



FETAL MEDICINE
BARCELONA




fetal iD
EDUCATION
BARCELONA

INVASIVE PROCEDURES IN MATERNAL-FETAL MEDICINE

October 20th – 23rd, 2026



A man with glasses and a beard, wearing a light blue button-down shirt, is standing in a room with large windows. He is looking towards two women. One woman has long dark hair and is wearing a red jacket. The other woman has her hair in a bun and is wearing a light-colored top. They appear to be in a professional setting, possibly a classroom or meeting room.

Don't miss the first **HANDS-ON** simulation-based course on invasive procedures in maternal-fetal medicine.

This innovative program allows you to learn and practice from leading specialists in fetal medicine and therapy while practicing with state-of-the-art simulators for a realistic, immersive experience.

BECOME A LEADING EXPERT IN YOUR FIELD!

[Preregister](#)

WHO IS THIS COURSE FOR?

This course is aimed at Obstetrics & Gynecology specialists with interest in Maternal-Fetal Medicine, who seek to acquire, update, and refine all the skills necessary to perform invasive procedures in pregnant patients with precision, ensuring both maternal and fetal safety.

A FULLY HANDS-ON PROGRAM



SMALL LEARNING GROUPS

This four-day intensive course is designed to provide participants not only with theoretical knowledge and essential attitudes, but above all, with the technical skills required to perform invasive procedures in maternal-fetal medicine.

Upon completion of the course, students will be able to:

- Select the appropriate procedure based on the clinical characteristics of each case.
- Understand the advantages and limitations of each technique.
- Master the technical skills necessary for their execution.
- Adopt professional attitudes that ensure these procedures are performed ethically and safely.

All this will be achieved through theoretical sessions focused on relevant clinical practice aspects, combined with intensive practical sessions in a realistic simulation environment, under the the guidance of experts in fetal medicine and therapy from FMB, ensuring a hands-on, transformative learning experience.



The course is exclusively designed for a maximum of 16 participants, divided in small groups of 4 or 5.

Sessions will be divided into 4 modules:

Module 1

Indications and procedures for invasive fetal testing

Materials and equipment required for invasive procedures

Technical considerations for performing amniocentesis

Technical considerations for performing chorionic villus sampling

Simulation:
Amniocentesis I
Transabdominal chorionic villus sampling
Transvaginal chorionic villus sampling

Module 2

Obtaining effective informed consent

Invasive procedures in multiple pregnancies

Vertical transmission in invasive procedures: key considerations

Technical considerations for amniodrainage

Non-tubal ectopic pregnancy: minimally invasive treatment

Management of complications resulting from invasive procedures (previabile premature rupture of membranes)

Simulation:
Amniocentesis II
Amniodrainage
Cervical ectopic pregnancy

Module 3

Technical considerations for fetal anesthesia

Technical considerations for cordocentesis/Intrauterine transfusion:

Technical aspects for Fetal puncture

Selective termination in dichorionic twin pregnancies

Simulation:
Fetal anesthesia
Fetal puncture
Cordocentesis
Intrauterine transfusion

Module 4

Competency assessment

[More information](#)

Meet our internationally recognized experts in maternal-fetal medicine — pioneers with extensive experience in invasive procedures and fetal therapy, and opinion leaders in their field.

Course Direction Team



Eduard Gratacós

Director of BCNatal (Hospital Clínic and Sant Joan de Déu) and professor of the University of Barcelona. An expert in fetal medicine and surgery, he has participated in the design of new techniques and has performed more than 1,800 procedures. Editor-in-Chief of Fetal Diagnosis & Therapy 2008-2021.

Francesc Figueras

Head of Maternal-Fetal Medicine at Hospital Clínic and coordinator of the Maternal and Obstetric Pathology Department at BCNatal (which integrates maternal-fetal medicine services of Hospital Clínic and Sant Joan de Déu). Head of the Fetal Growth and Preeclampsia Unit at both centers.



Mar Bennasar

Consultant physician of the Department of Maternal-Fetal Medicine at Hospital Clínic in Barcelona, specialized in fetal echocardiography and fetal therapy. She has over 15 years of experience in prenatal diagnosis, fetal therapy and surgery, and is a regular speaker at national courses and conferences.

Josep Maria Martínez

Head of the Fetal Medicine Section and Coordinator of Fetal Medicine and Therapy at BCNatal (Hospital Clínic and Sant Joan de Déu). He has over 20 years of experience and has performed more than 1,500 fetal surgeries.



Competency evaluation examination

On the last day of the course, a formative assessment of the skills acquired will be carried out, which will include the use of simulators for real-world scenarios, evaluating the students' knowledge, skills, and professional attitudes.

Certificate

A certificate for completion of the Invasive Procedures in Maternal-Fetal Medicine Course will be awarded by Fetal Medicine Barcelona.



RESERVE YOUR PLACE AND COME TO BARCELONA TO LEARN FROM THE BEST

CONTACT US:

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The third edition of the Invasive Procedures in Maternal-Fetal Medicine Course will take place in October 2026 in Barcelona, Spain. All sessions will be in-person and include practical exercises and simulations with maternal-fetal simulators designed by our team. Places are limited and registrations will be processed on a first-come, first-served basis.

Leave us your details to receive all the relevant information. We will send you the scientific program for all modules, dates, price, and practical information to plan your stay in Barcelona.



Preregister

More information