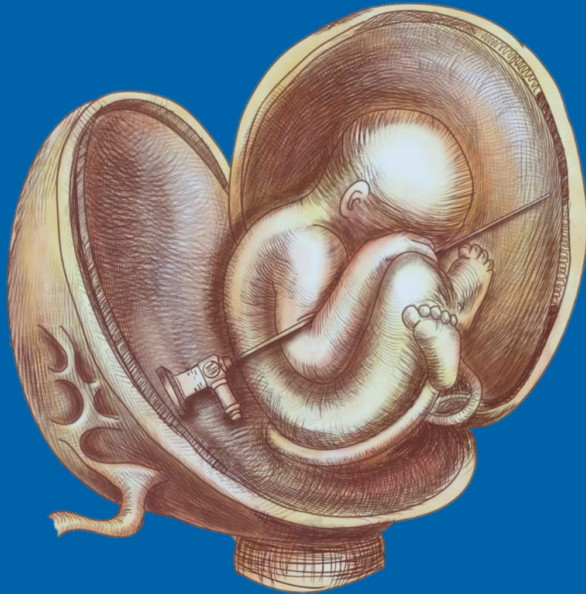


# Latin American Center of Fetal Therapy and Surgery – Colsanitas Clinic - Keralty

## Maternal Fetal Medicine Foundation



## Fetal Therapy and Surgery: Advanced Course

Update and Certification

Organized:

August 26 to 29 2021

Clínica  **Colsanitas**  
 **Fundación**  
**Universitaria Sanitas**

Bogotá, Colombia

Clínica Universitaria Colombia Clínica  
Colsanitas - Keralty

Supported By:

[www.mmfetal.com](http://www.mmfetal.com)

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## Director

### Mauricio Herrera

Maternal Fetal Medicine  
Fetal Therapy  
Fetal Cardiology - Fetal Neurology  
Head Maternal Fetal Medicine Department  
Colsanitas Clinic  
Global CEO Momprenatal  
President of FIMMF  
ISUOG Fellow

## Speakers - Professors

- Mauricio Herrera
- Jaime Arenas
- Mario Rebolledo
- Alexandra Casasbuenas
- Juan Carlos de Leon
- Jennifer Guevara
- Ciro Casadiego
- Juan Javier López
- Equipo Instrumentadoras Centro LATAM Terapia Fetal

### Course Description

Fetal interventions are becoming less invasive and require training and experience for optimal results. The Fetal Therapy Simulation Course provides an excellent opportunity to explore these techniques in detail, to gain hands-on experience with the instruments and procedures, and to receive feedback on a person's performance and avoid complications.

All of our professors are specialists in Maternal Fetal Medicine and perform comprehensive fetal therapy with experience from some of the most important fetal medicine centers in the world.

The procedures will be carried out using maternal and fetal simulation models with maximum resolution and allow a real experience, in turn, during the course participation in the Fetal Therapy Board will be allowed to live in a real way.

This course is suitable for maternal-fetal medicine or fetal medicine specialists who perform fetal interventions. Participants will also be introduced to a network to share and discuss difficult cases in the future.

### Learning Objectives

The main objective of the Master Class in Fetal Therapy and Surgery is to offer an intensive training to the assistants that allows them to understand the techniques of fetal therapy and surgery from the parameters of Maternal Fetal Medicine, starting with the indications, pathologies susceptible to intervention, knowledge of fetoscopy instruments and acquiring the skills to perform validated fetal therapy procedures.

### Specific Objectives

- At the end of the Master Class the participants will be able to:
- Performing invasive ultrasound-guided diagnostic tests such as amniocentesis, villus biopsy
- chorionic, cordocentesis.
- Performing ultrasound-guided fetal therapy and punctures.
- Evaluation, definition and application of fetal shunts.
- To Know and manipulate fetoscopy, laser equipment.
- To Know and manipulate the equipment for laser photocoagulation of planetary vessels.
- To Know and manipulate the equipment for performing endotracheal occlusion in diaphragmatic hernia.
- To Discuss indications for validated fetal therapy
- To Discuss experimental fetal therapy.



## Who should attend

- OBGYN specialist
- Maternal Fetal Medicine specialists
- Fetal Medicine Specialists
- Interventional Radiologist
- 10 especialistas

## Metodology

- Delivery of prior printed material for study
- Master Lectures
- Hands ON Session : Fetal Surgery
- Clinical Cases

## Scientific Program

### Day 1

Thursday, August 26 2021

6.30 – 8.00 International Board in Fetal Medicine: Fetal Surgery Cases

Auditorium Medical Club 13th floor – Clínica Universitaria Colombia – STAFF – **M. Herrera**

- |                            |                       |
|----------------------------|-----------------------|
| - Fetal Hydrops            | - Myelomeningocele    |
| - Diaphragmatic Hernia     | - Placenta Percreta   |
| - Amniotic Band            | - Hydrotorax          |
| - TTTS: Multiple Pregnancy | - Airway Malformation |
| - LUTO                     | - Acardic Twin        |
| - Cord Ligation            |                       |

8.00 – 8.30 Anesthesia in fetal surgery– **J. Guevara**

8.30 – 9.30 Validated fetal therapy – **M. Herrera**

9.30 – 10.30 Ultrasound guided invasive procedures Guidelines – **J. Arenas**

10.30 – 11.30 Diagnostic and therapeutic amniocentesis – **J. Arenas**

11.30 – 12.30 CVS– **JC de Leon**

12.30 – 13.45 Lunch

14.00 – 14.30 Genetic in Fetal Surgery– **J. López**

14.30 - 15.00 EXIT in fetal therapy - **M. Herrera**

15.00 – 18.00 Fetal anatomical Dissection – **CCasadieago–M.Herrera–J.Arenas**

### Day 2

Friday, August 27 2021

7.00 – 8.00 Breakfast – Medical Club – Clínica Universitaria Colombia – **All - STAFF**

8.00 – 8.30 Amniocentesis, CVS, Cordocentesis – Diagnostic technique and Complications –  
**M. Rebolledo**

8.30 - 9.00 Instruments and supplies in fetal surgery- **C. Uriza - J. Meza**

9.00 – 12.00 Amniocentesis , CVS – Cordocentesis y Intrauterine transfusion Hands ON –  
Simulator - Technique - **Fetal Surgery Room–STAFF– M. Herrera**

12.00 – 14.00 Lunch

14.00 – 15.00 Multiple Pregnancy - Complications –  
**A. Casasbuenas**

15.00 – 15.30 Coffe

15.30 – 18.00 Hands ON - Fetoscopy – Selecting the use of fetoscope – Access techniques

Video Tower instrumental - Laser - Fibers - Surgery Rooms – STAFF – **M.Herrera**



## Day 3

**Saturday August 28 2021**

7.00 – 8.00 Breakfast – Medical Club – Clínica Universitaria Colombia – **Todos-STAFF**

8.10 – 9.20 Recognition of placental vessels - TTTS - Acardiac Twin - Technique - Tips and Tricks– **M.Herrera**

9.30 – 11.30 Laser and placental vessels ablation - Recognition of shunts in TTTS and  
Complications in Multiple pregnancy - Hands ON – Simulador – Placental –  
**Fetal Surgery Room – STAFF – M. Herrera**

11.30 – 12.00 Diaphragmatic Hernia – Diagnosis– Evaluation- Fetal Therapy– **C.DeLeón**

12.00 -12.30 Myelomeningocele- Diagnosis - Evaluation - Fetal Therapy- **M. Herrera**

12.30 - 13.45 – Lunch

14.00 – 14.45 Placenta Accreta - Vascular Mapping - Technique and treatment - **M. Herrera - J. Luna**

14.45 - 15.30 Fetal Shunts – LUTO – Hydrothorax - Airway Malformation – **M. Herrera**

15.30 – 16.00 Fetal Shunts Technique – **M.Herrera**

16.00 – 18.00 Shunts – Hands ON - **Fetal Surgery Room-STAFF-M.Herrera**

## Day 4

**Sunday, August 29 2021**

7.00 – 8.00 Breakfast– Medical Club– Clínica Universitaria Colombia – ALL - STAFF

8.00 - 8.30 FETO - Technique - step by step - **M. Herrera**

8.30 – 11.30 FETO – Diaphragmatic Hernia - FETO Technique– Hands ON

**Fetal Surgical Room-STAFF-M.Herrera**

12.30 - 13.45 – Lunch

14.00 – 14.30 Embryonic reduction - Ectopic Pregnancy - CSP – **M.Herrera**

14.30 – 15.00 Intrauterine Transfusion – **J.Arenas**

15.00 – 15.30 Cierre



# Fetal Medicine : Fetal Surgery



Hands ON Session Fetal  
Anatomic Dissection



Hands ON Session  
Amniocentesis – Cordocentesis – CVS



Hands ON Session  
Fetoscopy – Placental Laser



Hands ON Session Fetal Shunts

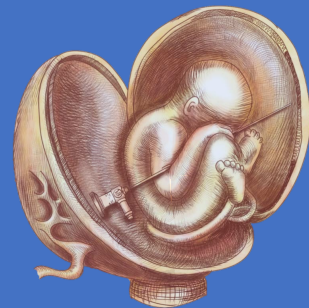


Hands ON Session  
Diaphragmatic Hernia– FETO -

Myelomeningocele



# Fetal Medicine: Fetal Surgery



## Registry

	Before August 15 2021	After August 15 2021
Specialist	3000 USD	3500 USD
Trainees	2500 USD	3000 USD

The rates are in US dollars, you must pay the value in exchange for the dollar per day in Colombia. Before making your payment you must send your CV to be accepted.

Your registry include

- Syllabus and study material.
- Breakfasts and lunches.
- Attendance at the International Board of Maternal Fetal Medicine.
- Hands ON Sessions in: Amniocentesis, Cordocentesis, Chorionic Villus Biopsy, Laser in Fetal Medicine, Fetal Surgery and Fetoscopy Instruments, Fetal Diversions.
- Participation in Live Cases of Fetal Therapy.

**For Registry you have to write an email to: [lufjimenez@colsanitas.com](mailto:lufjimenez@colsanitas.com), with your application and CV. By answer you will receive the acceptance and the instruction for the payment.**

[www.mmfetal.com](http://www.mmfetal.com)

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