



**DREXEL UNIVERSITY
COLLEGE OF MEDICINE**

In the Tradition of Woman's Medical College of
Pennsylvania and Hahnemann Medical College®

*The Second
Philadelphia
Prenatal Diagnosis
Update Conference*

Friday, June 4, 2010



*Fetal Echocardiography
Course*

Saturday, June 5, 2010



HILTON PHILADELPHIA CITY AVENUE

4200 City Avenue, Philadelphia, Pennsylvania

Who Should Attend

Practicing obstetricians, maternal-fetal medicine specialists, geneticists, radiologists, perinatologists, family practitioners, nurse-midwives, physician assistants, genetic counselors, ultrasonographers, nurses, and other health care professionals caring for the pregnant patient.

Learning Objectives

After attending the seminar the participant will be able to:

1. Discuss the rapidly advancing field of genetics and prenatal diagnosis; current screening and testing recommendations; as well as cutting edge technology and research.
2. Identify the maternal serum, ultrasound and carrier screening options which are currently available to preconceptional and pregnant patients.
3. Discuss the newer applications and technologies available in prenatal diagnosis, including microarray CGH and noninvasive prenatal diagnosis.
4. Recognize newer technologies and applications of ultrasonography in prenatal diagnosis and specifically fetal heart.

Accreditation Statements

Drexel University College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. **AMA:** The Drexel University College of Medicine designates this educational activity for a maximum of 14.75 *AMA PRA Category 1 Credit(s)*TM. Physicians should only claim credit commensurate with the extent of their participation in the activity. **AOA:** This program is eligible for 14.75 credits in Category 2A of the American Osteopathic Association. **ARDMS:** Sonographers earn a maximum of 14.75 *AMA PRA Category 1 Credit(s)*TM (accepted by the ARDMS). **PSNA:** An application for contact hours has been submitted to the PA State Nurses Association. Please contact Drexel University College of Medicine, Office of Continuing Medical Education at 215-762-2580 for more information about contact hours. **NSGC:** This event has been submitted to the National Society of Genetic Counselors (NSGC) for approval of Category 1 CEUs. The American Board of Genetic Counseling (ABGC) accepts CEUs approved by NSGC for purposes of recertification. Approval for the requested CEUs and Contact Hours is currently pending. Day 1 = 7.75 credits; day 2 = 7 credits. If you want the credits identified by day, indicate on the registration form.

Faculty Disclosure Statement

It is the policy of Drexel University College of Medicine to ensure balance, independence, objectivity, and scientific rigor in all its sponsored educational programs. Speakers at continuing medical education activities are required to disclose to the audience their financial relationships with the manufacturer(s) of any commercial products, goods or services related to the subject matter of the program topic. Any conflicts of interest must be resolved prior to the presentation and announced to the audience. The intent of this disclosure is to allow participants to form their own judgments about the educational content of this activity and determine whether the speaker's commercial interests influenced the presentation. In addition, speakers are required to openly disclose any off-label, experimental, or investigational use of drugs or devices discussed in their presentation.

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Fetal Cardiology
Thomas Jefferson University and
Nemours Cardiac Center
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Elaine H. Zackai, MD

Director, Clinical Genetics
Professor of Pediatrics
The Children's Hospital of Philadelphia

*Internationally renowned
experts in prenatal genetics and
ultrasound diagnosis.*

The Second Philadelphia Prenatal Diagnosis U

Plenary Session

- 7:00 – 7:50 a.m. Breakfast and Registration
- 7:45 – 8:00 a.m. **Welcome and overview**
Owen Montgomery, MD
Chairman, Department of Obstetrics and Gynecology
Drexel University College of Medicine
Ossie Geifman-Holtzman, MD
Drexel University College of Medicine
Pregnancy, Genetics and Ultrasound Center of Philadelphia
- 8:00 – 9:30 a.m. **22q11.2 Syndrome: Implications for prenatal testing and counseling**
A tribute to Dr. Angelo DiGeorge
Presentation and Panel Discussion
Moderator: Deborah A. Driscoll, MD
University of Pennsylvania
Panelists:
Beverly S. Emanuel, PhD
Elaine H. Zackai, MD
Elizabeth Goldmuntz, MD
Donna M. McDonald-McGinn, MS, CGC
The Children's Hospital of Philadelphia
- 9:30 – 10:45 a.m. **Current trends in invasive prenatal diagnosis — from the bedside to the laboratory**
Ronald Wapner, MD
Columbia University Medical Center
- 10:45 – 11:00 a.m. BREAK
- 11:00 – 12:00 p.m. **Assisted reproductive technology and congenital anomalies**
David Keefe, MD, *New York University*
- 12:00 – 1:00 p.m. **Commercial interests vs. public good in genetic testing and prenatal diagnosis**
David H. Ledbetter, PhD
Emory University School of Medicine
- 1:00 p.m. LUNCH

“Highlights in Prenatal Diagnosis for practitioners caring for pregnant women.”

Breakout Sessions

GENETICS

- 1:45 – 2:30 p.m. **Cutting edge prenatal diagnosis — CGH array and non invasive prenatal diagnosis**
David H. Ledbetter, PhD
Emory University School of Medicine
Ossie Geifman-Holtzman, MD
Drexel University College of Medicine
- 2:30 – 3:15 p.m. **The clinical conundrum of psychotropic medication use in pregnancy**
C. Neill Epperson, MD, *University of Pennsylvania*
- 3:15 – 3:30 p.m. BREAK
- 3:30 – 4:15 p.m. **Thrombophilia — what's on your panel?**
James Airoidi, MD, MPH
St. Luke's Hospital and Health Network

ULTRASOUND

- 1:45 – 2:30 p.m. **The fetal anatomy — fetal structural and anomaly detection at 9–16 weeks**
Ilan Timor-Tritsch, MD, *New York University*
- 2:30 – 3:15 p.m. **Pitfalls and artifacts in 3D ultrasound**
Israel Shapiro, MD, *Technion, Haifa, Israel*
- 3:15 – 3:30 p.m. BREAK
- 3:30 – 4:15 p.m. **Doppler studies — their clinical utility in maternal and fetal disease**
Stuart Weiner, MD, *Thomas Jefferson University*

Plenary Session

- 4:15 – 5:00 p.m. **3-4 dimensional ultrasound — gimmick or breakthrough?**
Israel Shapiro, MD, *Technion, Haifa, Israel*
- 5:00 p.m. Wrap-up, evaluation and adjournment

Fetal Echo Course • Saturday, June 5, 2010

- 7:30 – 8:15 a.m. Breakfast and Registration
- 8:15 – 8:30 a.m. **Welcome and overview**
Ossie Geifman-Holtzman, MD
Drexel University College of Medicine
- 8:30 – 9:30 a.m. **Fetal ECHO basics — Normal views in fetal echocardiography: principle and techniques**
Israel Shapiro, MD, *Technion, Haifa, Israel*
- 9:30 – 10:30 a.m. **Indications and genetics implications for fetal ECHO**
Dennis Wood, RDMS, RDCS, RCPT
Thomas Jefferson University
- 10:30 – 10:45 a.m. BREAK
- 10:45 – 11:45 a.m. **Fetal cardiac arrhythmias — their diagnosis and their management**
Jack Rychik, MD, *The Children's Hospital of Philadelphia*
- 11:45 – 12:45 p.m. **Cardiovascular Doppler: normal, fetal disease and twins**
Dennis Wood, RDMS, RDCS, RCPT
Thomas Jefferson University
- 12:45 – 1:30 p.m. LUNCH and panel discussion with the experts
- 1:30 – 2:30 p.m. **Complex heart disease in the fetus — diagnosis and management**
Jack Rychik, MD, *The Children's Hospital of Philadelphia*
- 2:30 – 3:30 p.m. **3-4 dimensional techniques — a glance at new 3-dimensional techniques in fetal ECHO**
Israel Shapiro, MD, *Technion, Haifa, Israel*
- 3:30 – 4:30 p.m. **Teaching and presentation of complicated cases**
Dennis Wood, RDMS, RDCS, RCPT
Thomas Jefferson University
Israel Shapiro, MD, *Technion, Haifa, Israel*
Jack Rychik, MD, *The Children's Hospital of Philadelphia*
- 4:30 p.m. Wrap-up, evaluation and adjournment

“Best group of speakers in the field of prenatal genetics and ultrasound diagnosis.”



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