



MFM Board Review Course Sunday- February 24, 2019

TIME	LECTURE	LECTURER
7:00-7:30	REGISTRATION / BREAKFAST	
7:30-9:45	Fetal Cardiovascular Physiology Placental Respiratory Gas Exchange and Fetal Oxygenation Common high risk-related diagnosis in babies admitted to the NICU	Sarno
9:45-10:00	BREAK	
10:00-12:15	Biophysical and Doppler Evaluation in Obstetrics Biology, Physiology Characteristics and Control of Myometrial Contraction Maternal Thromboembolic Diseases Zika in Pregnancy	
12:15-1:15	LUNCH	
1:15-3:00	Intensive care monitoring of the critically ill patient Hemodynamic monitoring in pregnancy Cardiac Disease in pregnancy Shock	Shah
3:00-3:15	BREAK	
3:15-5:00	Respiratory Diseases in Pregnancy Physiologic changes of the Respiratory System Pulmonary Edema in Pregnancy Asthma in Pregnancy Pneumonia in Pregnancy	
5:00	DINNER	

Monday – February 25, 2019

TIME	LECTURE	LECTURER
6:30-7:00	BREAKFAST	
7:00-8:00	Anesthetic Considerations for Complicated Pregnancies Preeclampsia Neurologic Disorders Cardiac Disease Discuss leading causes of maternal morbidity and mortality	Isaacs
8:00-8:15	BREAK	
8:15-10:15	Evidence Based Practice in Perinatal Medicine Review of epidemiologic study designs Strengths and limitations of each design and their applicability United States Task Force on 'Level of Evidence' Basic Biostatistics and epidemiologic methods Measures disease frequency and measures of effect Biases in study designs and their impact on interpretation Fundamentals and concepts of statistical tests Tests of differences between 2 groups and more than 2 groups Sample size and statistical power	Ananth
10:15-10:30	BREAK	
10:30-11:10	Test Characteristics Screening versus diagnostic tests Test Statistics [sensitivity, specificity, predictive values, likelihood ratios, area under the curve etc.] Simple example practice problems	Ananth
11:10-11:55	Condition-specific fetal testing	Kiefer
11:55-12:45	LUNCH	
12:45-2:15	Ultrasound Diagnosis and Management of Fetal Anomalies I	
2:15-2:35	BREAK	
2:35-4:35	Ultrasound Diagnosis and Management of Fetal Anomalies II Key OB Emergencies	
4:35	DINNER	

Tuesday – February 26, 2019

TIME	LECTURE	LECTURER
7:30-8:00	BREAKFAST	
8:00-9:30	Chromosome aberrations in humans, Abortuses and Stillbirth Prenatal genetic screening [includes cell free fetal DNA testing]	Day Salvatore
9:30-9:45	BREAK	
9:45-11:40	Prenatal Diagnosis of Congenital Disorders Simple example practice problems Basic Genetic and Patterns of Inheritance include pedigree samples	
11:40-12:40	LUNCH	
12:40- 1:30	Chromosome Analysis [Preparation of Chromosomes] Teratogenesis: principles, mechanisms, specifics of various teratogens, how to review the literature	
1:30-1:40	BREAK	
1:40-2:40	Cell Cycle, Mitosis and Meiosis Genetic testing and DNA Diagnostics [excluding cell free fetal DNA testing]	

Wednesday – February 27, 2019

TIME	LECTURE	LECTURER
7:30-8:00	BREAKFAST	
8:00-9:30	Update on Prediction and/or Prevention of Preterm Births Fetal growth restriction: Diagnosis and Management	Imseis
9:30-9:45	BREAK	
9:45-11:45	Thyroid disease and Pregnancy Rheumatologic and connective tissue disorders in pregnancy Maternal Cardiovascular Adaption in Pregnancy and Maternal Cardiac Diseases	
11:45-12:45	LUNCH	
12:45-3:05	Pregnancy Loss: Evaluation and Treatment Diabetes in Pregnancy Multiple Gestation: Biology of Twinning Clinical Characteristics & Management	
3:05-3:15	BREAK	
3:15-4:50	Maternal and Fetal Infectious Disorders Pregnancy related Hypertension	