



Photo courtesy of Beryl R. Benacerraf, MD.

39TH ANNUAL Advanced Ultrasound Seminar: OB/GYN

February 18–20, 2016

Disney's Yacht & Beach Club Resorts
Lake Buena Vista, Florida

Preconference Workshops

Wednesday, February 17, 2016

Principles of Sonography and Doppler Ultrasound

Frederick W. Kremkau, PhD

First-Trimester Risk Assessment Course

(Including the Nuchal Translucency Quality Review

(NTQR) Program Required Education)

Bryann Bromley, MD

Charlotte Henningsen, MS, RT(R), RDMS, RVT

Jean Lea Spitz, MPH, CAE, RDMS

Program Codirectors

Lennard D. Greenbaum, MD

Frederick W. Kremkau, PhD

Guest Faculty

Rochelle Andreotti, MD

Bryann Bromley, MD

Beverly Coleman, MD

James Shwayder, MD, JD

Ilan Timor-Tritsch, MD

Paula Woodward, MD

*"Overall excellent course – well organized,
great venue/location, excellent lectures which
are clinically relevant." –2015 Course Attendee*

Earn up to 14.5 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or 14.5 ARRT Category A Credits.

The American College of Obstetricians and Gynecologists has assigned 14.5 cognate credits to this program.



In Collaboration With



www.aium.org

Faculty

Program Codirectors

Lennard D. Greenbaum, MD

Past President, AIUM

Codirector

The Hughes Center for Fetal Diagnostics
Winnie Palmer Hospital for Women & Babies
Orlando Health
Orlando, FL

Frederick W. Kremkau, PhD

Past President, AIUM

Codirector

Professor and Director, Program for Medical
Ultrasound
Center for Applied Learning
Wake Forest School of Medicine
Winston-Salem, NC

97% of last year's
registrants would
recommend this
course to a
colleague



Photo courtesy of Beryl R. Benacerraf, MD.

Faculty

Rochelle Andreotti, MD

Professor of Clinical Radiology and Radiological
Sciences

Professor of Clinical Obstetrics and Gynecology
Vanderbilt University School of Medicine
Nashville, TN

Bryann Bromley, MD

Massachusetts General Hospital

Ob/Gyn Diagnostics Ultrasound Associates
Boston, MA

Beverly Coleman, MD

Director of Fetal Imaging

The Children's Hospital of Philadelphia
Philadelphia, PA

Charlotte Henningsen, MS, RT(R), RDMS, RVT

Chair and Professor, Sonography Department
Adventist University of Health Sciences
Orlando, FL

James Shwayder, MD, JD

Professor and Chair

Department of Obstetrics and Gynecology
University of Mississippi Medical Center
Jackson, MS

Ilan Timor-Tritsch, MD

Professor of Obstetrics and Gynecology

Director, Obstetric and Gynecologic

Ultrasound Unit

New York University
New York, NY

Jean Lea Spitz, MPH, CAE, RDMS

Executive Director

Perinatal Quality Foundation

Professor Emeritus, University of Oklahoma
Oklahoma City, OK

Paula Woodward, MD

Professor, Department of Radiology

University Hospital

University of Utah Health Care

Department of Radiology

Salt Lake City, UT

39th Annual

Advanced Ultrasound Seminar: *Ob/Gyn*

Course Description

An intense 3-day seminar will be presented to illustrate the latest principles and techniques in obstetric and gynecologic ultrasound. The topics will be presented by leaders in the field of diagnostic ultrasound. Commercial exhibits will display state-of-the-art ultrasound equipment, supplies, and educational materials.

Course Objectives

At the conclusion of this CME activity, participants should be better able to:

- Address current issues and concerns in the use of clinical and technical ultrasound;
- Compare and relate ultrasound knowledge and skills with peers; and
- Practice the latest instrumentation and techniques in obstetric and gynecologic ultrasound.

Target Audience

This course is designed to meet the needs of physicians, sonographers, and other health care providers who use obstetric and gynecologic ultrasound.

This activity addresses the following learner attributes:

- Patient care and procedural skills;
- Medical knowledge; and
- Practice-based learning and improvement.

This course is designed to change competence and performance.

96% of last year's attendees gave this CME activity a good to excellent rating for meeting their educational needs.



Preconference Workshops (Optional)

Wednesday, February 17, 2016

Principles of Sonography and Doppler Ultrasound

8:00 AM–12:00 PM

Earn up to 3.75 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or 3.75 ARRT Category A Credits.

This refresher and update is presented by Frederick W. Kremkau, PhD, professor and director of the Program for Medical Ultrasound at Wake Forest School of Medicine, past president of the AIUM, and author of *Diagnostic Ultrasound Principles and Instruments*, now in its ninth edition.

This workshop covers the major topics involved in how modern ultrasound imaging and Doppler ultrasound work. Recent technological advances are included.

The course serves 3 purposes:

1. It provides an introduction for participants who are new to the field;
2. It provides a review and update of recent technological advances for practicing physicians, sonographers, and other health professionals; and
3. It provides a brief review for participants preparing for the Sonography Principles and Instrumentation examination administered by the American Registry for Diagnostic Medical Sonography.

At the conclusion of this activity, participants should be better able to:

- Explain how ultrasound interacts with tissue, how transducers work, and how sonographic and Doppler instruments produce displays from echoes;
- Discuss how these principles apply to clinical practice; and
- Recognize and manage common artifacts.

All lectures presented by Frederick W. Kremkau, PhD

Schedule

7:30 AM–8:00 AM	Registration and Continental Breakfast
8:00 AM–10:00 AM	Principles of Sonography Ultrasound Transducers Instruments Artifacts
10:00 AM–10:15 AM	Break
10:15 AM–11:45 AM	Doppler Principles Doppler Effect Color Doppler Instruments Spectral Doppler Instruments Artifacts
11:45 AM	Questions and Answers
12:00 PM	Adjourn

Preconference Workshops *(Optional)*

Wednesday, February 17, 2016

First-Trimester Risk Assessment Course

1:00 PM–5:00 PM

Earn up to 3.75 AMA PRA Category 1 Credits™ (accepted by the ARDMS) or 3.75 ARRT Category A Credits.

Recent developments in prenatal genetic testing, including the availability of cell-free DNA (cfDNA) analysis for noninvasive prenatal testing (NIPT), expanded carrier screening, as well as the introduction of chromosomal microarray analysis (CMA), have brought about significant changes in prenatal genetic testing. Nuchal translucency (NT) measurement in association with first-trimester biochemistry has been shown to be an excellent screening modality for chromosomal abnormalities in the fetus and is expected to remain an important first-line test. The Perinatal Quality Foundation (<http://www.perinatalquality.org>) recognizes the need for quality assurance in the area of first-trimester risk assessment and presents this educational course with the AIUM. This program is designed for physicians, sonologists, and sonographers. It presents a broad overview of first-trimester risk assessment and meets the educational course requirement component of credentialing by the Nuchal Translucency Quality Review Program (NTQR).

At the conclusion of this CME activity, the participant should be better able to:

1. Interpret the evidence related to first-trimester risk assessment.
2. Discuss screening paradigms and how cell-free DNA testing impacts current protocols.
3. Review example cases of first-trimester screening including NT and fetal anatomy imaging integrated with analytes and second-trimester options.
4. Review sonograms of first-trimester fetal structural anatomy.
5. Implement recommendations of ACOG Practice Bulletin #77 in a variety of practice settings.
6. Recognize appropriate criteria for NT measurements and nasal bone visualization.

Jean Lea Spitz, MPH, CAE, RDMS

Executive Director
Perinatal Quality Foundation
Professor Emeritus, University of Oklahoma
Oklahoma City, OK

Charlotte Henningsen, MS, RT(R), RDMS, RVT

Chair and Professor, Sonography Department
Adventist University of Health Sciences
Orlando, FL

Bryann Bromley, MD

Massachusetts General Hospital
Ob/Gyn Diagnostics Ultrasound Associates
Boston, MA

- Lecture 1: Screening Principles
- Lecture 2: Technical Aspects of First-Trimester Screening
- Lecture 3: Follow-up and Confirmatory Testing
- Lecture 4: Early Anatomic Screening
- Lecture 5: Quality Assessment as a Credentialed Provider
- Lecture 6: Applying Screening Principles as a Credentialed Provider (case studies)

Preliminary Program Schedule

Thursday, February 18, 2016

7:00 AM–7:50 AM

Breakfast

7:50 AM–8:00 AM

Welcome

Lennard D. Greenbaum, MD, Frederick W. Kremkau, PhD

8:00 AM–8:40 AM

The Early Anatomic Scan: Beyond the NT and Nasal Bone

Bryann Bromley, MD

8:40 AM–9:20 AM

The Terrible Twos: Complication of Twinning

Paula Woodward, MD

9:20 AM–10:00 AM

Genetic Sonography After First-Trimester Risk Assessment and Cell Free DNA

Bryann Bromley, MD

10:00 AM–10:15 AM

Questions and Answers

Drs. Bromley and Woodward

10:15 AM–10:45 AM

Refreshment Break in Exhibit Hall

10:45 AM–11:25 AM

The Fetal Musculoskeletal System: Watch the Hands and Feet

Beverly Coleman, MD

11:25 AM–12:05 PM

Differential Diagnosis of Cystic Abdominal Masses

Paula Woodward, MD

12:05 PM–12:45 PM

Fetal Thoracic Abnormalities Other Than the Big 3

Beverly Coleman, MD

12:45 PM–1:00 PM

Questions and Answers

Drs. Coleman and Woodward

1:00 PM

Adjourn

Friday, February 19, 2016

7:00 AM

Breakfast

7:30 AM

Principles Tune-up: How Sharp Are You? Imaging

Frederick W. Kremkau, PhD

8:00 AM–8:40 AM

The Cerebellar Vermis Made Simple

Ilan Timor-Tritsch, MD

8:40 AM–9:20 AM

Fetal Tumors

Paula Woodward, MD

9:20 AM–10:00 AM

Clues and Pearls From the OB US Examination:

Completing the Picture When There is Congenital Heart Disease

Beverly Coleman, MD

10:00 AM–10:15 AM

Questions and Answers

Drs. Timor-Tritsch, Woodward, and Coleman

10:15 AM–10:45 AM

AM Refreshment Break in Exhibit Hall

10:45 AM–11:25 AM

Borderline Findings in Obstetrical Sonography

Bryann Bromley, MD

11:25 AM–12:05 PM

Ultrasound in the Diagnosis of Ectopic Pregnancy and PUL

James Shwayder, MD, JD

12:05 PM–12:45 PM

Ultrasound and MRI Criteria to Diagnose Placental Adherence Disorders

Ilan Timor-Tritsch, MD

12:45 PM–1:00 PM

Questions and Answers

Drs. Bromley, Shwayder, and Timor-Tritsch

1:00 PM

Adjourn

Saturday, February 20, 2016

7:00 AM

Breakfast

7:30 AM

Principles Tune-up: How Sharp Are You? Doppler

Frederick W. Kremkau, PhD

8:00 AM–8:40 AM

Acute Pelvic Pain in Gynecology

Rochelle Andreotti, MD

8:40 AM–9:20 AM

Uterine AV Malformations: More Common Than We Think

Ilan Timor-Tritsch, MD

9:20 AM–10:00 AM

Chronic Pelvic Pain in Gynecology

Rochelle Andreotti, MD

10:00 AM–10:15 AM

Questions and Answers

Drs. Andreotti and Timor-Tritsch

10:15 AM–10:45 AM

Refreshment Break in Exhibit Hall

10:45 AM–11:20 AM

Sonohysterography and Sonosalpingography

James Shwayder, MD, JD

11:20 AM–12:05 PM

Problem Solving With 3D Sonography of the Uterus and Adnexa

Rochelle Andreotti, MD

12:05 PM–12:45 PM

Ultrasound in the Evaluation of Abnormal Uterine

Bleeding

James Shwayder, MD, JD

12:45 PM–1:00 PM

Questions and Answers

Drs. Shwayder and Andreotti

1:00 PM

Adjourn



© Disney

Conference Location

Disney's Yacht and Beach Club Resorts
Convention Center
1750 Epcot Resorts Blvd
Lake Buena Vista, FL 32830 USA

Accommodations

Disney's Yacht and Beach Club Resorts
1750 Epcot Resorts Blvd
Lake Buena Vista, FL 32830 USA

Special group rates starting at \$213 per night plus tax.

Call 407-939-4686

Mention you are with the AIUM Conference. This will allow you to get the special conference rate.

Reservations

A block of rooms has been reserved from February 16–20, 2016, on a first-come, first-served basis. The block will be held until Friday, January 22, 2016 or until rooms sell out. The hotel has sold out in the past, so we encourage you to reserve your room as soon as possible. Reservations made after this date will be based on space and rate availability.

Transportation

Air

The Orlando International Airport is located approximately 23 miles from the Disney's Yacht and Beach Club Resorts.

Ground

Hotel shuttles and rental cars from the airport are available on Level 1 in addition to *Disney's Magical Express*® Transportation service listed below.

***Disney's Magical Express*® Transportation**

This exclusive complimentary shuttle and luggage delivery service conveniently takes you from the airport to your Walt Disney World Resort Hotel. After obtaining a confirmed room reservation, call 407-939-6244.

Special Discounted Disney Park Tickets

<https://goo.gl/dnlQQE>

Questions? Call the AIUM at 800-638-5352 or 301-498-4100

Continuing Medical Education (CME) Information

Accreditation Statement

The American Institute of Ultrasound in Medicine (AIUM) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide CME activities for physicians.

Designation Statement

Seminar

The AIUM designates this live activity for a maximum of 14.5 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the live activity.

Workshops

The AIUM designates this live activity for a maximum of 7 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the live activity.

- Up to 3.75 *AMA PRA Category 1 Credits*[™] for Principles of Sonography and Doppler Ultrasound (optional workshop).
- Up to 3.75 *AMA PRA Category 1 Credits*[™] for the First-Trimester Risk Assessment Course (optional workshop).

American College of Obstetricians and Gynecologists (ACOG)

The American College of Obstetricians and Gynecologists has assigned 14.5 cognate credits to this program.

Credits for Sonographers

Sonographers participating in AIUM educational activities may earn credits toward maintaining their professional certification from the following organizations:

American Registry for Diagnostic Medical Sonography (ARDMS)

The ARDMS accepts *AMA PRA Category 1 Credits*[™].

American Registry of Radiologic Technologists (ARRT)

Seminar

The AIUM is a Recognized Continuing Education Evaluation Mechanism (RCEEM) for the ARRT. This educational activity is approved by the AIUM for 14.5 ARRT Category A Credits.

Workshops

The AIUM is a Recognized Continuing Education Evaluation Mechanism (RCEEM) for the ARRT. This educational activity is approved by the AIUM for 7 ARRT Category A Credits.

- Up to 3.75 ARRT Category A Credits for Principles of Sonography and Doppler Ultrasound (optional workshop).
- Up to 3.75 ARRT Category A Credits for the First-Trimester Risk Assessment Course (optional workshop).

Disclosure Policy

As a provider accredited by the ACCME, the AIUM must ensure balance, independence, objectivity, and scientific rigor in all its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place.

Disclaimer

The information presented in this activity represents the opinions of the faculty and is not necessarily the official position of the AIUM.

Documenting CME Credits

The AIUM provides CME certificates to those who have participated in an AIUM educational activity. The AIUM does not submit credits to regulation bodies or certifying organizations on behalf of the participant. It is the participant's responsibility to submit proof of credits on his or her own behalf.

This product or service is not affiliated with and/or endorsed by the ARDMS.



Disney's Beach Club Resort at night

39TH Annual**Advanced Ultrasound Seminar:
Ob/Gyn****February 18–20, 2016****Register at www.aium.org****"Outstanding faculty. Each speaker is excellent..."** – Attendee at last year's course**"All great information...! I enjoy this course immensely."**

– Attendee at last year's course

Registration Fees**Optional Workshops (Wednesday, February 17, 2016)*****Principles of Sonography and Doppler Ultrasound* | 8:00 AM–12:00 PM**

Member	Nonmember
\$125	\$175

***Nuchal Translucency Credentialing Course* | 1:00 PM–4:00 PM**

	Member	Nonmember
Physician	\$350*	\$450*
Sonographer	\$300*	\$375*

*The above fee includes charges to become certified by the NTQR (www.ntqr.org) when electronic images are submitted. If hard copy images are submitted, there will be an additional \$20 charge payable to the NTQR.

Main Seminar (Thursday, February 18 – Saturday, February 20, 2016)

	Member	Nonmember
Physician	\$650	\$775
Resident	\$550	\$650
Nonphysician	\$550	\$650
One day**	\$250	\$300

**Please select only 1: Thursday, Friday, Saturday

Main seminar registration fee includes breakfast and refreshment breaks on Thursday, Friday, and Saturday. An ELECTRONIC syllabus will be provided.

Cancellation Policy

Due to advance planning requirements, cancellations must be submitted in writing by e-mail to ddelanko@aium.org by January 12, 2016. There is a \$150 cancellation fee. After January 12, 2016, no refunds will be issued. In the unlikely event that the program is cancelled, seminar registration fees will be refunded; however, the AIUM is not responsible for any travel or hotel costs you may incur.

Videotaping and Photography Policy

The AIUM does not allow any unauthorized videotaping or photography during the event except by management and its designated agents. The AIUM reserves the right to photograph or videotape any exhibit or attendee for use in promotional materials or any other AIUM publication. The AIUM may videotape educational courses for inclusion in the AIUM's educational video program library.

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