



PART 1

NOVEMBER 21, 2020 | 10:00 AM–5:30 PM ET

PART 2

DECEMBER 12, 2020 | 10:00 AM–4:30 PM ET

Maternal-Fetal Medicine

Valuable Ultrasound Specialty Education & CME Opportunities!

AIUM leaders from the Fetal Echocardiography, Obstetric Ultrasound, and Basic Science & Instrumentation communities will present a comprehensive two-part program on the latest advances in Maternal and Fetal Medicine through a series of lectures, simple and advanced image reviews, case presentations, and live Q&A sessions. Attendees who participate in both parts 1 and 2 of these full-day programs can **earn up to 10.5 CME credits (5.5 for Part 1 and 5 for Part 2)**.

SCHEDULE

(All times are listed in Eastern Standard Time)

PART 1: SATURDAY, NOVEMBER 21

Fetal Cardiac Screening: Basic Views and Checklists

Learning Objectives:

- Name and recognize the 5 essential views for cardiac screening;
- Recognize common normal variants of cardiac anatomy; and
- Recognize abnormal screening views and when to refer.

10:00 am–10:05 am: Introduction

Celeste Sheppard, MD, FACOG

10:05 am–10:20 am: 4CV and Checklist

Celeste Sheppard, MD, FACOG

10:20 am–10:35 am: All About Outflow Tracts

Alfred Abuhamad, MD, FAIUM

10:35 am–10:50 am: The Three-Vessel Trachea View

Tracy Anton, BS, RDMS, RDCS, FAIUM

10:50 am–11:00 am: Question and Answer

Celeste Sheppard, MD, FACOG

Read My Mind! Watch the Experts Read the Fetal Cardiac Images (Simple Cases)

Learning Objectives:

- Appreciate the nuances of subtle abnormalities in fetal hearts;
- Recognize the role of physiology in interpretation of fetal echo images; and
- Critique missing information on a fetal cardiac exam.

11:15 am–11:20 am: Introduction

Celeste Sheppard, MD, FACOG

11:20 am–12:00 pm: Read My Mind: Case Presentations & Approach to Diagnosis

Rabih Chaoui, MD

12:00 pm–1:00 pm: Break

Get with the Guidelines! What's New in Fetal Echocardiography

Learning Objectives:

- Understand the indications for fetal echo in the AIUM Practice Parameter;
- Review and discuss updated exam components of the AIUM Fetal Echo Practice Parameter; and
- Adhere to reporting and documentation requirements according to the AIUM Fetal Echo Practice Parameter.

1:00 pm–1:05 pm: Introduction

Tracy Anton, BS, RDMS, RDCS, FAIUM

1:05 pm–1:20 pm: Indications for Fetal Echocardiography

Anita Moon-Grady, MD, FAAP, FACC, FASE, FAIUM

1:20 pm–1:35 pm: The Exam

Elena Sinkovskaya, MD, PhD, RDMS, RDCS, FAIUM

1:35 pm–1:50 pm: The Report and Everything Else

Wesley Lee, MD, FAIUM

REGISTER TODAY!

1:50 pm–2:00 pm: Question and Answer

Tracy Anton, BS, RDMS, RDCS, FAIUM

Read My Mind: Watch the Experts Read Fetal Echos (Advanced Cases)

Learning Objectives:

- Understand the indications for fetal echo in the AIUM Practice Parameter;
- Review and discuss updated exam components of the AIUM Fetal Echo Practice Parameter; and
- Adhere to reporting and documentation requirements according to the AIUM Fetal Echo Practice Parameter.

2:15 pm–2:20 pm: Introduction

Elena Sinkovskaya, MD, PhD, RDMS, RDCS, FAIUM

2:20 pm–3:00 pm: Systematic Evaluation of the Complex Cardiac Anomaly

Julene Carvalho, MD, PhD, FRCPC

Teamwork: Real-Life Cases of Multidisciplinary Perinatal Care

Learning Objectives:

- Discuss management and counseling of patients who may benefit from prenatal or immediate postnatal intervention;
- Recognize & anticipate fetal diagnoses that can progress during pregnancy; and
- Understand multidisciplinary strategies for coordinating complex, collaborative care.

3:15 pm–3:20 pm: Introduction

Elena Sinkovskaya, MD, PhD, RDMS, RDCS, FAIUM

3:20 pm–3:45 pm: Case Presentations: MFM Counseling and Obstetric Management

Alfred Abuhamad, MD, FAIUM

3:45 pm–4:10 pm: Case Presentations: Prenatal and Postnatal Interventions

Wayne Tworetzky, MD

4:10 pm–4:15 pm: Question and Answer

Elena Sinkovskaya, MD, PhD, RDMS, RDCS, FAIUM

Training and Accreditation: What's New?

Learning Objectives:

- Review and discuss the new AIUM Practice Parameters for fetal echocardiography;
- Review and discuss the new AIUM Practice Parameter for the detailed first-trimester scan; and
- Review and discuss AIUM documentation requirements.

4:30 pm–4:35 pm: Introduction

Tracy Anton, BS, RDMS, RDCS, FAIUM

4:35 pm–4:50 pm: What's New in Fetal Echocardiography (according to the AIUM Practice Parameter)

Tracy Anton, BS, RDMS, RDCS, FAIUM

4:50 pm–5:05 pm: What's New in OB?

Bryann Bromley, MD, FAIUM

5:05 pm–5:20 pm: What's New in Documentation?

David Jones, FAIUM

5:20 pm–5:30 pm: Question and Answer

Tracy Anton, BS, RDMS, RDCS, FAIUM

PART 2: SATURDAY, DECEMBER 12

Imaging the Future of Obstetrics Through the Lens of Preterm Birth I

Learning Objectives:

- Describe the technique for transvaginal ultrasound measurement of the cervix, as well as its value and shortcomings;
- Discuss why assessing tissue elasticity and viscoelasticity is critical to comprehensive evaluation of biological tissues; and
- Explain why solving complex clinical problems, such as preterm birth, will require cooperation between many areas of basic and clinical sciences.

10:00 am–10:05 am: Introduction

Jude Crino, MD, FAIUM

10:05 am–10:20 am: How, Why, and When to Measure Cervical Length

Joanne Stone, MD, MSHCDL

10:20 am–10:35 am: Quantitative Ultrasound Evaluation of Pregnancy Tissues

Helen Feltovich, MD, MS

10:35 am–10:50 am: Elasticity, Viscosity, and Dispersion: What the Clinician Needs to Know

Ivan Rosado-Mendez, PhD

10:50 am–11:00 am: Question and Answer

Jude Crino, MD, FAIUM

Imaging the Future of Obstetrics Through the Lens of Preterm Birth II

Learning Objectives:

- Describe how biomechanical modeling can identify how multiple pregnancy tissues contribute to both maintaining a fetus in utero and facilitating its delivery;
- Discuss artificial intelligence/ machine learning approaches to analyzing obstetric imaging, and other, biomarkers; and
- Explain why solving complex clinical problems, such as preterm birth, requires cooperation between many areas of basic and clinical sciences.

11:15 am–11:20 am: Introduction

Tim Hall, PhD, FAIUM

REGISTER TODAY!

Note: This series is being offered as a live online event only. A recording will not be available.

11:20 am–11:35 am: Using AI and Machine Learning to Mine Imaging Data

Aris Papageorghiou, MD, FRCOG, FAIUM

11:35 am–11:50 am: Future Solutions to the Ancient Problem of Preterm Birth

Michael House, MD

11:50 am–12:05 pm: Toward a Comprehensive Picture of Pregnancy Tissues Through Combining B-mode and Quantitative Ultrasound with Finite Element Modeling

Kristin Myers, PhD

12:05 pm–12:15 pm: Question and Answer

Tim Hall, PhD, FAIUM

12:15 pm–1:00 pm: Break

How is 3D/4D Ultrasound Imaging Utilized in Prenatal Diagnosis

Learning Objectives:

- Gain an understanding of volume imaging and the important role it plays in imaging the fetal brain, face, and heart; and
- List imaging techniques for imaging the fetal brain, face, and heart.

1:00 pm–1:05 pm: Introduction

Mishella Perez, BS, RDMS, RDCS

1:05 pm–1:20 pm: Fetal CNS

Dolores Pretorius, MD, FACR, FAIUM, FSRU

1:20 pm–1:35 pm: Fetal Face

Mishella Perez, BS, RDMS, RDCS

1:35 pm–1:50 pm: Fetal Heart

Gregory Devore, MD, FACOG, FAIUM

1:50 pm–2:00 pm: Question and Answer

Mishella Perez, BS, RDMS, RDCS

Just Images: Test Your Skills in Prenatal Diagnosis

Learning Objectives:

- Identify abnormalities seen in the fetal anatomic evaluation in the first and second/third trimesters;
- Describe normal anatomic structures and avoid imaging pitfalls; and
- Apply skills learned in screening and prenatal diagnosis of ultrasound defects.

2:15 pm–2:20 pm: Introduction

Arij Faksh, DO

2:20 pm–2:40 pm: First-Trimester Anomalies and Pathology

Reem Abu-Rustum, MD, FACOG, FACS, FAIUM, and Kendra Sylvester-Armstrong, MD

2:40 pm–3:00 pm: 2nd- & 3rd-Trimester Anomalies and Pathology

Timothy Canavan, MD, MSc, FAIUM

3:00 pm–3:15 pm: Question and Answer

Arij Faksh, DO

Case Presentations: Complex Fetal Malformations and Syndromes

Learning Objectives:

- Review images and findings for complex anomaly syndromes, including imaging pearls; and
- Describe the approach to complex fetal anomaly evaluation and management.

3:30 pm–3:35 pm: Introduction

Joan Mastrobattista, MD

3:35 pm–3:50 pm: Fetal CNS: Posterior Fossa Abnormalities

Ana Monteagudo, MD, RDMS, FAIUM

3:50 pm–4:05 pm: Fetal Skeleton & Limb Disorders

Anne Kennedy, MB, BCh, BAO, FAIUM

4:05 pm–4:20 pm: Fetal Genitourinary

Luis Goncalves, MD

4:20 pm–4:30 pm: Question and Answer

Joan Mastrobattista, MD

REGISTRATION FEES

Part 1—Saturday, November 21

- **Members:** \$200
- **Nonmembers:** \$450

Part 2—Saturday, December 12

- **Members:** \$200
- **Nonmembers:** \$450

*Both Series—BEST SAVINGS!**

- **Members:** \$350
- **Nonmembers:** \$850

REGISTER TODAY!

Join the AIUM and Save!

[Become a member today](#) to receive discounted registration on this and upcoming online lecture series sessions and hundreds of other educational opportunities in our new [Online Learning Center](#).

*Must register by November 21 to receive this deal.

Note: This series is being offered as a live online event only. A recording will not be available.