

# The Fetal Heart - Fetal Echocardiography

August 26–27, 2016

Maritim International Congress Center & Hotel  
Dresden, Germany

Hosted by DEGUM, FBA,  
Sächsische  
Landesärztekammer  
with approval

of Fetal Medicine Foundation,  
International Society  
of Ultrasound in Obstetrics  
and Gynecology (ISUOG)

DEGUM Deutsche Gesellschaft für  
Ultraschallmedizin e.V. **zertifiziert**

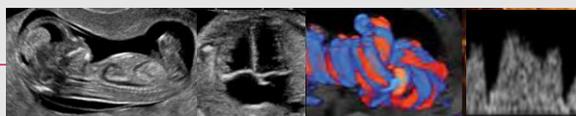
The Fetal Medicine Foundation

isuog

FBA  
empfohlen

## Course Description

The 4<sup>th</sup> International Dresden Ultrasound Symposium The Fetal Heart - Fetal Echocardiography will be taught by nationally and internationally prominent experts. This 2-day course will feature lectures, live hands-on demonstrations, question and answer sessions, and interactive case studies focusing on expanding evidence-based care management strategies relevant to clinical practice decision making. This advanced gynecologic ultrasound practitioners with insights and new skills for the screening, diagnosis, and management of fetal anomalies using ultrasound. There will be in-depth focus on fetal and obstetrical abnormalities, and gynecologic imaging.



## The Fetal Heart - Fetal Echocardiography

### Target Audience

This course is designed for obstetrician / gynecologists, radiologists, ultrasound specialists, genetic counselors and other interested allied health professionals.

### Learning objectives

1. Cite the various indications for a fetal cardiac evaluation, illustrate the yield of fetal echocardiography and discuss the impact of antenatal diagnosis of cardiac disease on infant survival.
2. Teach a comprehensive, segmental approach in fetal cardiac echocardiographic imaging through both didactics and live case demonstrations with pregnant volunteers.
3. Discuss the techniques of evaluating the fetal brain and spine.
4. Incorporate the newly approved updated guidelines for performance of obstetrical ultrasound.
5. Describe the utility of new technologies including detailed first trimester anatomy scan and 3D/4D sonography.
6. Teach a comprehensive approach in maternal fetal Doppler imaging through both didactics and live case demonstrations with pregnant volunteers.
7. Illustrate the use and benefits of Doppler assessment of pregnancy complications.
8. Discuss the ultrasonographic features of various fetal anomalies and discuss their natural history, differential diagnosis and plan for postnatal management.
9. Describe the technique of fetal sonographic imaging in multiple gestational pregnancies.
10. Determine the pregnancy complications associated with multiple gestations and in-vitro fertilization.
11. Recognize various fetal anomalies / genetic syndromes that may be encountered in one's practice through a quiz and through audience participation by their presentation of their own difficult to diagnose cases.
12. Describe the sonographic and clinical manifestations of various gynecological conditions.

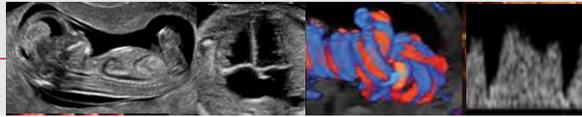
### Language:

German, English

### Registration fee:

<b>Total (including Tax)</b>	300 €
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Registration fee includes Handouts



## The Fetal Heart - Fetal Echocardiography

### COURSE DIRECTORS:

#### **Elena Sinkovskaya, MD, PhD**

ISUOG Ambassador for Russia  
Associate Professor of Obstetrics and Gynecology  
Director of Ultrasound Research and Education  
Division of Maternal-Fetal Medicine  
Eastern Virginia Medical School  
Norfolk, Virginia, USA

#### **Robert Lachmann, MD**

Director of Prenatal Medicine and Fetal Therapy  
Division of Maternal-Fetal Medicine  
University Hospital Carl Gustav Carus  
Dresden, Saxony,  
Germany

#### **Lindsey Allan, MD, PhD**

Director of Fetal Cardiology, retired  
Harris Birthright Research Centre for Fetal Medicine  
Kings College Hospital  
London, United Kingdom

### INVITED FACULTY:

#### **Kypros Nicolaides, MD, PhD**

Director  
Harris Birthright Research Centre for Fetal Medicine  
Kings College Hospital  
London, United Kingdom

#### **Ramesh Ganapathy, MD, PhD**

Consultant for Maternal/Fetal Medicine  
Department of Obstetrics and Gynecology  
Epsom/St Helier University Hospitals  
London, United Kingdom

#### **Martin Kostelka, MD, PhD**

Clinical Professor of Cardiac Surgery in Children,  
Director for Cardiac Surgery in Children  
Leipzig Cardiac Surgery Centre,  
University of Leipzig  
Leipzig, Saxony, Germany

### LOCAL FACULTY:

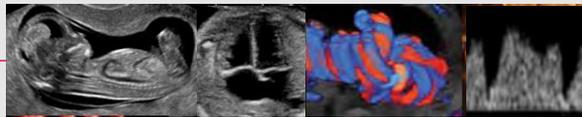
#### **Uwe Schilling, DM**

Director Fetal Medicine Centre  
Prenatal Diagnostics Schillerplatz  
Dresden, Saxony, Germany

### COURSE EXECUTIVE DIRECTOR:

#### **Robert Lachmann, MD**

Director of Prenatal Medicine and Fetal Therapy  
Division of Maternal-Fetal Medicine  
University Hospital Carl Gustav Carus  
Dresden, Saxony, Germany



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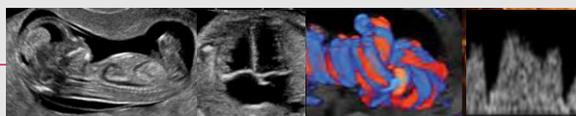
### COURSE PROGRAM

August 26–27, 2016

Dresden, Germany

#### Friday August 26th – Imaging of the Fetal Heart

15:00	Introduction and Welcome
15:10	Fetal Heart Anomalies: Risk Factors, Genetics & Epidemiology (R. Lachmann)
15:30	Fetal Therapy / Fetal Surgery in Congenital Heart Defects (CHD) (L. Allan)
15:50	Peripartum Management: Maternal CHD/Fetal CHD (Ganapathy/Lachmann)
16:45	Screening Programmes for CHD – Performance (Ganapathy)
17:00	Assisted Conception – Impact on Prevalence of CHD (Ganapathy)
17:15	CHD: Screening and Prevention at 11-13 wks (Lachmann)
17:45	Fetal Echocardiography at 12,20&/30wks: Assessment Steps (Sinkovskaya)
18:30	Live Scan/Hands On (Allan/Sinkovskaya/Ganapathy/Lachmann)
20:00	Dinner



## The Fetal Heart - Fetal Echocardiography

### Saturday August 27<sup>th</sup> – Prenatal screening & Fetal Anomalies

09:00	Common CHD :Distribution (Lachmann)
09:15	Tricuspid Atresia – Prenatal Diagnosis /Counselling/ Course (Lachmann)
09:30	Hypoplastic Left Heart – Prenatal Diagnosis / Counselling/ Course (Allan)
09:45	Pulmonary Stenosis – Prenatal Diagnosis /Counselling/ Course (Sinkovskaya)
10:00	Coffee Break
10:30	Transposition of Great Arteries – Prenatal Diagnosis /Counselling/Course (Allan)
10:45	Coarctation of the Aortae – Prenatal Diagnosis /Counselling/ Course (Sinkovskaya)
11:00	Atrial-Ventricular-Septal Defect– Prenatal Diagnosis /Counselling/ Course (Allan)
11:15	Ventricular -Septal Defect – Prenatal Diagnosis /Counselling/ Course (Sinkovskaya)
11:30	Tetralogy of Fallot – Prenatal Diagnosis /Counselling/ Course (Allan)
11:45	Patent Ductus Arteriosus– Risk factors/ Counselling / Course (Sinkovskaya)
12:00	Lunch
13:00	Rare CHD i. e. DORV, Pulmonary Atresia, Ebsteins Anomaly (All)
13:30	Surgery in CHD: Complex Cardiac defects (Kostelka)
14:15	Surgery in CHD: Common cardiac defects (Kostelka)
15:00	Coffee Break
15:30	Screening for CHD using direct/indirect markers at 11-13 weeks (Nicolaidis)*Lecture via Video-Conference
16:00	Hands-On-Training (Allan/Sinkovskaya/Ganapathy/Schilling/Lachmann)
18:00	Take Home Meessage / Q&A / Certificates
18:30	Close