

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:
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ENDORSED BY



DIRECTORS

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SCIENTIFIC COMMITTEE

Andrea Moscatelli
Darren B. Orbach
Dario Paladini
Federico Prefumo
Luca A. Ramenghi
Guillaume Saliou
Maria Savina Severino
and the IGG VGAM Team

ORGANIZING SECRETARIAT

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FACULTY



HOTEL CONTINENTAL
GENOA - ITALY

F. Buffelli - Genoa

S. Buratti - Genoa

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

F. Pasetti - Genoa

M. Pavanello - Genoa

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

- 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*

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

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.



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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 Embryology 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*

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*

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

11.00 *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

Meeting Closing Remarks



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GENERAL INFORMATION



MEETING VENUE

Hotel Continental

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

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OFFICIAL LANGUAGES

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REGISTRATION FEES

Physicians	€ 250,00
Nurses *	€ 150,00
Residents/Students *	€ 150,00

Legal VAT is included

** Pre-registration should be submitted online at **www.startpromotion.it**. During the pre-registration procedure, Nurses and Residents/Students will be required to upload a document proving their status. The meeting bag is guaranteed only to pre-registered participants*

Online pre-registrations should be submitted before **APRIL 23rd, 2023**. Later registrations are possible on-site only.

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.

ONLINE REGISTRATION

Registration must be made online on the websites **www.startpromotion.it**
Please read the instructions carefully before starting your registration/reservation.

INSTRUCTIONS FOR PAYMENT

Payment of the registration fees can be made as follows:

- **Bank transfer** (free of charge for the beneficiary)

To: START PROMOTION S.r.l.

Bank: Banca Intesa San Paolo Spa

IBAN: IT21X0306911310000027269163

SWIFT/BIC CODE: BCITITMM

As payment description please enter: **VGAM 2023, first & family name of registrant.**

- **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

Provider: Start Promotion S.r.l.

Provider standard: ID 622

ID Evento: 380987

Obiettivo nazionale di riferimento:

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

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**

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.





TRAVEL INFORMATION



In front of Principe station



350 metres from Principe underground station



From Cristoforo Colombo airport, you can reach the hotel in 15 minutes by taxi



THANK YOU!

SEE YOU SOON

