9th Annual

Advances in 3D & 4D Ultrasound

Keys for successful adoption of 3D imaging in your practice!

June 3-5, 2011
with optional NT Credentialing Course on June 5

Crowne Plaza Cleveland City Centre
Cleveland, Ohio

Conference Chairs:
Alfred Abuhamad, MD and Beryl Benacerraf, MD

Register online at www.iame.com
Dear Friends:

It is our greatest pleasure to invite you to attend IAME’s upcoming Advances in 3D&4D Ultrasound on June 3-5, 2011 in Cleveland. We have brought together the leading pioneers in 3D/4D technology, each of whom have made their mark with clinical innovations in this field.

This year’s conference continues the tradition of excellence set by IAME’s previous eight annual 3D /4D meetings. It will provide a strong basis to optimize your use of this technology by providing lectures on image optimization and other aids that maximize the capabilities of your ultrasound system. In addition this course will differ from previous years by providing a greater emphasis on the recent advances in gynecologic ultrasound.

As in the past we will also include live scanning demonstrations and workshops in offline analysis of images. Finally we will present the very popular audience interactive case presentations as a central part of the program.

We personally look forward to greeting you in Cleveland.

Alfred Abuhamad, MD  
Conference Co-chair  
Professor and Chairman  
Department of Obstetrics and Gynecology  
Eastern Virginia School of Medicine  
Norfolk, VA

Beryl Benacerraf, MD  
Conference Co-chair  
Clinical Professor of OB/GYN and Radiology  
Harvard Medical School  
Boston, MA

Faculty:

Wesley Lee, MD  
Division of Fetal Imaging  
William Beaumont Hospital  
Royal Oak, MI  
Clinical Associate Professor, OB-GYN  
Wayne State University  
Detroit, MI

Brian M. Mercer, MD  
Director, Obstetrics, and Maternal-Fetal Medicine  
MetroHealth Medical Center  
Professor, Case Western Reserve University  
Cleveland, OH

Stephen A. Myers, DO  
Director, Fetal Care Center  
Department of Obstetrics and Gynecology  
MetroHealth Medical Center  
Associate Professor  
Case Western Reserve University  
Cleveland, OH

Lawrence Platt, MD  
Professor, Obstetrics and Gynecology  
David Geffen School of Medicine at UCLA  
Center for Fetal Medicine and Women’s Ultrasound  
Los Angeles, CA

Ilan E. Timor-Tritsch, MD  
Professor of Obstetrics and Gynecology  
NYU School of Medicine  
Director of OB-GYN Ultrasound  
NYU Medical Center  
New York, NY
WHO SHOULD ATTEND THIS CONFERENCE?

Advances in 3D & 4D Ultrasound is the world’s largest and most comprehensive conference dedicated to 3D ultrasound and its clinical impact in OB-GYN.

The intended audience includes:

- Gynecologists
- Perinatologists
- Sonographers
- Obstetricians
- Radiologists

The curriculum of this conference and its workshops addresses the learning needs of all potential participants, from novices to advanced users of 3D ultrasound.

NEW FOR 2011

How you can use 3D ultrasound to...

- Perform ‘CT/MRI type’ anatomic assessment of the fetal head
- Revolutionize the way you do the GYN exam
- Change the way you perform fetal echocardiography

COURSE OBJECTIVES

After attending the 9th Annual Advances in 3D & 4D Ultrasound, each participant will:

- Describe the technical principles of image acquisition and post processing in 3D/4D ultrasound imaging.
- List indications for the use of 3D/4D ultrasound in the obstetric and gynecologic patient.
- Recognize obstetric and gynecologic abnormalities by 3D/4D ultrasound.
- Apply 3D/4D ultrasound in the ultrasound evaluation of the obstetric and gynecologic patient.
- Achieve improved patient outcomes through the application of 3D/4D ultrasound to the obstetric and gynecologic patient.

All IAME conferences now include the syllabus in electronic format for clearer viewing of images.
### Friday, June 3

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00</td>
<td>Registration &amp; Continental Breakfast</td>
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<tr>
<td>8:00</td>
<td>3D in Gynecology: An Overview – Benacerraf</td>
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<tr>
<td>8:45</td>
<td>3D and Mullerian Duct Anomalies – Abuhamad</td>
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<tr>
<td>9:30</td>
<td>3D and the Adnexa – Timor-Tritsch</td>
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<tr>
<td>10:15</td>
<td>Coffee Break</td>
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<tr>
<td>10:45</td>
<td>3D and Pelvic Pain – Benacerraf</td>
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<tr>
<td>11:30</td>
<td>Just Images of Adnexal Masses – Faculty: Abuhamad, Benacerraf, Timor-Tritsch, Platt</td>
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<tr>
<td>12:15</td>
<td>Lunch On Your Own</td>
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<tr>
<td>1:15</td>
<td>Hands-On Scanning Demonstration by Faculty – Gynecology – Benacerraf</td>
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<tr>
<td>1:45</td>
<td>Fetal CNS – 2D and 3D Evaluation – Timor-Tritsch</td>
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<td>2:30</td>
<td>3D and the Fetal Face – Platt</td>
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<tr>
<td>3:00</td>
<td>Q&amp;A Session</td>
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<tr>
<td>3:15</td>
<td>Coffee Break</td>
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<tr>
<td>3:30</td>
<td>Breakout Sessions</td>
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<tr>
<td>5:30</td>
<td>Adjourn</td>
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### Breakout Sessions • Friday

**Hands On Workshop**
Individualized hands-on scanning on various models of current 3D scanners. This workshop will provide an opportunity to practice scanning on a variety of models. Participants will be able to scan different patient demographics and cases.

**Dataset Workshops**
Faculty will show you how to optimize, manipulate and analyze ultrasound volumes on your chosen ultrasound systems. These workshops will ensure maximum value from your ultrasound investment.

For example, in the 3D & 4D Ultrasound Workshop, you will gain an understanding of the techniques for 3D and 4D imaging, including volume acquisition, rendering, and data analysis. You will also learn how to interpret the images and diagnose various conditions.

**Breakout Sessions**
These sessions will cover a variety of topics related to 3D & 4D Ultrasound, providing in-depth knowledge and practical experience. Participants will have the opportunity to interact with experts and other professionals in the field.

IAME’s Audience Response System is used throughout Advances in 3D & 4D Ultrasound to allow attendees to actively participate in the sessions and engage with the faculty. This system enables real-time feedback and interaction, enhancing the learning experience.

**3D & 4D Ultrasound Workshops**
- 3D & 4D Ultrasound in Gynecology
- 3D & 4D Ultrasound in Obstetrics
- 3D & 4D Ultrasound in Pediatrics
- 3D & 4D Ultrasound in Cardiovascular Imaging
- 3D & 4D Ultrasound in Interventions
- Advanced 3D & 4D Imaging Techniques
SATURDAY, JUNE 4

7:00  Continental Breakfast
8:00  How To Do 3D: From Acquisition to Post-Processing – Lee
8:45  Fetal Anomalies in the First Trimester – Timor-Tritsch
9:30  Cardiac Embryology – Lee
10:15 Coffee Break
10:45 2D/3D in Fetal Echocardiography – Abuhamad
11:30 3D and the Fetal Vasculature – Lee
12:15 Lunch On Your Own
1:15  Hands-on Scanning Demonstration by Faculty – Fetal Echocardiography – Abuhamad
1:45  Fetal Cardiovascular Assessment: The Role of Ultrasound – Myers
2:30  Automation in the Fetal Heart – Abuhamad
3:00  Q&A Session
3:15  Break
3:30  Breakout Sessions
5:30  Adjourn

WEDNESDAY AND SATURDAY 3:30-5:30

There is no extra fee for these workshops and sign up will take place on-site.

The workshops offered will allow you to interact directly with the Faculty.

A maximum of 30 participants will be accepted per workshop. In the event that a workshop is oversubscribed, participants will be assigned to two groups. Participants will work on offline workstations. manipulating datasets acquired during the workshop. The following workshops are offered:

- Fetal Cardiac Assessment
- Fetal Vasculature
- Fetal Echocardiography
- Fetal Imaging

Please sign up for only one workshop. Additional workshops may be offered on a space available basis.

IN THE DATASET WORKSHOP(S) OF YOUR CHOICE.

- 3 Workshops $100.00; 4 Workshops $120.00
SUNDAY, JUNE 5

7:00  Continental Breakfast
8:00  Hands-On Scanning Demonstration by Faculty – Obstetrics – Platt
8:30  Cardiac Imaging in Early Gestation – Abuhamad
9:30  Working Through Challenging Cases Using 3D – Platt
10:00 Coffee Break
10:15 Value of Cervical Length in Obstetric Management – Mercer
11:00 Fetal Skeletal System: 2D and 3D – Benacerraf
11:45 Questions and Answers
12:15 Adjourn

POST-CONFERENCE
NUCHAL TRANSLUCENCY CREDENTIALING COURSE

12:30  REGISTRATION
1:00  Nuchal Translucency: What does the data show? – Platt
1:45  Technical Aspects of Nuchal Translucency and Nasal Bone – Abuhamad
2:30  Coffee Break
2:45  Combining First and Second Trimester Ultrasound and NT Screening in Twins – Platt
3:30  Other Benefits of First Trimester Ultrasound and the Value of Genetic Sonogram – Benacerraf
4:15  Q&A / Conclusion – Faculty
5:30  Adjourn
The Crowne Plaza Hotel's accommodations provide modern travelers with a comfortable, convenient home away from home featuring fabulous amenities and lovely lakeside views. Hopkins International Airport (CLE) is just 12 miles away. Our hotel's guests enjoy great perks, including a free area shuttle, complimentary Wi-Fi access, Fitness and Business Centers, on-site dining, room service and concierge services.

Crowne Plaza Hotel Cleveland City Centre
777 St. Clair Avenue, Cleveland, OH 44114
Reservations:  (216) 771-7600
Specify IAME meeting
Room Rate:  $129 per night
single occupancy plus applicable taxes
Cut-off Date:  May 13, 2011

Visit the Rock & Roll Hall of Fame and connect with Elvis, Mick, the Beatles and the other legends of Rock & Roll.

Playhouse Square in Cleveland is just a short distance from the Crowne Plaza City Centre.
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 the Institute of Advanced Medical Education on the theories and techniques involved in obtaining accurate NT measurements. This program is designed for physician sonologists and sonographers and meets the education course requirement component of credentialing by the MFMF.

The Institute for Advanced Medical Education designates this conference for a maximum of 4 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

After attending the NT Credentialing course each participant will:

- Understand the data underlying first trimester screening, second trimester screening and a combination of first and second trimester screening for fetal aneuploidy
- Become familiar with the standardized technique for imaging and measuring the fetal nuchal translucency
- Understand the importance and methods underlying quality assurance for nuchal translucency sonography
- Be aware of the pitfalls and implementation difficulty in applying nuchal translucency base screening to a clinical practice
- Use information acquired in this activity to achieve NT Credentialing
ON-LINE CME COURSES

The History, Development and Utilization of Ultrasound Guided Breast Biopsy Procedure • 3 CME Credits
Principles of Stereotactic Breast Biopsy • 3 CME Credits
Agenesis of the Corpus Callosum • 1 CME Credit
The Biophysical Profile Score • 1 CME Credit
Cervical Length in Preterm Labor Prediction • 1 CME Credit
Choledochal Cysts • 1 CME Credit
Conjoined Twins • 2 CME Credits
Fetal Echocardiography • 4 CME Credits
First Trimester Screening for Chromosomal and Structural Malformations
  1 CME Credit
Lymphedema & Differential Diagnosis • 2 CME Credits
Middle Cerebral Artery Doppler Peak Systolic Velocity in the Evaluation
  of Fetal Anemia • 1 CME Credit
Neuroblastoma • 3 CME Credits
Non-Immune Hydrops • 1 CME Credit
Oligohydramnios: Sonographic Assessment and Clinical Implications
  1 CME Credit
Pyloric Atresia • 1 CME Credit
Recessive Polycystic Kidney Disease • 1 CME Credit
Saline Infusion Sonohysterography • 1 CME Credit
Sonographic Detection of Uterine Anomalies • 1 CME Credit
Sonographic Assessment of the Umbilical Cord • 1 CME Credit
Sonographic Detection of Severe Skeletal Dysplasias • 1 CME Credit
The Sonographic Detection of Trisomy 13 • 1 CME Credit
Sonographic Evaluation of Ectopic Pregnancies • 1 CME Credit
Sonographic Evaluation of the Normal and Abnormal Placenta • 1 CME Credit
Sonographic Evaluation of Twin-To-Twin Transfusion Syndrome • 1 CME Credit
Sonographic Evaluation of Uterine Leiomyomas and Adenomyosis • 1 CME Credit
Sonography of the Ovary: Benign vs. Malignant • 1 CME Credit
Thanatophoric Dysplasia • 2 CME Credits
Transvaginal Evaluation of the 1st Trimester: Normal And Abnormal
  1 CME Credit
Trisomy 18: Review, Ultrasound Diagnosis and Case Reports • 3 CME Credits
Trisomy 21 • 2 CME Credits
Twin Growth • 1 CME Credit

For more information and to register visit: www.iame.com
ACCREDITATION & CERTIFICATION

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

The Institute for Advanced Medical Education designates this conference for up to 19.5 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the conference.

You may earn 15.5 credits for attending the full conference, plus 1 credit for each optional dataset workshop. An additional 4 credits are available for attendance at the NT Credentialing Course.

Each participant will be awarded a Certificate of Attendance showing Category 1 credits earned in the course. Many attendees will find this useful for submission to credentialing boards, managed care organizations and accreditation bodies.

Application for cognates is pending with the American College of Obstetricians & Gynecologists. The Society of Diagnostic Medical Sonography has approved this course for CE credits, which are accepted as Category A by the ARRT.

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

REGISTRATION INFORMATION

The tuition for Advances in 3D&4D Ultrasound is $625 for physicians and $495 for residents/fellows/military (letter required; retired and sonographers. Registration includes lectures, the course syllabus and all continental breakfasts and refreshments. Additional fees apply for the dataset workshops.

The tuition for the Nuchal Translucency Credentialing Course is $310 for all physicians and $235 for non-physicians. Registration includes lectures, course syllabus and all NTQR fees. (Images submitted to NTQR in hard copy rather than electronically will be have an additional charge of $20.)

Early Bird registration applications must be postmarked by May 13, 2011. Registrations postmarked after that date are an additional $40.00. Funds should be in U.S. dollars drawn on a U.S. bank and made payable to IAME.

Cancellations received in writing up to two weeks prior to the course will receive a refund minus a $50 processing fee. There will be no refunds for cancellations received after that date. Refunds will not be given for “no-shows.” Due to space limitations, your application will be processed on a “first-come, first-served” basis.

ABOUT IAME

The Institute for Advanced Medical Education is the nation’s leading provider of continuing medical education in diagnostic imaging. The IAME faculty is an internationally recognized team delivering practice-improving curricula. Online CME is available at: www.iame.com.
Please enroll in
Advances in 3D & 4D Ultrasound
June 3-5, 2011 at Cleveland, Ohio

**Early Bird Tuition**
Postmarked by May 13, 2011
☑ $625 | Physicians
☑ $495 | Residents/fellows/military (letter required); retired and sonographers

**Nuchal Translucency Credentialing Course**
☑ $310 | Physicians
☑ $235 | Non Physicians

**Standard Tuition**
Please add $40.00 to registration postmarked after May 13, 2011.

*Alumni Circle Members: Deduct $50 from your tuition*

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**NAME**
☐ MD ☐ DO ☐ RDMS ☐ OTHER

**SPECIALTY (PHYSICIANS ONLY)**

**ADDRESS**

**CITY**

**STATE**

**ZIP**

**WORK PHONE NUMBER**

**HOME OR CELLPHONE NUMBER**

**FAX NUMBER**

**E-MAIL**

*Note: Cancellations received in writing up to two weeks prior to the course will receive a refund minus a $50 processing fee. There will be no refunds after that date. Refunds will not be given to “no shows.”*

**Four Ways to Register:**
by Mail 54 Hearthstone Lane, So Londonderry, VT 05155
by Telephone (802) 824-4433
by Fax (802) 824-3737
Online www.iame.com

**Payment by Check:**
Make check or money order payable *(in U.S. funds drawn on a U.S. bank)* to IAME and mail to: IAME, 54 Hearthstone Lane, So Londonderry, VT 05155

**Payment by Credit Card:** Complete credit card information
☐ MasterCard ☐ Visa ☐ Discover

**CARD NUMBER**

**EXPIRATION DATE**

**SECURITY CODE**

**CARDHOLDER’S NAME (Please print)**

**CARDHOLDER’S ZIP**

**SIGNATURE**

Register online at www.iame.com
Advances in 3D & 4D Ultrasound

June 3-5, 2011

EARN UP TO 23.5 CME CREDITS
(with attendance at 4 dataset workshops and the NT credentialing course)