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. Benancerraf, 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

In collaboration with:

www.aium.org   #38ob   #aium

Share your thoughts, insights and photos!
THE LEGACY LIVES ON...

This is the 38th Annual Advanced Ultrasound Seminar: OB/GYN. We put “38” in boldface 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.
### Thursday, Feb 19

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

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<td>New Ways to Look at the Placenta</td>
<td>John C. Hobbins, MD</td>
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<td>8:40 am</td>
<td>The Fetal Face: How 3D Can Make a Difference</td>
<td>Lawrence D. Platt, MD</td>
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<td>Uterine Bleeding: The Standard of Care Has Changed</td>
<td>Steven R. Goldstein, MD</td>
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<td>What’s New in Ovarian Cancer Screening</td>
<td>Beryl R. Benacerraf, MD</td>
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<td>11:25 am</td>
<td>Special Gyn Ultrasound: Considerations for the Breast Cancer Patient</td>
<td>Steven R. Goldstein, MD</td>
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<tr>
<td>12:05 pm</td>
<td>The Many Faces of Endometriosis</td>
<td>Beryl R. Benacerraf, MD</td>
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<td>Adnexal Masses: The Common and the Bizarre</td>
<td>Alfred Z. Abuhamad, MD</td>
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<td>8:40 am–9:20 am</td>
<td>Fetuses Behaving Badly: Using the BPP in Practice, and Why</td>
<td>Joshua A. Copel, MD</td>
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<td>9:20 am–10:00 am</td>
<td>Intrauterine Growth Restriction: Diagnosis and Management</td>
<td>Alfred Z. Abuhamad, MD</td>
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<td>Update on Ultrasound Coding</td>
<td>Joshua A. Copel, MD</td>
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<td>Fetal Cardiac Imaging: Improving Detection of Congenital Heart Disease</td>
<td>Alfred Z. Abuhamad, MD</td>
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<td>Fetal Arrhythmias for Every Day</td>
<td>Joshua A. Copel, MD</td>
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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.

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.

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.

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  
Esaote 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/stoc*

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