Prenatal Diagnosis to Fetal Intervention: The Role of Advanced Ultrasonography

In today’s competitive and dynamic healthcare climate, it is critical to use your medical imaging systems to their fullest potential. Our goal at Philips Healthcare is to provide the clinical education you need to make the most of your equipment investment.

**Philips Ultrasound Women’s Healthcare 311**

This one day, physician-led course will provide the learner a comprehensive overview of the clinical applications, techniques and interpretation of 3D/4D ultrasonography to aid in the diagnosis and intervention of fetal anomalies. Educational material will be presented in the form of detailed lectures as well as supervised hands-on scanning sessions.

The course will be presented and facilitated by Jimmy Espinoza, MD, MSc, who is an Associate Professor of Obstetrics and Gynecology, as well as being an attending physician in the Fetal Intervention group in the Division of Maternal-Fetal Medicine at Baylor College of Medicine, Houston, TX.

His clinical interests include the use of 3D/4D ultrasonography in the prenatal diagnosis of various fetal anomalies along with fetal interventions in the management of various abnormal conditions.

Along with our experienced physician faculty, a team of Philips Ultrasound Clinical Education Specialists will be on-site assisting with the instructor led hands-on workshops.

**Audience Statement**

This course is for physicians and sonographers interested in expanding their knowledge on the use of 3D/4D technology in prenatal diagnosis.
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“There is substantial evidence that three- and four-dimensional (3D/4D) ultrasonography (US) facilitate the most challenging evaluation of the fetal anatomy including the fetal heart and brain. In order to use the medical imaging systems to their fullest potential it is important for sonographers and practitioners to familiarize themselves with the principles of 3D/4D ultrasonography and the simplicity of their application to prenatal diagnosis. The adherence to good scanning techniques is also of paramount importance for a thorough evaluation of the growth restricted fetus as well as for a proper understanding of the current role of ultrasound in fetal surgery.”

Course Objectives

Upon completion of this course, the learner should be able to:

- Explain and discuss the principles of 3D/4D ultrasonography
- Explain and discuss the application of 3D/4D US in Prenatal Diagnosis
- Explain and discuss the use of 3D/4D US in First Trimester Fetal Echocardiography
- Describe the principles and application of Doppler Evaluation of different vascular territories in the growth–restricted fetus
- Understand the principles and current applications of ultrasound during fetal surgery

Prerequisite

A thorough knowledge and understanding of 2D ultrasound imaging fundamentals and system instrumentation is required for this program. An understanding of 3D/4D imaging is desirable.

Remote Access Available

This course has remote access opportunities available. Please speak to your Clinical Specialist for more information.

For more information

Contact Philips Ultrasound Clinical Education at 800.522.7022 and visit our education catalog at www.learningconnection.philips.com/ultrasound