



School of Medicine

Department of Obstetrics and Gynecology's

## **GRAND ROUNDS VIRTUAL LECTURE SERIES**



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Department of Biomedical and Clinical Sciences, University of Milan Italy

**January 25, 2022**

**8:00 AM**

### **"Fetal Growth Restriction and Placental Function"**

#### **Learning Objectives:**

**1) Understanding the metabolic and nutritional phenotype of the growth restricted fetus**

*Fetal metabolic rates, specifically umbilical oxygen delivery and uptakes as well as glucose consumption and metabolic quotients are strikingly different in growth restricted compared to normally grown fetuses.*

**2) Learning how the placenta handles and transfers oxygen and nutrients from the mother to the fetus, particularly in FGR**

*Some nutrients like amino acids need active placental transfer and this is particularly reduced in FGR. Moreover, metabolic changes occur in the FGR placenta that involve alterations in mitochondria and in oxydation*

**3) Learning how placental biomarkers may be helpful for the early diagnosis of FGR and preeclampsia**

*Together with clinical data, placental proteins and uterine Doppler velocimetry studies may help predict changes that need hospitalizations or decisions about timing of delivery*

Commercial Relationship Disclosure: None

#### **Join Microsoft Teams Meeting**

+1 313-261-5339 United States, Detroit (Toll)

Conference ID: 358 626 688#

**Time: 8:00 AM**

The Wayne State University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Wayne State University School of Medicine designates this live activity for a maximum of **1 AMA PRA Category 1 Credit(s)**™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Target Audience: Obstetricians and Gynecologist; Fellows, Residents, and Senior Staff of our affiliated hospitals, and practicing in the community.

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Bernard Gonik, M.D., Program Director has no commercial relationships to disclose.

