Advanced Ultrasound Techniques in Obstetrics and Gynecology

18th Annual Review Course

November 5, 6, and 7, 2009

Hosted by

Provided by
**THE PROGRAM**

Our conference planning committee has assembled a faculty whose skill and expertise best addresses the needs of our colleagues in the OB/Gyn and Radiological communities. The topics are selected for timeliness and community need, as well as in response to suggestions made by participants from prior years. The topics are presented by a group of nationally and internationally recognized experts in their fields and local Phoenix clinicians who have distinguished teaching credentials so as to impart as much relevant, practical, evidence-based information as our time together will permit.

**Who Should Attend?**

- OB/Gyn Physicians
- Radiologists
- Sonographers
- Residents
- Fellows
- Perinatologists
- Neonatologists
- Pediatric Cardiologists

**OBJECTIVES**

The majority of OB/Gyn ultrasound courses in recent years have tended to emphasize imaging of the fetus for abnormal anatomic development with considerably less emphasis on fetal growth and well-being and on the evaluation of the gynecologic patient. This program will include didactic content for these important areas as well.

After attending this course, the registrants should be able to:

- Analyze details of anatomic malformations of the fetal central nervous system, face and neck, skeletal system and thorax to arrive at a precise diagnosis or a sharply limited list of differential diagnostic possibilities.
- Summarize how 3D ultrasound may supplement or advance the diagnostic process beyond that obtained with conventional 2D sonography.
- Describe the detailed anatomy of the fetal heart and its great vessels, and summarize methods for optimizing fetal heart imaging. Apply this knowledge to the evaluation and management of congenital cardiac malformations and arrhythmias, and discuss how this information may contribute to improved postnatal outcomes.
- Describe the pathological entities unique to monochorionic twins, and explain the vascular anatomy of the shared twin placenta that underlies these conditions.
- Discuss methods of evaluating fetal wellbeing, including the biophysical profile, evaluation of oligohydramnios in singleton and twin pregnancies, and current applications of Doppler ultrasound.
- Utilize cervical sonography appropriately for evaluating the risk of preterm delivery.
- Analyze the roles of first and second trimester sonography and blood analyte evaluation in genetic screening.
- Summarize the uses of 3D ultrasound and sonohysterography in a variety of gynecological problems. Explain how to evaluate the female patient with pelvic pain. Compare and contrast the sonographic morphology of significant ovarian lesions.

**ACCREDITATION**

Obstetrix Medical Group, Inc. is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Obstetrix Medical Group, Inc. designates this educational activity for a maximum of 16.75 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Sonographers may use credits earned at this conference for the purpose of maintaining their registry with the American Registry of Diagnostic Medical Sonographers (ARDMS). ARDMS accepts AMA PRA Category 1 credits. This program is not affiliated with or endorsed by ARDMS.

NTQR Course: The American College of Obstetricians and Gynecologists (ACOG) designates this educational activity for a maximum of 4 AMA PRA Category 1 credits or up to a maximum of 4 Category 1 ACOG Cognate Credits.
### CONFERENCE PROGRAM

#### THURSDAY, NOVEMBER 5, 2009

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>7:00 - 7:55</td>
<td>Registration and Continental Breakfast with the Exhibitors</td>
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<tr>
<td>7:55 - 8:00</td>
<td>WELCOME</td>
<td>Harris J Finberg, MD</td>
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<tr>
<td>8:00 – 8:40</td>
<td>Fetal Central Nervous System</td>
<td>Ruth Goldstein, MD</td>
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<td>8:40 – 9:20</td>
<td>Fetal Skeletal System</td>
<td>Beryl R Benacerraf, MD</td>
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<td>9:20 – 10:00</td>
<td>Fetal Thorax</td>
<td>Ruth Goldstein, MD</td>
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<td>10:00 -10:15</td>
<td>Q &amp; A</td>
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<td>10:15 -10:30</td>
<td><strong>BREAK with the Exhibitors</strong></td>
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<td>10:30 – 11:10</td>
<td>3D Evaluation of Fetal Anomalies</td>
<td>Beryl R Benacerraf, MD</td>
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<td>11:10 - 11:50</td>
<td>Oligohydramnios</td>
<td>Robert N Wolfson, MD</td>
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<td>11:50 – 12:05</td>
<td>Q &amp; A -15 minutes</td>
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<td>12:05 – 1:00</td>
<td><strong>LUNCHEON with the Exhibitors</strong></td>
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<td>1:00 – 1:40</td>
<td>Twins: Monochorionic Twin Syndromes</td>
<td>Ruth Goldstein, MD</td>
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<td>1:40 – 1:45</td>
<td>Amniotic Wrinkles (brief presentation)</td>
<td>Harris J Finberg, MD</td>
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<td>1:45 – 2:25</td>
<td>3D in Gynecology – The Beginning of a New Era</td>
<td>Beryl R Benacerraf, MD</td>
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<td>2:25 – 2:40</td>
<td>Q &amp; A – 15 minutes</td>
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<tr>
<td>2:40 – 2:50</td>
<td><strong>BREAK with the Exhibitors</strong></td>
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<td>2:50 – 3:30</td>
<td>Sonohysterography in Women with a History of Pregnancy Loss</td>
<td>Kathleen A Kuhlman, MD</td>
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<td>3:30 – 4:10</td>
<td>Pelvic Pain</td>
<td>Beryl R Benacerraf, MD</td>
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<td>4:10 – 4:50</td>
<td>Sonomorphology of Ovarian Lesions</td>
<td>Harris J Finberg, MD</td>
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<td>4:50 – 5:05</td>
<td>Q &amp; A – 15 minute</td>
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<td>5:05</td>
<td><strong>ADJOURN for the day</strong></td>
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FRIDAY, NOVEMBER 6, 2009

6:45 – 8:00  
Registration and Continental Breakfast with the Exhibitors

07:00-08:00  
Early Bird – Challenging Obstetrical Cases  
Harris J Finberg, MD

08:00-08:40  
Evaluation of the Cervix in Pregnancy  
Joseph Wax, MD

08:40-09:20  
Biophysical Profile in the Antenatal Assessment of Fetal Well Being  
Harris J Finberg, MD

9:20 – 10:00  
Doppler in Obstetrics: Update on Current Applications  
Alfred Abuhamad, MD

10:00 - 10:10  
Q & A

10:10 – 10:30  
**Break with the Exhibitors**

10:30 – 11:10  
First Trimester Aneuploidy Screening: Options and Controversies and Interpreting 2nd Trimester Findings After 1st Trimester Screening  
Joseph Wax, MD

11:10 – 11:50  
Panel Discussion: Drs. Abuhamad, Finberg, Wax
1. Guidelines for Genetic Screening, 1st and 2nd trimester
2. Keepsake US (led by Dr. Wax)

11:50 – 12:00  
Q & A

12:00  
**ADJOURN for the day**

SATURDAY, NOVEMBER 7, 2009

6:45 – 8:00  
Registration and Continental Breakfast with the Exhibitors

07:00-08:00  
Early Bird – Challenging Obstetrical Cases  
Kathleen A Kuhlman, MD

**Symposium on Fetal Echocardiography**

8:00 – 8:40  
Fetal Cardiac Imaging – Optimizing Detection of Congenital Heart Disease  
Alfred Abuhamad, MD

8:40 – 9:20  
Fetal Arrhythmias: Management and Treatment  
Christopher L Lindblade, MD

9:20 – 9:30  
Q & A

9:30 – 9:50  
**BREAK with the Exhibitors**

9:50 – 10:30  
3D Ultrasound and the Fetal Heart: Current and Future Applications  
Alfred Abuhamad, MD

10:30 – 11:10  
Fetal Cardiac Anomalies: Diagnosis and Long Term Outcomes  
John Stock, MD

11:10 – 11:50  
Panel Discussion: Drs. Abuhamad, Lindblade, Stock, Slater-Meyer

11:50 – 12:00  
Q & A

12:00  
**ADJOURN for the day**
Exciting new research has demonstrated the success of first-trimester Down Syndrome screening using combined ultrasound and maternal serum markers. The Maternal Fetal Medicine Foundation recognizes that our colleagues are eager to be informed in the area of first trimester risk assessment and is pleased to present this educational course on Nuchal Translucency (NT) with nationally recognized faculty experts in the field. This program is designed for clinicians, and sonographers.

The American College of Obstetricians and Gynecologists (ACOG) designates this educational activity for a maximum of 4 AMA PRA Category 1 credits or up to a maximum of 4 Category 1 ACOG Cognate Credits. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**Objectives for First Trimester Screening:**

The courses will
- explain the scientific research that validates these new methodologies
- demonstrate in detail the critical requirements for reproducibly obtaining accurate Nuchal Translucency measurements
- enumerate the important additional fetal syndromes, conditions and anatomic malformations that are associated with first trimester abnormal NT measurements
- provide the didactic basis to complete the certification process by taking the on-line examination and submitting NT images.

Once the on-line exam and image review have been successfully completed, a certificate of satisfactory completion will be issued by ACOG.

12:45-01:00 Registration

01:00-01:20 Welcome Jean Lea Spitz, MPH, RDMS

01:20-02:10 Lecture 1: What Does the Data Show Ronald Wapner, MD

02:10-02:45 Lecture 2: Combining Strategies Alfred Abuhamad, MD

2:45 – 3:00 BREAK (15 minutes)

03:00-03:50 Lecture 3: Technical Aspects Jean Lea Spitz, MPH, RDMS

03:50-04:15 Lecture 4a: Genetic Sonogram Ronald Wapner, MD

04:15-04:40 Lecture 4b: Multiple Pregnancies Alfred Abuhamad, MD

4:40 – 5:00 Q&A

5:00 ADJOURN for the day
**HOTEL RESERVATIONS**

Single or Double $199/night

A block of rooms has been reserved for conference registrants at a special group rate at the FireSky Resort and Spa.

Hotel reservations can be made by calling FireSky Resort and Spa. Please identify yourself as being with the *Advanced Ultrasound Techniques in Obstetrics and Gynecology* conference to receive the discounted room rate. Check in time is 3:00 p.m. and check out time is 12:00 p.m.

The hotel must receive all reservation requests on or before **October 5, 2009**. Any rooms left in the block will be released at that time and requests received after that date will be accepted by the hotel on a space available basis only and the negotiated rate may not be available. **Our room block usually sells out so we recommend that you make your reservation early so you won’t be disappointed.**

![FireSky Resort & Spa](https://www.fireskyresort.com)

**Hotel Reservations**

Local: 480.945.7666  
Toll Free: 1. 800.528.7867  
Fax: 480.946.4056

**Concierge Desk**: 480.945.7666  
**Spa Reservations**: 480.424.6072  
**KimptonKids**: Call Concierge Desk

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**CONFERENCE REGISTRATION AND FEES**

The registration fee is $725 for physicians and $425 for sonographers, students and fellows. The registration fee for the NT Course is $200 if you are attending the full course; $350 for physicians and $275 for sonographers if registering just for the NT Course. Confirmation of registration will be emailed upon receipt of registration form and payment. Refunds will be issued, less a $75 administrative charge, if written notice of cancellation is received by October 17, 2009.

The tuition includes a flash drive containing program syllabus, a printed program syllabus, continental breakfasts, breaks, lunch, and a CME certificate. Attendees are encouraged to bring their laptops.

*This course is usually fully subscribed and early registration is encouraged.*

Please be sure to confirm course and hotel availability **before** purchasing non-refundable airline tickets.

*Children will not be allowed in the conference hall or exhibit rooms.*
CONFERENCE REGISTRATION

Please complete this form indicating your method of payment. An incomplete registration form will delay your registration. Mail or fax to:

Barbara Shaw  
Conference Planner  
Phoenix Perinatal Associates  
4722 N 24th St., Suite 150  
Phoenix, Arizona 85016  
Phone: 602 256 4628 x 601  
Fax: 602 957 9442  
Barbara_Shaw@pediatrix.com

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<thead>
<tr>
<th>Registration For</th>
<th>Attendee</th>
<th>Conference Materials</th>
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<tbody>
<tr>
<td>Physicians</td>
<td>$725.00</td>
<td>$725.00</td>
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<tr>
<td>Sonographers, Fellows and Residents</td>
<td>$425.00</td>
<td>$425.00</td>
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<tr>
<td>NT Course for Conference Attendee</td>
<td>$200.00</td>
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<tr>
<td>Saturday NT Course-Only Physicians</td>
<td>$350.00</td>
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<tr>
<td>Saturday NT Course-Only Sonographers</td>
<td>$275.00</td>
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(Fellows & Residents must include a letter from their program director.)

Please charge to: [ ] MasterCard  [ ] Visa  [ ] American Express  [ ] PayPal

If you are sending payment by check, please make check payable to: Obstetrix Medical Group of Phoenix, P.C. (Federal Tax ID # 65-0271219).

Card Number: ____________________________________________________________

Card Exp. Date: ___________________________________________________________

Card CID#: _____________________________________________________________(3 or 4 digit # on back of card)

Full name on card: _______________________________________________________

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Cardholder’s Signature: _________________________________________________

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NAME
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CITY

STATE

ZIP CODE

PHONE

E-MAIL ADDRESS - it will be used to confirm your registration
Circle One:  MD  Radiologist  Sonographer  Perinatologist  Neonatologist
Pediatric Cardiologist  Resident  Fellow  Other________________________
PROGRAM CHAIRPERSONS Harris J Finberg, MD and Kathleen A Kuhlman, MD

GUEST FACULTY

Alfred Abuhamad, MD - Professor and Chairman, Department of Obstetrics and Gynecology, Associate Dean for Clinical Affairs, Eastern Virginia Medical School, Norfolk, VA

Beryl R Benacerraf, MD – Clinical Professor of Radiology and OB/Gyn, Harvard Medical School, Boston, MA

Ruth Goldstein, MD - Professor of Radiology, Obstetrics, Gynecology and Reproductive Science, Chief, Ultrasound Section, University of California Medical Center, San Francisco, California

Jean Lea Spitz, MPH, RDMS – Program Director, NTQR, Oklahoma City, OK; Professor Emeritus, University of Oklahoma

Ronald Wapner, MD – Chief of the Division of Maternal-Fetal Medicine, New York Presbyterian Hospital and Columbia University Medical Center, New York, New York

Joseph Wax, MD - MMC OB/Gyn Associates, 887 Congress St., Suite 200, Portland, ME 04102; Professor of Obstetrics and Gynecology, University of Vermont College of Medicine, Maine Medical Center, Portland, Maine

PHOENIX FACULTY

Harris J Finberg, MD – Director, Diagnostic Ultrasound, Phoenix Perinatal Associates, Phoenix, AZ; Assistant Professor of Radiology, Mayo Medical School, Rochester, MN.

Kathleen A Kuhlman, MD – Medical Director, Maternal-Fetal Medicine Center at Banner Thunderbird Medical Center, Glendale, AZ, Associate Director, Phoenix Perinatal Associates, Phoenix, AZ.

Christopher L Lindblade, MD – Pediatric Cardiologist, Arizona Pediatric Cardiology Consultants

Linda Slater Myer, MD – Neonatologist, Banner Good Samaritan Medical Center, Phoenix, AZ; Phoenix Perinatal Associates, Phoenix, AZ

John Stock, MD - Pediatric Cardiologist, Arizona Pediatric Cardiology Consultants, Medical Director Pediatric Cardiology Banner Children's Hospital, Mesa, AZ

Robert N Wolfson, MD, PhD – Associate Director, Phoenix Perinatal Associates, Phoenix, AZ
Exhibits

To enhance your educational experience, representatives from relevant companies, organizations and hospitals have been invited to exhibit their equipment, supplies, and services at the conference. The conference program is structured to allow all participants time for one-on-one discussion with each exhibitor. You may inquire about exhibit space by calling Barbara Shaw, Conference Planner at Phoenix Perinatal Associates, 602 256 4628 x 601.

Special Information

The conference planning committee suggests relaxed and comfortable clothing throughout the conference. You might consider a jacket or sweater if you tend to get cold in air conditioning.

If you have needs that require special accommodations, including dietary concerns, please contact Gail Halfhill at Phoenix Perinatal Associates: gail.halfhill@pediatrix.com or call 480 969 5999 x 254.

WHO WE ARE

Phoenix Perinatal Associates (PPA) was founded by a group of maternal-fetal medicine specialists to create a nurturing and caring environment for women experiencing high-risk pregnancies. PPA has gained a reputation as one of the largest and most recognized maternal-fetal medicine groups in the country. PPA became affiliated with Obstetrix Medical Group, Inc., in 1999 and has since expanded its depth and range of services creating a new model of perinatal care by partnering with neonatologists, developmental pediatricians, and pediatric cardiologists. By coordinating care across a team of physicians, PPA has developed a seamless continuum of care for mother, baby and family, before, during and following pregnancy.

As a part of Obstetrix, PPA has access to the largest database of neonatal outcomes and research initiatives, as well as access to more than 730 neonatal and maternal-fetal colleagues across the country. PPA is dedicated to practicing evidence based medicine focused on improving patient outcomes, clinical research and integrating the care of mothers and their newborns. In addition, PPA works with Arizona Pediatric Cardiology Consultants who provide expert pediatric cardiology care.

Our mission is to deliver the finest integrated maternal-fetal and newborn care.

Bring your laptop.

In addition to receiving a printed syllabus, attendees will also receive a 1G flash drive containing the presentations and conference information.

Using your laptop to take notes will save paper and transcription time when you return to your office.