

(7 minutes each)

P. Bolognese (New York, USA)

F. Di Rocco (Lyon, France)

G. Piatelli (Genoa)

S. James (Paris, France)

M. Visocchi (Rome)

M. Stoodley (Sydney, Australia)

SECOND PART - Abstract presentation

15.07 Association of rare functional genetic variants in col7a1, col6a5, col1a2, col5a2 and other extracellular matrix related genes with chiari malformation type i and co-occurrence connective tissue disorders

A. Urbizu (Barcelona, Spain)

15.14 Discussion and **votes** general addendum, II part

16.00

16.00 Coffee Break

16.30

SESSION VII

FIRST PART

Which are the dealing causes of failure? Who needs to be reoperated?

Chairs: **A. Barbanera** (Alessandria), **M. Karadjova** (Sofia, Bulgaria), **G.M. Triulzi** (Milan)

Discussant:

16.30 Definition and causes of possible surgical failures; Indications & Techniques for Re-Do Surgery in Adults

P. Bolognese (New York, USA)

16.45 **Round Table - Re-Do Surgery CM Adults**

(7 minutes each)

F. Parker - S. Morar (Paris)

L.G. Valentini (Milan)

A. Brodbelt (Liverpool, UK)

P. Perrini (Pisa)

J. Sauquillo - M. Poca (Barcelona, Spain)

J. Klekamp (Germany)

M. Stoodley (Sydney, Australia)

17.34-17.45 SECOND PART - Discussion

THIRD PART

How to deal with isolated Syringomyelia in the Adults?

Chairs: **D. Cocito** (Turin), **M.M. Ferraris** (Turin), **F. Sala** (Verona)

17.45 Clinical phenotypes in Isolated Syringomyelia

P. Ciaramitaro (Turin)

17.52 Differential Diagnosis with Polineuropathies

D. Pareyson (Milan)

17.59 Postraumatic Syringomyelia

A. Garbossa (Turin)

18.06 Relations with Scoliosis

P. Cinnella (Torino)

18.13 Treatment of Neuropathic Pain

A. Truini (Rome)

Discussant:

18.20 Surgical Treatment for Syringomyelia in Adults

J. Klekamp (Germany)

18.35 **Round Table Surgery Isolated Syringomyelia**

(7 minutes each)

M. Stoodley (Sydney, Australia)

J. Sauquillo - M. Poca (Barcelona, Spain)

F. Parker - S. Morar (Paris)

A. Brodbelt (Liverpool, UK)

A. Garbossa (Turin)

19.10 Discussion and **votes**

19.30

Concert open to Patients and Associations

- PROGRAMMA 13 NOVEMBRE 2019 - CRITERI DIAGNOSTICI E RISPOSTE

- INIZIO DEL PERCORSO ACCREDITATO ECM -

Qualifying Course for referral centers Corso Formativo Neurologi, Neuropsichiatri, Neuroradiologi, Neurochirurghi, Pediatri

08.00 Apertura della Segreteria, registrazione dei partecipanti

Saluto delle Autorità

F. Tagliavini - Direzione Scientifica Fondazione IRCCS Istituto Neurologico C. Besta

L. Valvassori - Presidente eletto SNO - Scienze Neurologiche Ospedaliere

SESSIONE I

Criteria Neuroradiologici per la Malformazione di Chiari e la Siringomielia

Moderatori: **A. Righini**, **P. Veggiotti** (Milano) **M.C. Valentini** (Torino)

08.30 CM1 Pediatrico e Malformazioni associate

A. Erbetta (Milano)

08.45 Siringomielia Pediatrica

C. Parazzini (Milano)

09.00 CM1 nell'adulto; CM0 e CM1.5 e studi di dinamica liquorale

F.M. Triulzi (Milano)

09.15 Siringomielia nell'adulto

M.M. Ferraris (Torino)

09.45 Criteria diagnostici di instabilità della CVJ

G. Morana (Genova)

10.00 Diagnosi Differenziale con Ipotensione ed Iperensione

L. Chiapparini (Milano)

Lecture:

10.15 What's new about diagnostic criteria and research

M. Stoodley (Sydney, Australia)

10.45-11.00 Discussione e domande

11.00-11.30 Coffee Break

Criteria Clinici e Diagnosi Differenziale per la Malformazione di Chiari e la Siringomielia

Moderatori: **F.M. Triulzi**, **G. Zuccotti** (Milano)

11.30 Criteria clinici

P. Ciaramitaro (Torino)

11.40 Diagnosi differenziale

D. Cocito (Torino)

11.50 Diagnostica strumentale

G. Devigili (Milano)

12.10 La cefalea da Chiari e diagnosi differenziale delle cefalee

L. Grazzi (Milano)

- 12.10 Trattamento dell'Ipotensione Liquorale
A. Franzini (Milano)
- 12.20 Diagnosi Differenziale e Trattamento dell'Ipertensione
L. Caputi (Milano)
- 12.30 Linee Guida per EDS
A. Bassotti (Milano)
- 12.40 CM1 e Siringomielia in gravidanza: protocollo multidisciplinare
P. Gaglioti (Torino)
- 12.50-13.00 *Discussione e domande*
- 13.00-14.00 *Light Lunch*

SESSIONE II

Moderatori: **E. Daina** (Bergamo), **A. Federico** (Siena)

I Progetti delle Associazioni

- 14.00 Il progetto Registro Internazionale Chiari-Siringomielia
P. Ciaramitaro (Torino), **S. Morar** (Parigi, Francia), **M.A. Poca** (Barcellona, Spagna), **AISM&APASER**
- 14.30 Importanza del supporto psicologico: invece, prima, durante, dopo l'intervento
S. Di Carlo (Milano)

Presentazione della Bozza del Documento di Consenso

- 15.00 Quale indicazione all'intervento nel CM1 e Siringomielia Pediatrica? Storia Naturale, Sintomi, Sindromi, Esami Strumentali
V. Saletti (Milano)
- 15.15 Come trattare le Malformazioni Associate: Idrocefalo - Craniostonosi - Tethering
L. Massimi (Roma)
- 15.30 Quale Tecnica Chirurgica per i pazienti pediatrici? Quali sono le cause di insuccesso? Chi deve essere rioperato?
P. Peretta (Torino)
- 15.45 Quale diagnostica e quale trattamento nella Siringomielia Pediatrica Isolata?
L.G. Valentini (Milano)
- 16.00 Indicazioni per la Fissazione Craniovertebrale
G. Piatelli (Genova)
- 16.15 Quali indicazione al trattamento per la CM1 e la Siringomielia dell'adulto? Sintomi, Esami Strumentali e Diagnosi Differenziale
P. Ciaramitaro (Torino)
- 16.30 Quale Tecnica Chirurgica per il CM1 dell'adulto? Quali sono le cause di insuccesso? Chi deve essere rioperato?
L.G. Valentini (Milano)
- 16.45 Quale diagnostica e quale trattamento per la Siringomielia Isolata dell'Adulto?
A. Barbanera (Alessandria)
- 17.00 Compilazione del Questionario ECM e chiusura dei lavori

INFORMATION

All information to the congress can be consulted on the dedicated website:

www.progetka.com/F6

Congress Venue

- **11-12 November - NH Collection Milano President**

Largo Augusto, 10 - Milan, Italy

- **13 November – Aula Magna Auditorium**

Via Festa del Perdono, 7 - Milan, Italy

Registration

Participation in the Congress is open for a maximum of **nr. 100** participants and is subject to the availability of seats.

Registration fee

Daily registration:

- €150,00

Registration three days:

- €350,00

We invite you to register as soon as possible in order to facilitate the organization.

The certificate of participation will be issued.

Deadline registration

Friday 01 November 2019

SCIENTIFIC INFORMATION

General rules

The Scientific Committee addresses a cordial invitation to all the Speakers for the rigorous respect of the time assigned to them, otherwise the audio will be suspended.

- Only for the day of November 13, 2019 and Italians only -

ECM – Educazione Continua in Medicina

The ECM Provider SINchⁿ n. 695 forwarded the request for accreditation up to 100 participants and were assigned **nr.6 ECM credits** for the Medical Surgeon Profession, categories

Psychologist:

- Psychology
- Psychotherapy

Surgeon:

- Medical Genetics
- Physical Medicine And Rehabilitation
- Internal Medicine
- Sport Medicine
- Neonatology
- Neurology
- Child Neuropsychiatry
- Pediatrics
- Psychiatry
- Maxillo-Facial Surgery
- Pediatric Surgery
- Gynecology And Obstetrics
- Neurosurgery
- Ophthalmology
- Orthopedics And Traumatology
- Anesthesia And Resuscitation
- Neurophysiopathology
- Neuroradiology
- General Medicine (Family Doctors)
- Pediatrics
- Pediatricians Of Free Choice
- Medical Management Of Hospital Presidium
- Neuro Therapist And Psychomotricity Of The Evolutionary Age
- Technique Of Neurophysiopathology

The assigned credits will be shown on the certificate that will be sent after the Course, when the Organizing Secretariat has completed all the required control procedures:

- Attendance check (90% of accredited training)
- Control of the evaluation questionnaire (only those who have correctly answered at least 75% of the questions in the questionnaire will be positively evaluated)
- Delivery of the ECM dossier completed COMPLETELY and LEGALLY.

- There will be no exceptions to these obligations -

Ecm Training Objective

18 - Specific technical-professional contents (knowledge and competences) of each one profession, of each specialization and of each ultra-specialist activity, therein including rare diseases and gender medicine.

Variations

The Scientific Committee and the Organizing Secretariat reserve the right to make changes to Schedule all the necessary changes for scientific and / or technical reasons.

Organizing Secretariat

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EVENTI & CONGRESSI

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