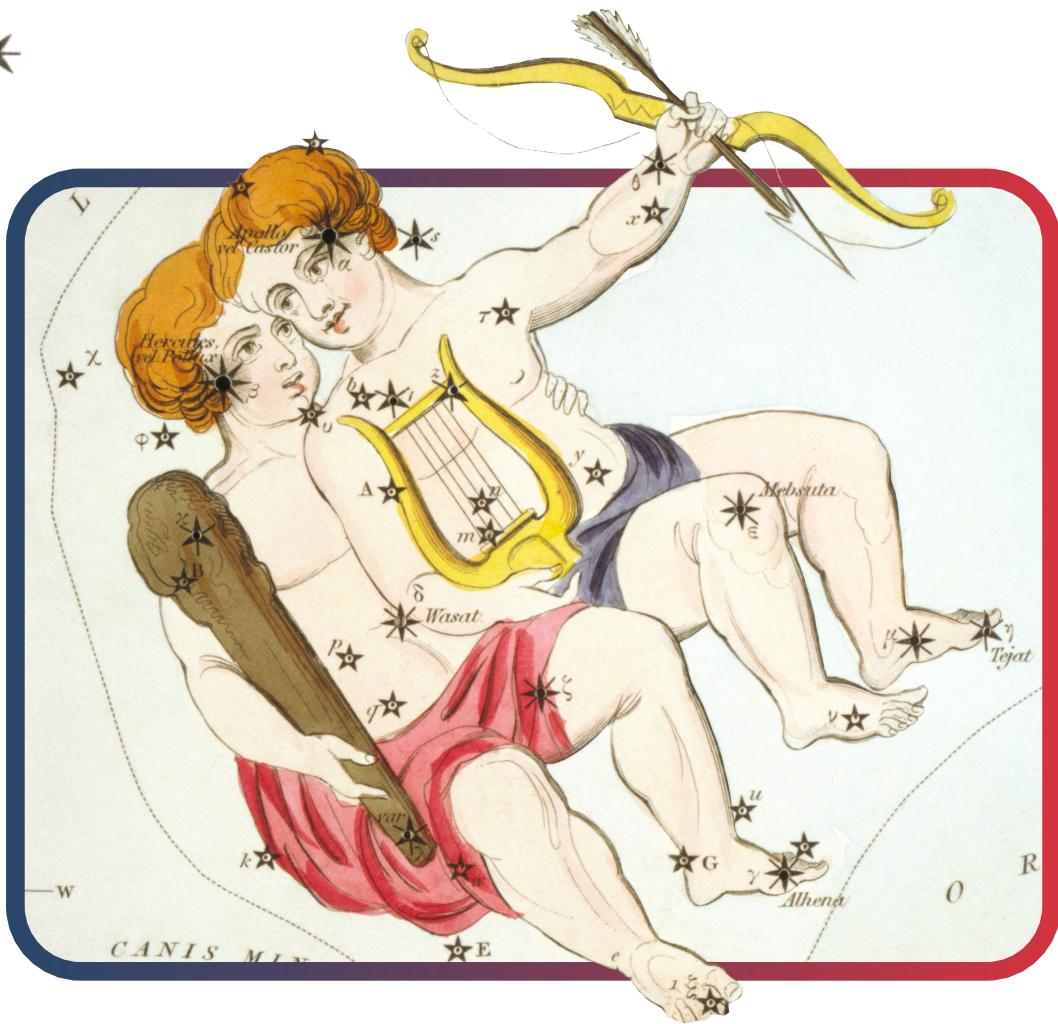




# ADVANCED COURSE ON MONOCHORIONIC MULTIPLE PREGNANCIES

DIAGNOSIS, MANAGEMENT AND FETAL THERAPY

**October**  
**1<sup>st</sup>-2<sup>nd</sup> 2026**  
**MEYER HEALTH CAMPUS**  
**FLORENCE**

**ORGANIZERS:**  
**ENRICO LOPRIORE (THE NETHERLANDS)**  
**RUBEN QUINTERO (USA)**  
**VALENTINA TSIBIZOVA (ITALY)**

PREIS  
SCHOOL



THE INTERNATIONAL  
SCHOOL ON WOMEN'S  
AND NEWBORN'S HEALTH

October 1<sup>st</sup>-2<sup>nd</sup> 2026  
MEYER HEALTH CAMPUS , FLORENCE

**ADVANCED COURSE  
ON MONOCHORIONIC  
MULTIPLE PREGNANCIES**  
DIAGNOSIS, MANAGEMENT AND FETAL THERAPY

**ORGANIZERS:**  
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08:30 | 13:00

**MORNING SESSION**

08:30 | 08:45

**GENERAL INTRODUCTION**

*Gian Carlo Di Renzo, Enrico Lopriore,  
Ruben Quintero, Valentina Tsibizova*

- Welcome and introduction of the international faculty
- Course objectives and structure
- Interactive opening survey

08:45 | 10:20

**MONOCHORIONIC TWINS: GENERAL OVERVIEW**

*Chairpersons: Gian Carlo Di Renzo, Ruben Quintero*

08:45 | 09:05

**Monochorionic twins: an overview**

*Ruben Quintero*

09:05 | 09:30

**Monochorionic placentation and intertwin vascular connections**

*Sophie Groene, Enrico Lopriore*

09:30 | 09:45

**Classification and spectrum of complications in monochorionic multiple pregnancies**

*Mark Kilby*

09:45 | 10:05

**Ultrasound surveillance of monochorionic pregnancies: what should be assessed and when?**

*Valentina Tsibizova*

10:05 | 10:20

**Questions, interactive survey and discussion**

10:20 | 10:40

**Coffee Break**

10:40 | 12:40

**TWIN-TO-TWIN TRANSFUSION SYNDROME**

*Chairpersons: Enrico Lopriore, Valentina Tsibizova*

10:40 | 11:05

**Ultrasound diagnosis of Twin-to-Twin Transfusion Syndrome and diagnostic pitfalls**

*Mark Kilby*

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|                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11:05   11:30                                                                                                                                                                                                                     | Antenatal management and selection of candidates for fetal therapy<br><i>Valentina Tsibizova</i>                                                                                                                                                          |
| 11:30   11:55                                                                                                                                                                                                                     | Neurological morbidity after fetoscopic laser treatment for TTTS (a study of in-utero MRI): outcomes from the Scottish National Registry<br><i>Janice Gibson</i>                                                                                          |
| 11:55   12:20                                                                                                                                                                                                                     | Neonatal management and long-term outcomes after TTTS<br><i>Enrico Lopriore</i>                                                                                                                                                                           |
| 12:20   12:40                                                                                                                                                                                                                     | Interactive clinical case and expert discussion                                                                                                                                                                                                           |
| 12:40   13:40                                                                                                                                                                                                                     | Lunch                                                                                                                                                                                                                                                     |
| <p>13:40   16:00</p> <p><b>FETOSCOPIC LASER THERAPY AND PLACENTAL DYE INJECTION</b><br/> <i>Faculty: Janice Gibson, Sophie Groene, Mark Kilby, Effichia Kontopoulos, Enrico Lopriore, Ruben Quintero, Valentina Tsibizova</i></p> |                                                                                                                                                                                                                                                           |
| 13:40   14:00                                                                                                                                                                                                                     | Surgical variations in the laser treatment of TTTS<br><i>Ruben Quintero</i>                                                                                                                                                                               |
| 14:00   14:20                                                                                                                                                                                                                     | Surgical management of challenging TTTS cases<br><i>Effichia Kontopoulos</i>                                                                                                                                                                              |
| 14:20   14:50                                                                                                                                                                                                                     | Placental dye injection and identification of intertwin anastomoses<br><i>Sophie Groene, Enrico Lopriore</i><br><br><i>Demonstration using one monochorionic placenta; a dichorionic placenta may be used if a monochorionic placenta is unavailable.</i> |

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|                                                                                                                                         |                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 14:50   15:10                                                                                                                           | Fetoscopic laser treatment of TTTS with an anterior placenta: technical modifications and practical solutions<br><i>Mark Kilby</i>            |
| 15:10   15:50                                                                                                                           | Laser simulation: identification and coagulation of placental anastomoses<br><i>Effichia Kontopoulos, Ruben Quintero, Valentina Tsibizova</i> |
| 15:50   16:00                                                                                                                           | Faculty feedback and discussion<br><i>All Faculty</i>                                                                                         |
| 16:00   16:20                                                                                                                           | Coffee Break                                                                                                                                  |
| <p>16:20   18:00</p> <p><b>TWIN ANEMIA-POLYCYTHEMIA SEQUENCE</b><br/> <i>Chairpersons: Effichia Kontopoulos and Enrico Lopriore</i></p> |                                                                                                                                               |
| 16:20   16:45                                                                                                                           | Prenatal diagnosis and staging of TAPS: ultrasound criteria and diagnostic pitfalls<br><i>Effichia Kontopoulos</i>                            |
| 16:45   17:10                                                                                                                           | Treatment of Twin Anemia-Polycythemia Sequence: when and how?<br><i>Janice Gibson</i>                                                         |
| 17:10   17:30                                                                                                                           | Perinatal management, neonatal morbidity and long-term outcomes in TAPS<br><i>Enrico Lopriore</i>                                             |
| 17:30   17:45                                                                                                                           | To Be the Mother of Monochorionic Twins: My Experience with TAPS<br><i>Stephanie Ernst</i>                                                    |
| 17:45   18:00                                                                                                                           | Questions and discussion with the patient representative and faculty                                                                          |



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08:30 | 10:30

## SELECTIVE FETAL GROWTH RESTRICTION

*Chairpersons: Sophie Groene, Ruben Quintero*

|               |                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------|
| 08:30   08:55 | Diagnosis and classification of SIUGR: Controversies<br><i>Effichia Kontopoulos</i>                       |
| 08:55   09:20 | Antenatal surveillance and management of sFGR<br><i>Mark Kilby</i>                                        |
| 09:20   09:45 | Timing of intervention and delivery in selective fetal growth restriction<br><i>Ruben Quintero</i>        |
| 09:45   10:05 | Neonatal management and long-term outcome of monochorionic twins affected by sFGR<br><i>Sophie Groene</i> |
| 10:05   10:30 | Interactive cases, questions and expert discussion                                                        |
| 10:30   11:00 | Coffee Break                                                                                              |

11:00 | 12:30

## FETAL SURGEONS' CASE FORUM CHALLENGING CASES IN MONOCHORIONIC MULTIPLE PREGNANCIES

*Moderators: Effichia Kontopoulos, Enrico Lopriore, Ruben Quintero, Valentina Tsibizova*

Participants are invited to present challenging or unusual cases from their own fetal medicine and fetal surgery centres.

Presentation Format:

- 12 selected clinical cases
- 5 minutes for each case presentation
- Maximum of five slides per case
- Focus on diagnosis, management dilemma, intervention and outcome
- 30 minutes of collective discussion with the international faculty

11:00 | 12:00 Twelve rapid case presentations - 5 minutes each

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12:00 | 12:30



## Faculty panel discussion, clinical recommendations and audience voting

Suggested case categories:

- Early or atypical TTTS
- Recurrent or persistent TTTS after laser treatment
- Residual placental anastomoses
- TAPS before or after laser therapy
- Severe sFGR and difficult timing of delivery
- TRAP sequence
- Monoamniotic twins
- Monochorionic triplets
- Cord complications
- Neurological complications
- Complex fetal anomalies
- Unusual fetal therapy procedures

12:30 | 14:10

## MONOAMNIOTIC TWINS, TRAP, TRIPLETS AND RARE COMPLICATIONS

*Chairpersons: Effichia Kontopoulos, Valentina Tsibizova*

|               |                                                                                                                                                                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12:30   12:50 | Monoamniotic twins: ultrasound diagnosis, surveillance and timing of delivery<br><i>Janice Gibson</i>                                                                                                                                             |
| 12:50   13:10 | Twin Reversed Arterial Perfusion Sequence: when and how should we treat?<br><i>Effichia Kontopoulos</i>                                                                                                                                           |
| 13:10   13:30 | Monochorionic-diamniotic and monoamniotic triplets: ultrasound diagnosis and management<br><i>Mark Kilby</i>                                                                                                                                      |
| 13:30   13:50 | Rare complications in monochorionic multiple pregnancies<br><i>Ruben Quintero</i>                                                                                                                                                                 |
| 13:50   14:10 | Interactive discussion and questions from participants                                                                                                                                                                                            |
| 14:10   14:30 | Course Evaluation and Closing Discussion<br>(Final interactive survey, Key learning points, Participants' feedback, Delivery of diplomas, Closing remarks)<br><i>Gian Carlo Di Renzo, Ruben Quintero, Enrico Lopriore and Valentina Tsibizova</i> |
| 14:30         | Diploma Issued and Lunch                                                                                                                                                                                                                          |

# FACULTY

Gian Carlo Di Renzo (IT)

Janice Gibson (UK)

Sophie Groene (NL)

Mark Kilby (UK)

Eftichia Kontopoulos (USA)

Enrico Lopriore (NL)

Ruben Quintero (USA)

Valentina Tsibizova (IT)

## PATIENT REPRESENTATIVE

Stephanie Ernst (NL)

## INFO

The course will be held in English.

The practical part (ultrasound simulation, laser therapy, and placental staining) will take place in the adjacent Simulation Center at Meyer Health Campus.

The registration fee includes:

access to the scientific sessions, coffee and tea breaks and working lunch, simulation materials, syllabus for the scientific sessions, and a diploma issued by the PREIS School.

**SUPPORTED BY AN UNRESTRICTED EDUCATIONAL GRANT FROM:**



**Location:**

**Meyer Health Campus, Via Cosimo il Vecchio, 26 - Firenze, Italy**

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