

# CONSENSUS CONFERENCE ON CHIARI MALFORMATION & SYRINGOMYELIA

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

**NOVEMBER 11-12-13 | 2019**



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*Great Ormond Street Hospital (London, UK)*

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*Città della Salute e della Scienza (Turin)*

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*Ospedale dei Bambini "Vittore Buzzi" (Milan)*

**Francesco Sala**

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**Veronica Saletti**

*IRCCS Istituto Neurologico Carlo Besta (Milan)*

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*University Hospital Vall d'Hebron (Barcelona, Spain)*

**Spyros Sgouros**

*"Mitera" Childrens Hospital (Greece)*

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*Azienda USL di Bologna (Bologna)*

**Gian Vincenzo Zuccotti**  
*ASST Fatebenefratelli Sacco (Milan)*

## AUSPICES OF



Sistema Socio Sanitario



# Monday, November 11<sup>th</sup>, 2019

## CHILDREN

08.00 Opening and Registration

08.30 Welcome

Introduction to the Consensus Process

**A. Solari** (Milan)

**Saluto delle Autorità**

**L. Valvassori** - *Presidente eletto SNO - Scienze Neurologiche Ospedaliere*

### SESSION I

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

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

*Discussant:*

Natural History & Surgical Indications

**M. Messing-Jünger** (Germany)

Natural history

**V. Saletti** (Milan)

Multidisciplinary Approach

**P. Prabakhar** (London)

Natural history

**F. Ricci** (Turin)

Chiari Symptoms: differential Diagnosis and instrumental exams

Cognition, Behavior & CM

**D.P.R. Chieffo** (Rome)

Role of Neurophysiological Tests

**P. Lanteri** (Genoa)

Osas

**A. Mandelli** (Milan)

Epilepsy & CM1

**T. Granata** (Milan)

Adolescents' headache

**L. Grazzi** (Milan)

Associated Syndromes & Role of Pediatric Neurologist

**V. Saletti** (Milan)

10.30-11.30 Asymptomatic & Indications for Surgery – Children

**ABSTRACT**

The Brazilian Survey on CM

**A. Casagrande Canheu** (Londrina, Brazil)

11.30 How to deal with Associated Malformations:

Hydrocephalus, Craniosynostosis, Tethered Cord

*Chair:* **A. Casagrande Canheu** (Londrina, Brazil), **A. Erbetta** (Milan)

*Discussant:*

How to deal with CM Plus..

**F. Di Rocco** (Lyon, France)

CM2 is not a more severe CM1

**G. Talamonti** (Milan)

Associated Hydrocephalus

**G. Cinalli** (Naples)

How to treat CM1 Associated with Complex Craniosynostosis

**G. Paternoster** (Paris, France)

CM and Occult Spinal Dysraphisms

**D. Thompson** (London, UK)

Uselessness of OCT Detethering

**L.G. Valentini** (Milan)

12.30-13.00 Associated Malformations: Hydrocephalus - Craniosynostosis -Tethering

**ABSTRACT**

13.00 *Light Lunch & Votes*

14.00

**SESSION II**

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

*Chair:* **P. Prabakhar** (London), **S. Sgouros** (Greece), **F.M. Triulzi** (Milan)

*Discussant:*

Surgical Techniques for Children

**G.I. Jallo** (Baltimore, USA)

Role of IOM in CM

**F. Sala** (Verona)

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

**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)

15.30-16.00 Surgery – Children

**ABSTRACT**

16.00 Coffee Break

16.30

### **SESSION III**

16.30 What to do for isolated pediatric Syringomyelia?

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

*Discussant:*

Diagnostic-therapeutic pathway for Pediatric Syringomyelia

**L.G. Valentini** (Milan)

Relations with Scoliosis

**L. Colombo** (Milano)

### **Round Table - Surgery Isolated Syringomyelia**

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

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

*Chair:* **M. Ferraris** (Turin), **G. Piatelli** (Genoa), **P. Prabakhar** (London)

*Discussant:*

Definition and causes of possible surgical failures;

Indications & Techniques for Re-Do Surgery in Children

**L. Massimi** (Rome)

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

**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)  
**F. Di Rocco** (Lyon, France)



18.00-18.30 Redo Surgery - children

**ABSTRACT**

18.30 Voting

20.00 Adjourn

**Networking Dinner with the Associations**

# Tuesday, November 12<sup>th</sup>, 2019

## ADULTS

### SESSION IV

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

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

*Discussant:*

Natural History & Surgical Indications

**P. Ciaramitaro** (Turin)

Differential Diagnosis & Chiari Symptoms

Which treatment for Hypertension?

**A. Franzini** (Milan)

and for Hypertension

**F. Caputi** (Milan)

Differential Diagnosis with motor disorders

**R. Eleopra** (Milan)

Differential Diagnosis of Ataxia

**L. Nanetti** (Milan)

Differential Diagnosis of Headache

**M. Curone** (Milan)

10.30-11.00 Symptoms & Indications – Adults

**ABSTRACT**

*11.00 Coffee Break*

11.30

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

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

*Discussant:*

Surgical Techniques for Adults

**M. Stoodley** (Sydney, Australia)

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

**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)

Outcome Scales & Follow-Up  
**P. Ciaramitaro** (Turin)

12.30-13.00 Surgery - Adults

**ABSTRACT**

*13.00 Light Lunch*

*14.00*

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

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

Diagnosis of associated EDS

**M. Castori** (San Giovanni Rotondo, FG)

Associated EDS Guidelines

**A. Bassotti** (Milan)

CVJ malformations in genetic and metabolic diseases

**C. Giussani** (Monza)

*Discussant:*

Adults: Who needs to be Fixed? How?

**J. Klekamp** (Germany)

Pediatric CVJ anomalies and CM – Should treatment be modified?

**D. Thompson** (London, UK)

Special approaches: transoral & transnasal

**M. Visocchi** (Rome)

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

**P. Bolognese** (New York, USA)

**F. Di Rocco** (Lyon, France)

**G. Piatelli** (Genoa)

**S. James** (Paris, France)

**M. Visocchi** (Rome)

**M. Stoodley** (Sydney, Australia)

15.30-16.00 CVJ Fixations

**ABSTRACT**

*16.00 Coffee Break*

*16.30*

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

*Chair:* **A. Barbanera** (Alessandria), **G.M. Triulzi** (Milan)

*Discussant:*

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

**P. Bolognese** (New York, USA)

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

**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)  
**P. Bolognese** (USA)  
**M. Stoodley** (Sydney, Australia)

17.30-18.00 Which are the dealing causes of failure? Who needs to be reoperated?

**ABSTRACT**

18.00 How to deal with isolated Syringomyelia in the Adults?

*Chair:* **M. Ferraris** (Turin), **F. Sala** (Verona)

*Discussant:* **J. Klekamp** (Germany)

Clinical phenotypes in Isolated Syringomyelia

**P. Ciaramitaro** (Turin)

Differential Diagnosis with Polineuropathies

**D. Pareyson** (Milan)

Postrumatic Syringomyelia

**A. Garbossa** (Turin)

Relations with Scoliosis

**P. Cinnella** (Torino)

Treatment of Neuropathic Pain

**A. Truini** (Rome)

*Discussant:*

Surgical Treatment for Syringomyelia in Adults

**J. Klekamp** (Germany)

**Round Table Surgery Isolated Syringomyelia**

**M. Stoodley** (Sydney, Australia)  
**J. Sauquillo/ M. Poca** (Barcelona, Spain)  
**F. Parker, S. Morar** (Paris)  
**A. Brodbelt** (Liverpool, UK)

18.40-19.00 Isolated Syringomyelia - Adults

**ABSTRACT**

19.00 Votes and Closing of the clinical part

**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

Fabrizio Tagliavini - *Direzione Scientifica Fondazione Istituto Neurologico C. Besta*

## 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. 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  
**F. 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), **AISMAC&APAISER**
- 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](http://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 SINch<sup>n</sup> n. 695 forwarded the request for accreditation up to 100 participants and were assigned **nr.6 ECM credits** for the Medical Surgeon Profession, categories:

- **Neurosurgeon**
- **Child Neuropsychiatrist**

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

PROGETKA  
EVENTI & CONGRESSI

Via Nuova Circonvallazione 57/b - 47923 Rimini  
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