



38TH Annual

Advanced Ultrasound Seminar: Ob/Gyn

Disney's Yacht & Beach Club Resorts

February 19–21, 2015

Lake Buena Vista, Florida

Earn up to **13.5 AMA PRA Category 1 Credits™** (accepted by the ARDMS) or ARRT Category A Credits. The American College of Obstetricians and Gynecologists has assigned 14 cognate credits to this program.

Codirectors

Lennard D. Greenbaum, MD

Program Codirector
Past President, AIUM
Codirector
The Hughes Center for Fetal Diagnostics
Winnie Palmer Hospital for Women & Babies
Orlando Health
Orlando, Florida

Frederick W. Kremkau, PhD

Program Codirector
Past President, AIUM
Professor and director, Program for Medical Ultrasound
Center for Applied Learning
Wake Forest School of Medicine
Winston-Salem, North Carolina

Faculty

Alfred Z. Abuhamad, MD

Past President, AIUM
Mason C. Andrews Professor and Chair of OB/GYN
Vice Dean for Clinical Affairs at EVMS
Eastern Virginia Medical School
Norfolk, Virginia

Beryl R. Benacerraf, MD

President-Elect, AIUM
Clinical Professor of Obstetrics & Gynecology
Clinical Professor Radiology
Harvard Medical School
Brigham & Women's Hospital
Boston, Massachusetts

Joshua A. Copel, MD

Past President, AIUM
Vice Chair, Clinical Operations
Yale University
New Haven, Connecticut

Steven R. Goldstein, MD

President, AIUM
President, AIUM
New York University School of Medicine
NYU Langone Medical Center
Professor of Obstetrics and Gynecology
Director of Gynecologic Ultrasound
Codirector of Bone Densitometry
New York, New York

John C. Hobbins, MD

Past President, AIUM
Endowed Professorship in Maternal Fetal Medicine
Department of OB/GYN
University of Colorado
Denver, Colorado

Lawrence D. Platt, MD

Past President, AIUM
Professor
David Geffen School of Medicine at UCLA
Center for Fetal Medicine and Women's Ultrasound
Los Angeles, California



38th Annual

Advanced Ultrasound Seminar: Ob/Gyn

February 19–21, 2015

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

THE LEGACY LIVES ON...

This is the **38th** Annual Advanced Ultrasound Seminar: OB/GYN. We put "38" in bold-face type because it's important to emphasize the longevity of this success story. When the initial program was developed in 1977 by Lennard Greenbaum, MD, and James Martin, MD, we doubt they had any idea of the long-term impact their efforts would have. At that time, medical ultrasound had only recently moved from infancy to toddler stage, but Dr Greenbaum and Dr Martin, along with Frederick Kremkau, PhD, who became codirector when Dr Martin retired in 1985, had the foresight to recognize the incredible value of this imaging technology and the crucial importance of high-quality education for the clinicians who would use it to improve patient care. Year after year, they consistently chose the most progressive topics and identified the most accomplished speakers to ensure that the course was always cutting edge and never repetitive. Since so many of you have returned time and time again, we know they successfully attained their goal.

We honor their legacy by designating this year's program the Presidential Year; all the speakers have been AIUM presidents (plus the AIUM president-elect). It's imperative to the AIUM that the excellence that has been a mainstay of this course for almost 4 decades remains a defining characteristic for the next 38 years.

Please join us in saluting Dr Greenbaum and Dr Kremkau on their impressive achievement. Their hard work has certainly been a labor of love requiring much determination, substantial energy, and tireless commitment. There is no other ultrasound education program in the country that has stood the test of time like the Annual Advanced Ultrasound Seminar: OB/GYN.



In Collaboration With



38TH Annual
**Advanced Ultrasound
 Seminar: Ob/Gyn**

Disney's Yacht & Beach Club Resorts
 February 19–21, 2015
 Lake Buena Vista, Florida

Program Codirectors: Lennard D. Greenbaum, MD, Frederick W. Kremkau, PhD

Thursday, Feb 19

Time	Session	Faculty Assignment
7:00 am	Breakfast	
7:55 am	Welcome	Lennard D. Greenbaum, MD, Frederick W. Kremkau, PhD
8:00 am–8:40 am	Early Pregnancy: When You See It and When You Don't	Steven R. Goldstein, MD
8:40 am–9:20 am	The New Paradigm for First Trimester Screening	Lawrence D. Platt, MD
9:20 am–10:00 am	Non-Invasive Prenatal Testing (NIPT) and Its Impact on the Genetic Sonogram	John C. Hobbins, MD
10:00 am–10:15 am	Questions and Answers	
10:15 am–10:45 am	Refreshment Break	
10:45 am–11:25 am	Fetal Malformations: The Role of Microarrays	Lawrence D. Platt, MD
11:25 am–12:05 pm	Evaluation of the Cervix During Pregnancy	John C. Hobbins, MD
12:05 pm–12:45 pm	The Sherlock Holmes Approach to Skeletal Syndromes	Beryl R. Benacerraf, MD
12:45 pm–1:00 pm	Questions and Answers	
1:00 pm	Adjourn	

Friday, Feb 20

7:00 am	Breakfast	
8:00 am–8:40 am	New Ways to Look at the Placenta	John C. Hobbins, MD
8:40 am–9:20 am	The Fetal Face: How 3D Can Make a Difference	Lawrence D. Platt, MD
9:20 am–10:00 am	Uterine Bleeding: The Standard of Care Has Changed	Steven R. Goldstein, MD
10:00 am–10:15 am	Questions and Answers	
10:15 am–10:45 am	Refreshment Break	
10:45 am–11:25 am	What's New in Ovarian Cancer Screening	Beryl R. Benacerraf, MD
11:25 am–12:05 pm	Special Gyn Ultrasound: Considerations for the Breast Cancer Patient	Steven R. Goldstein, MD
12:05 pm–12:45 pm	The Many Faces of Endometriosis	Beryl R. Benacerraf, MD
12:45 pm–1:00 pm	Questions and Answers	
1:00 pm	Adjourn	

(CONTINUED)

38TH Annual
**Advanced Ultrasound
Seminar: Ob/Gyn**

Disney's Yacht & Beach Club Resorts
February 19–21, 2015
Lake Buena Vista, Florida

Program Codirectors: Lennard D. Greenbaum, MD, Frederick W. Kremkau, PhD

Saturday, Feb 21

Time	Session	Faculty Assignment
7:00 am	Breakfast	
8:00 am–8:40 am	Adnexal Masses: The Common and the Bizarre	Alfred Z. Abuhamad, MD
8:40 am–9:20 am	Fetuses Behaving Badly: Using the BPP in Practice, and Why	Joshua A. Copel, MD
9:20 am–10:00 am	Intrauterine Growth Restriction: Diagnosis and Management	Alfred Z. Abuhamad, MD
10:00 am–10:15 am	Questions and Answers	
10:15 am–10:45 am	Refreshment Break	
10:45 am–11:25 am	Update on Ultrasound Coding	Joshua A. Copel, MD
11:25 am–12:05 pm	Fetal Cardiac Imaging: Improving Detection of Congenital Heart Disease	Alfred Z. Abuhamad, MD
12:05 pm–12:45 pm	Fetal Arrhythmias for Every Day	Joshua A. Copel, MD
12:45 pm–1:00 pm	Questions and Answers	
1:00 pm	Adjourn	

Continuing Medical Education (CME) Information

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.

Accreditation Statement

The AIUM is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation Statement

The AIUM designates the *38th Annual Advanced Ultrasound Seminar: Ob/Gyn*, for a maximum of 13.5 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Credits for Sonographers and Radiologic Technologist Participants

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)

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

Target Audience

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

Course Objectives

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

Activity Designed to Change:

This activity is designed to change competence and performance.

Learner Attributes

This activity addresses the following: Patient Care; and Procedural Skills, Medical knowledge; Practice-based learning and improvement.

Disclaimer

The information presented in this activity represents the opinion 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 regulating 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.

Complete an evaluation online!

An e-mail will be sent to you to complete the evaluation for the 38th Annual Advanced Ultrasound Seminar: Ob/Gyn. Completing the evaluation is vital to the improvement of courses offered.

Faculty Disclosures

Steven R. Goldstein, MD

American Journal Obstetrics and Gynecology: associate editor
Cook Ob/Gyn: consultant; consulting fees
JDS Therapeutics: gynecology advisory board; honorarium;
speaker's bureau
Journal of Clinical Ultrasound in Medicine: editorial advisory board
Journal of Ultrasound in Medicine: associate editor
Menopause: editorial advisory board
New York University School of Medicine Alumni Corporation:
board of directors
Noven Pharmaceuticals, Inc: honorarium; speaker's bureau
Pfizer: gynecology advisory board; honorarium; speaker's bureau
Philips Healthcare: consultant; equipment loan; gynecology
advisory board
Shionogi: gynecology advisory board: honorarium
Smith & Nephew: consultant; consulting fees
Teva Pharmaceutical Industries, Ltd: gynecology advisory board:
honorarium

Lawrence D. Platt, MD

GE Medical Systems: honorarium; research staff; research
support; speaker
Illumina, Inc: clinical advisory board; honorarium; research support;
speaker
Trice Imaging, Inc: clinical advisory board; honorarium; speaker

Disclosure Policy

As a provider accredited by the ACCME, 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.

Disclosures for this Activity

All faculty members for this CME activity have completed a Disclosure of Financial Relationship. Disclosures are listed under the speaker's name.
All completed disclosure forms are on file and available for review at the AIUM office.

Disclosure of Commercial Support for 38th Annual Advanced Ultrasound Seminar: Ob/Gyn

In-Kind Donation:

GE Healthcare Parker Laboratories, Inc.

Disclosures from AIUM Officers, Board Members, Committee Members, and AIUM Staff

Alton, Karen, BS, RT, RDMS, RVT
Philips Healthcare: employee; salary

Barr, Richard G., MD, PhD
Bracco Diagnostics: grant
Esaoite North America, Inc: equipment grant; pi
Philips Healthcare: advisory panel; equipment
grant; lecture fees; researcher, speaker
Siemens Medical Solutions: advisory panel;
equipment grant; lecture fees; researcher,
speaker

Coley, Brian, MD
Elsevier Publishing: editor; royalties

Forsberg, Flemming, PhD
Toshiba America Medical Systems: equipment;
investigator; speaker; speaking fee

Fox, J. Christian, MD, RDMS
SonoSim, Inc.: consultant; options
SonoSite, Inc.: consultant; equipment

Fowlkes, J. Brian, PhD
GE Healthcare: consulting fee; equipment
for research; expert board member; research
collaborator
HistoSonics: scientific founder; stock

Langer, Jill, MD
BioClinica, Inc: blinded reader for clinical terms,
consulting fee

Lee, Kenneth, MD
MTMI: honorarium, speaker
SuperSonic Imagine: honorarium; speaker

Lee, Wesley, MD
GE Healthcare: faculty speaker; honorarium,
Philips Healthcare: investigator; limited research
support
Siemens Medical Solutions USA, Inc: investigator,
limited research support

Lex, Amy, RT(R), RDMS
Philips Healthcare: employee; salary

Mastrobattista, Joan, MD
Counsyl: medical board advisor; no compensation

Nakamoto, Dean, MD
Galil Medical: investigator; no compensation;
research support
Toshiba America Medical Systems, Inc:
investigator; no compensation; research support

Nelson, Bret, MD, RDMS
Simulab: consultant; consulting fee

Scoutt, Leslie, MD
Philips Healthcare: educational consultant
speaker; honoraria

Shwayder, James, MD, JD
Cook Medical Women's Health: co-inventor,
royalty fee

Solomon, Julia, MD, CM
GE Healthcare: honorarium; preparatory -
educational materials

Swanson, Terri, MA
Pfizer Inc: employee; salary/stock

Tomar, Anju, BS, RDMS, RVT
GE Healthcare: employee; salary