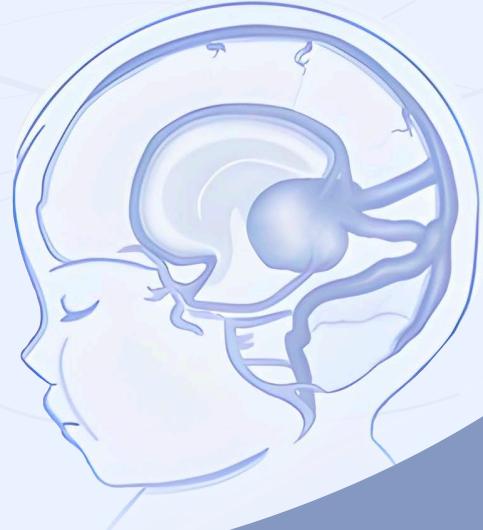


INTERNATIONAL MEETING ON VEIN OF GALEN ANEURYSMAL MALFORMATION IN NEWBORNS AND CHILDREN



MAY 11-12
2023

**HOTEL CONTINENTAL
GENOA - ITALY**

The official language of the Meeting is English
with no simultaneous translation provided

DIRECTORS:
Silvia Buratti
Andrea Rossi



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ENDORSED BY



ISTITUTO GIA>NNINA GASLINI
ISTITUTO PEDIATRICO
DI RICOVERO E CURA
A CARATTERE SCIENTIFICO



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F. Buffelli - Genoa

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V. Capra - Genoa

L. Castellan - Genoa

C. Fox - San Francisco (USA)

E. Fulcheri - Genoa

C. Gandolfo - Rome

A. Hale - Birmingham (USA)

T. Hassan - Alexandria (EGYPT)

S. Malarbi - Melbourne (AUS)

A. Moscatelli - Genoa

P. Muthusami - Toronto (CDN)

D. B. Orbach - Boston (USA)

D. Paladini - Genoa

C. Parodi - Genoa

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G. Piatelli - Genoa

F. Prefumo - Genoa

A.L. Ramenghi - Genoa

F. Requejo - Buenos Aires (ARG)

A. Righini - Milan

A. Rossi - Genoa

G. Saliou - Lausanne (CH)

M. Severino - Genoa

G. Tuo - Genoa



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INTERNATIONAL MEETING ON VEIN OF GALEN ANEURYSMAL MALFORMATION IN NEWBORNS AND CHILDREN

- Prenatal history and prognostic factors
- VGAM and heart failure in newborns
- Neuroradiological assessment and prognostic factors
- Endovascular treatment: indications, techniques and controversies
- Neurosurgical perspective
- Genetics
- Pathology: brain, heart and lungs
- Ethical issues
- Follow up and outcomes

THE INTERNATIONAL PEDIATRIC STROKE STUDY AND THE VGAM REGISTRY

Neonatal and pediatric neurocritical care is an evolving subspecialty that integrates neuroscience and critical care specialties. Rapid advances in knowledge and new perspectives require broad scientific collaborations and continuous update, especially in rare diseases.

Vein of Galen aneurysmal malformation (VGAM) is a rare congenital cerebral vascular malformation. In the past, the course of this pathology was burdened by serious complications, such as heart failure, cerebral haemorrhage, hydrocephalus, psychomotor retardation, and epilepsy. In the most severe forms, the mortality in the neonatal period was equal to 100%. Currently, the diagnosis is still associated with high rates of morbidity and mortality, but the better understanding of the clinical, anatomical, and pathophysiological aspects of this pathology has allowed to significantly improve survival and functional

prognosis. In the last three decades, endovascular treatment and highly specialized management in neonatal and pediatric intensive care, together with a specific multidisciplinary approach have contributed to making VGAM a potentially treatable disease. Few centers in the world deal with the management of patients with VGAM, from prenatal diagnosis to long-term follow-up, and the current literature does not provide sufficient data to fully define the different aspects of this complex condition.

The meeting is targeted to specialists in Neuroradiology, Interventional Neuroradiology, Neurosurgery, Neonatal and Pediatric Intensive Care, Cardiology, Neurology, Fetal Medicine, and Genetics.

The meeting is a broad collaborative project held by a multidisciplinary group with clinical and research expertise in VGAM treatment.

PROGRAM

DAY 1 Thursday MAY 11

08.40-09.00

WELCOME & INTRODUCTION

PRENATAL HISTORY AND BIRTH

Chairs: F. Prefumo, A.L. Ramenghi

Prenatal history and prognostic factors

How to define the perinatal management

09.00 Embriology and classifications F. Requejo

09.15 Fetal Ultrasound D. Paladini

09.30 Fetal Brain MR A. Righini

09.45 Fetal Echocardiography G. Tuo

10.00 The perinatal pathway S. Buratti

10.15 Fetal treatment D.B. Orbach

10.35 Discussion

10.50 Coffee Break

THE NEONATAL ASSESSMENT AND MANAGEMENT

Chairs: S. Buratti, A. Rossi

VGAM and heart failure in newborns

Neuro-cardiac Intensive Care

11.20 The Cardiologist G. Tuo

11.35 The Intensivist A. Moscatelli

11.50-13.30

Controversies and strategies in assessment and treatment

11.50 Neuroradiological risk factors: potential additional indications? M. Severino

12.10 Semi-automatic volume quantification and non-invasive brain perfusion in VGAM C. Parodi

12.25 Endovascular treatment: methods, access, techniques and procedural complications G. Saliou

12.45 Procedural complications and risk factors P. Muthusami

13.05 Discussion

13.20 Lunch Break

INTERVENTIONAL AND NEUROSURGICAL PERSPECTIVES

Chairs: D.B. Orbach, G. Piatelli

14.30-14.45 Cerebral AVM with Vein of Galen dilation (VGAD): differential diagnosis and treatment overlap L. Castellan, F. Pasetti

14.45-15.00 The Impact of angiographic geometry on the clinical presentation of true VGAM T. Hassan

15.00-15.15 Neurosurgical perspective: acute complications and hydrocephalus M. Pavanello

15.15-16.45 Round table: L. Castellan, C. Gandolfo, P. Muthusami, D. B. Orbach, F. Requejo, A. Rossi, G. Saliou, M. Severino

• When to treat M. Severino

• When to stop the procedure D.B. Orbach

• When to stop the treatment C. Gandolfo

• Foraminal stenosis and venous hypertension L. Castellan

• Small thalamic feeders A. Rossi

• MCA pseudofeeders G. Saliou

• The internal cerebral vein drainage dilemma P. Muthusami

• Not every congenital AV shunt Galen F. Requejo

17.00 Closing of the day

PROGRAM

DAY 2 Friday MAY 12

GENETICS, PATHOLOGY AND OUTCOMES

Chairs: D. Paladini, G. Saliou

09.00 Genetic background of VGAM V. Capra

09.20 Research study: Genetic basis of VGAM A. Hale (in remote)

09.30 Pathology: brain, heart and lungs F. Buffelli, F. Fulcheri

09.50 Follow up and outcomes S. Malarbi (in remote)

10.10 Discussion

CLINICAL AND ETHICAL CHALLENGES

Chairs: S. Buratti, P. Muthusami, M. Severino

Palliation: clinical or ethical indications?

10.20 Panel

Clinical discussion for the faculty

10.50 Panel

11.30 Coffee Break

12.00-12.20

The International Pediatric Stroke Study and the VGAM Registry

S. Buratti, C. Fox

12.20-13.30

The Faculty meets the families

13.30 Meeting Closing Remarks



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GENERAL INFORMATION



MEETING VENUE

Hotel Continental
Via Arsenale di Terra, 1
16126 **Genova**
www.hotelcontinentalgenova.it

ORGANIZING SECRETARIAT

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OFFICIAL LANGUAGES

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REGISTRATION FEES ONSITE

Physicians	€ 250,00
Physicians SIEOG Members	€ 175,00
Nurses	€ 150,00
Residents/Students	€ 150,00

Registration fees include: meeting bag, badge, attendance certificate and any catering services included in the program. The meeting bag is guaranteed only to pre-registered participants.

INSTRUCTIONS FOR PAYMENT

Payment of the registration fees can be made as follows:
• **Credit Card** (Visa, Mastercard, Maestro, Moneta)

CANCELLATION POLICY

A 50% refund of the registration fee will be paid ONLY for cancellations notified in writing before **APRIL 2nd, 2023**.
No refund is due for later cancellations.

INVOICING

The invoice will be sent to the address entered during registration at www.startpromotion.it.
Receipt of the invoice will confirm registration.

ACCREDITAMENTO ECM

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Obiettivo nazionale di riferimento:

(3) PERCORSI CLINICO - ASSISTENZIALI/
DIAGNOSTICI/RIABILITATIVI,
PROFILO DI ASSISTENZA - PROFILI DI CURA

Crediti assegnati: 10 crediti ECM per l'anno 2023

Figure Professionali:

- Medico Chirurgo

Discipline di riferimento: Anatomia patologica, Anestesia e Rianimazione, Cardiologia, Genetica medica, Ginecologia e ostetricia, Laboratorio di genetica medica, Neonatologia, Neurochirurgia, Neurofisiopatologia, Neurologia, Neuroradiologia, Neuropsichiatria infantile, Pediatria, Pediatri di libera scelta, Radiodiagnostica

- Biologo

- Infermiere/Infermiere pediatrico

CERTIFICAZIONE ECM

Ai fini dell'ottenimento dei crediti ECM è assolutamente indispensabile compilare in ogni sua parte (in particolare nome e cognome, data e luogo di nascita, codice fiscale e indirizzo e-mail)

Il modulo dati personali, la scheda di valutazione del gradimento ed il questionario di valutazione dell'apprendimento. In caso di compilazione errata, incompleta o incomprensibile, non sarà riconosciuto alcun credito formativo. I partecipanti dovranno registrare la propria presenza in aula ad inizio e fine lavori.

Attenzione: per conseguire i crediti formativi sarà necessario garantire la propria presenza al 90% del tempo totale, rispondere correttamente al 75% delle domande contenute nel questionario di valutazione dell'apprendimento, compilare tutta la modulistica e riconsegnarla al termine del Corso alla segreteria ECM presente in sede.

ACKNOWLEDGEMENTS

We are grateful to the following Companies for their unrestricted contribution to the success of the VGAM Meeting



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THANK YOU!

SEE YOU SOON

