

33rd Annual
**Advanced Ultrasound
Seminar: OB/GYN**

**February 18-20, 2010
Lake Buena Vista, Florida**

Disney's
Contemporary Resort

**Pre-Conference Workshops
February 17, 2010
AIUM Accreditation
Physics Refresher & Update
Nuchal Translucency Credentialing Course**



**Benacerraf ~ Hobbins ~ Kremkau ~ Lee
Parsons ~ Platt ~ Spitz ~ Timor-Tritsch ~ Woletz**

Co-Sponsored by:



Presented by:

**The Program for Medical Ultrasound, Center for Applied Learning of
Wake Forest University School of Medicine
Orlando Health Foundation
Continuing Medical Education Department, Orlando Health**

Overview

Description

An intense three-day conference will be presented to illustrate the latest principles and techniques in obstetrical and gynecological ultrasound. The topics will be presented by leaders in the field of diagnostic ultrasound. The intended audience includes physicians and sonographers. Commercial exhibits will display state-of-the-art ultrasound equipment, supplies, and educational materials.

Objectives

At the conclusion of this CME activity, the participant 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.
- Practice the latest instrumentation and techniques in obstetrical and gynecological ultrasound.

Accreditation

Orlando Health is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit

Orlando Health designates this educational activity for a maximum of 13.5 *AMA PRA Category I Credits*.™ Physicians should only claim credit commensurate with the extent of their participation in the activity.

Cognate credits have been applied for through the American College of Obstetricians and Gynecologists.

Sonographers may apply credits toward meeting Continuing Competency Requirements for the American Registry of Diagnostic Medical Sonographers (ARDMS®). This service is not affiliated with or endorsed by ARDMS®.

Note: Separate credits are given for each workshop as follows:

- AIUM Accreditation Workshop: 3
- Nuchal Translucency Credentialing Course: 3.5
- Principles Refresher and Update: 3.5
- One Day Attendance of Main Conference: 4.5

Faculty

Program Co-Directors

Lennard D. Greenbaum, MD

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

Frederick W. Kremkau, PhD

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

Guest Faculty

Beryl Benacerraf, MD

Clinical Professor of Radiology, Clinical Professor of Obstetrics, Gynecology and Reproductive Biology, Harvard Medical School; Editor-in-Chief, *Journal of Ultrasound in Medicine*, Boston, MA

John Hobbins, MD

Professor of Obstetrics and Gynecology, University of Colorado Denver School of Medicine, Aurora, CO

Wesley Lee, MD

Clinical Professor, Obstetrics and Gynecology, Oakland University William Beaumont School of Medicine, Royal Oak, MI

Anna Parsons, MD

Associate Professor and Director of Image Based Gynecology, University of South Florida College of Medicine, Tampa, FL

Lawrence D. Platt, MD

Professor of Obstetrics & Gynecology, David Geffen School of Medicine at UCLA; Director, Center For Fetal Medicine and Women's Ultrasound, Los Angeles, CA

Jean Lea Spitz, MPH, RDMS

Director, Nuchal Translucency Quality Review Program; Professor Emeritus, University of Oklahoma, Oklahoma City, OK

Ilan E. Timor-Tritsch, MD

Professor of Obstetrics and Gynecology; Director, Division of OB/GYN Ultrasound, New York University School of Medicine, New York, NY

Paula Woletz, RDMS, RDCS, MPH

Director of Accreditation and Clinical Affairs, American Institute of Ultrasound in Medicine, Laurel, MD

Pre-Conference Workshops (Optional)

Wednesday, February 17

AIUM Accreditation Workshop

Learn about AIUM standards for exam protocols, personnel, quality assurance, record keeping, safety and physical facilities. Attend the workshop to find out the answers to these questions:

- Does your ultrasound practice meet nationally accepted standards?
- What is the AIUM accreditation process?
- What does the accreditation application contain?
- What impact will accreditation will have on your practice?
- Do insurance companies require accreditation?

Workshop Credit

The American Institute of Ultrasound in Medicine (AIUM) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The AIUM designates this educational activity for a maximum of **3 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity. Sonographers may apply credits toward meeting Continuing Competency Requirements for the American Registry of Diagnostic Medical Sonographers (ARDMS®). This service is not affiliated with or endorsed by ARDMS®.

Physics Refresher & Update: Imaging and Doppler Principles

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

The course serves three purposes:

- It provides an introduction for participants who are new to the field.
- It provides a review and up-date of recent technological advances for practicing physicians, sonographers, and other health professionals.
- It provides a brief review for participants preparing for the UPI, CPI, and VPI examinations administered by the ARDMS.

At the conclusion of this CME activity, the participant 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
- Recognize common artifacts

This Refresher and Update is presented by Frederick W. Kremkau, PhD, Professor and Director of the Center for Medical Ultrasound at Wake Forest University School of Medicine, Past President of the American Institute of Ultrasound in Medicine, and author of *Diagnostic Ultrasound: Principles and Instruments*, now in its 7th edition.

Workshop Credit

Orlando Health designates this educational activity for a maximum of **3.5 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity. Sonographers may apply credits toward meeting Continuing Competency Requirements for the American Registry of Diagnostic Medical Sonographers (ARDMS®). This service is not affiliated with or endorsed by ARDMS®.

Nuchal Translucency Credentialing Course

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. The Maternal Fetal Medicine Foundation (MFMF) recognizes the need for quality assurance in the area of first trimester risk assessment and presents this educational course with Orlando Health and Wake Forest University School of Medicine on the theories and techniques involved in obtaining accurate NT measurements. This program is designed for physician sonologists and sonographers and meets the educational course requirement component of credentialing by the MFMF.

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

- Describe the evidence that supports first trimester risk assessment.
- Discuss and compare protocols for first and second trimester combined risk assessment
- Discuss recommendations of the ACOG Practice Bulletin #77, titled *Screening for Fetal Chromosomal Abnormalities* and how to implement the recommendations in a variety of practice settings.
- Contrast competency requirements for nuchal translucency and nasal bone measurements
- Discuss risk assessment in multiple pregnancies.
- Specify fetal syndromes, conditions and anatomic malformations that may be detected with first trimester examinations.
- Describe the critical requirements for obtaining and maintaining reproducible and accurate nuchal translucency measurements.
- Describe image criteria for assessment of nasal bone.
- Critique nuchal translucency and nasal bone images.
- State requirements for credentialing through the NTQR.

Workshop Credit

Orlando Health designates this educational activity for a maximum of **3.5 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity. Sonographers may apply credits toward meeting Continuing Competency Requirements for the American Registry of Diagnostic Medical Sonographers (ARDMS®). This service is not affiliated with or endorsed by ARDMS®.

NTQR Certification

Nuchal Translucency Credentialing Course fee also includes charges to become certified by NTQR (<https://www.ntqr.org>) when electronic images are submitted. (Note: If hard copy images are submitted, there will be an additional \$20 payable to NTQR.)

Attendees will be given a promotional code for online certification.

Daily Schedule

Wednesday, February 17 (Optional)

Pre-Conference Workshop

Physics Refresher & Update: Imaging and Doppler Principles

- 7:30-8:00 am *Registration and Continental Breakfast*
All Lectures Presented by: Frederick Kremkau, PhD
- 8:00 am **Principles of Sonography**
- Ultrasound
 - Transducers
 - Instruments
 - Artifacts
- 10:00 am Break
- 10:15 am **Doppler Principles**
- Doppler Effect
 - Color-Doppler Instruments
 - Spectral-Doppler Instruments
 - Artifacts
- 11:45 am Adjourn (Lunch on your own)

Pre-Conference Workshop

AIUM Accreditation

- 8:00-8:30 am Registration and Continental Breakfast
- 8:30-11:30 am Workshop
Paula Woletz, RDMS, RDCS, MPH

Pre-Conference Workshop

Nuchal Translucency Credentialing Course

- 12:45-1:00 pm **Registration**
- 1:00-1:15 pm **Welcome to the NTQR program**
- 1:15-2:00 pm **First Trimester Risk Assessment: What Does the Data Show?**
Beryl Benacerraf, MD
- 2:00-2:45 pm **Risk Assessment: Options, Guidelines, and Quality Assurance**
Lawrence Platt, MD
- 2:45-3:15 pm Break
- 3:15-4:00 pm **Technical Aspects of NT and Nasal Bone Imaging**
Beryl Benacerraf, MD
- 4:00-4:45 pm **Multiple Pregnancies, Additional Benefits, and the Genetic Sonogram**
Lawrence Platt, MD
- 4:45-5:15 pm **Questions and Answers, Wrap-up and What's Next**
Drs. Benacerraf and Platt
- 4:00-6:00 pm **Early Conference Registration Opportunity**
Fantasia Registration Desk – Lower Level, Conference Center

Thursday, February 18, 2010

- 7:00-8:00 am *Registration and Continental Breakfast – Visit Exhibits*
- 7:55-8:00 *Welcome and Announcements*
- 8:00-8:40 **Ultrasound in Obstetrics: How Can You Practice Without It?**
John Hobbins, MD
- 8:40-9:20 **First Trimester Screening: What is New?**
Lawrence Platt, MD
- 9:20-10:00 **The First Trimester Using 3D**
Beryl Benacerraf, MD
- 10:00-10:15 **Panel Discussion**
Drs. Hobbins, Platt and Benacerraf
- 10:15-10:45 *Refreshment Break – Visit Exhibits*
- 10:45-11:25 **IUGR: Contemporary Management Using Ultrasound**
John Hobbins, MD
- 11:25-12:05 pm **Fetal Aneuploidy: Overview of Trisomies 21, 13, 18 and Triploidy**
Beryl Benacerraf, MD
- 12:05-12:45 **The Fetal CNS Using 2D and 3D**
John Hobbins, MD
- 12:45-1:00 **Panel Discussion**
Drs. Hobbins and Benacerraf

Friday, February 19, 2010

- 7:00-8:00 am *Registration and Continental Breakfast – Visit Exhibits*
- 7:55-8:00 *Announcements*
- 8:00-8:40 **The Face in Genetic Disorders**
Lawrence Platt, MD
- 8:40-9:20 **Fetal Cardiac Screening: Techniques and Common Pitfalls**
Wesley Lee, MD
- 9:20-10:00 **Just Images (Ob)**
Lawrence Platt, MD
- 10:00-10:15 **Panel Discussion**
Drs. Platt and Lee
- 10:15-10:45 *Refreshment Break – Visit Exhibits*
- 10:45-11:25 **How to Evaluate the Patient Presenting with Pelvic Pain: An Imager's Approach**
Beryl Benacerraf, MD
- 11:25-12:05 pm **The Ultrasound Assisted Pelvic Exam for Evaluation of Enigmatic Pelvic Pain: A Clinician's Approach**
Anna Parsons, MD
- 12:05-12:45 **Non-gynecologic Findings at Pelvic Scans**
Ilan Timor-Tritsch, MD
- 12:45-1:00 **Panel Discussion**
Drs. Benacerraf, Parsons and Timor-Tritsch

Saturday, February 20, 2010

7:00-8:00 am	Registration and Continental Breakfast – Visit Exhibits
7:55-8:00	Announcements
8:00-8:40	When is 3D Fetal Ultrasound Really Helpful? <i>Wesley Lee, MD</i>
8:40-9:20	3D Ultrasound Machines + Simple Protocol + Minimal Effort = Diagnostic Fetal CNS Examinations <i>Ilan Timor-Tritsch, MD</i>
9:20-10:00	Why is Fetal Soft Tissue Assessment Important? <i>Wesley Lee, MD</i>
10:00-10:15	Panel Discussion <i>Drs. Lee and Timor-Tritsch</i>
10:15-10:45 am	Refreshment Break – Visit Exhibits
10:45-11:25	Evaluation of Voluntary and Involuntary Tubal Obstruction <i>Anna Parsons, MD</i>
11:25-12:05 pm	The Epidemic of Caesarian Scar Pregnancies: Diagnosis and Management <i>Ilan Timor-Tritsch, MD</i>
12:05-12:45	Evaluation of Abnormal Uterine Bleeding at Any Age <i>Anna Parsons, MD</i>
12:45-1:00 pm	Panel Discussion <i>Drs. Parsons and Timor-Tritsch</i>

Conflict of Interest Policy: It is the policy of Orlando Health to require disclosure of any significant financial interest or any other relationship a faculty member or a sponsor has with the manufacturer(s) of any commercial products discussed in an educational presentation. This information can be found in the program materials distributed at the meeting.

Registration Information

All fees include lectures, syllabus, continental breakfasts, and refreshment breaks. Receipt of your registration fee will be confirmed by mail unless requested otherwise.

Registration cancellation must be confirmed in writing by Friday, February 5, 2010 and a \$75 processing fee will be assessed. No refunds will be issued after this date.

In the unlikely event that the program is cancelled, seminar registration fees will be refunded, however, Wake Forest University Health Sciences or Orlando Health are not responsible for any travel or hotel costs you may incur.

Transportation

Air: The Orlando International Airport is located approximately 23 miles from each resort designated for this conference.

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 Service: 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 407-827-6777 to book your Disney's Magical Express reservation. To ensure seamless service, at least 30 day advanced reservations are recommended.

Accommodations

Disney's Contemporary Resort

4600 N. World Drive

Lake Buena Vista, FL 32830

Guest Room Rate Per Night (plus tax):

\$219.00 Single/Double Occupancy

Additional Person (18 years or older) \$25 per person per night

Disney's Port Orleans Riverside Resort*

1251 Riverside Drive

Lake Buena Vista, FL 32830

Guest Room Rate Per Night (plus tax):

\$167.00 Single/Double Occupancy

Additional Person (18 years or older) \$15 per person per night

*Participants staying at the Port Orleans Riverside Resort will need to arrange transportation to the conference site: Disney's Contemporary Resort Conference Center.

Reservations

A block of rooms has been reserved from February 15-22, 2010. The block will be held until Friday, January 15, 2010, therefore, we advise you to reserve your lodging as soon as possible. Reservations made after this date will be based on space and rate availability. To qualify for the special group rate, contact:

Disney's Group Reservation Line:

407-824-3869

Group Name: 2010 Ultrasound Conference.

Online Room Reservations are available through a link on the conference website:

www.wfubmc.edu/ultrasound

Theme Park Ticket information is available on the conference website: www.wfubmc.edu/ultrasound

Conference Location

Disney's Contemporary Resort

Conference Center

4600 N. World Drive

Lake Buena Vista, FL 32830

Registration Form

33rd Annual Advanced Ultrasound Seminar: OB/GYN February 18-20, 2010 ~ Disney's Contemporary Resort ~ Lake Buena Vista, FL

Mail or Fax Form and Payment to:

Program for Medical Ultrasound
Center for Applied Learning
Wake Forest University Health Sciences
Medical Center Boulevard
Winston-Salem, NC 27157-1039

Telephone: 336-716-4505
Fax: 336-716-2447
E-mail: cmu@wfubmc.edu

Online Registration: www.wfubmc.edu/ultrasound

(Please print clearly or type all information. Form may be duplicated for multiple registrations.)

Name _____
(First Name) (Last Name)

Degree MD DO RN RT RDMS CNM FNP Other _____

Address _____

City _____ State _____ Zip _____

Daytime Telephone: (____) _____ Fax: (____) _____

E-mail: _____

Special Needs: Wake Forest University School of Medicine and Orlando Health adhere to the Americans with Disabilities Act. Please check here and advise the Center for Medical Ultrasound of any special needs you may have for participation in and/or access to this educational activity.

Optional Workshops

Fees

- Physics Refresher and Update** (Wednesday, 2/17/10) \$100
 AIUM Accreditation Workshop (Wednesday, 2/17/10) \$ 45

Nuchal Translucency Credentialing Course (Wednesday, 2/17/10)

- Physician \$350
 Sonographer \$300

(Fee includes charges to become certified by NTQR (<https://www.ntqr.org>) when electronic images are submitted. If hard copy images are submitted, there will be an additional \$20 payable to NTQR)

Main Conference

- Physician \$595
 Resident (Must submit letter from department chief confirming status) \$495
 Non-Physician \$495
 One Day (Circle one: Thursday-Friday-Saturday) \$250

Total Fees \$ _____

Payment Method

- Check (Payable to **Wake Forest University Health Sciences-Ultrasound** in U.S. dollars)
 MasterCard VISA

Card # _____ Expiration Date _____

Print Cardholder's Name

Signature

Office Use Only:

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