

# Thursday, June 4, 2020

## Session 1: Ultrasound - Genetics – Ob/Gyn- MFM Plenary Session

LECTURE HALL A, B, C

### The First Trimester - Early Gestation & Recurrent Pregnancy Loss

MODERATOR Ossie Geifman-Holtzman, MD

7:35 – 7:40 AM

Welcome Note & CME Introduction by Ossie Geifman-Holtzman, MD

7:40- 7:45 AM

Opening Remarks By Owen Montgomery, MD

7:45 – 8:15 AM

Detailed First Trimester Ultrasound - New National Guidelines  
Ilan Timor, MD

8:15 – 8:50 AM

The First Trimester Anatomy - the Normal & Abnormal  
Israel Shapiro, MD

8:50 – 9:15 AM

Ultrasound of Failed Pregnancy and Unknown Location  
Ana Monteagudo, MD

9:15 – 9:55 AM

Genetic Evaluation of Recurrent Pregnancy Loss  
Zev Williams, MD, PhD

9:55 – 10:00AM

Break

## Session 2: Ob/Gyn – MFM

LECTURE HALL B

### Early Gestation & Recurrent Pregnancy Loss

MODERATOR – Ossie Geifman-Holtzman, MD

10:00– 10:30 AM

Management of Pregnancy with  
Unknown Location  
Courtney Schreiber, MD

10:30 – 11:05 AM

Best Practices & Treatment of  
Recurrent Pregnancy Loss  
Zev Williams, MD, PhD

11:05 – 11:35AM

Advances in the Care of Early  
Pregnancy Loss Patients  
Courtney Schreiber, MD

11:35 – 12:05 PM

Hereditary & Acquired  
Thrombophilias  
Michael Paidas, MD

12:05 – 12:35 PM

Insulin Resistance in Pregnancy Loss  
Zev Williams, MD, PhD

12:35 – 12:45PM

Q&A  
Faculty

## Session 3: Ultrasound & Genetics

LECTURE HALL A & C

### Fetal Systems – Face, GI, GU

MODERATOR – Elena Ashkinadze MS, LCGC

10:00 – 10:50 AM

Ultrasound Clues for Genetic  
Syndromes – FACE, GI/GU Tracts  
Leibovitz Zvi, MD, Israel Shapiro,  
MD

10:50 – 11:35 AM

The Geneticist Approach to  
Syndrome Diagnosis  
Debra Day-Salvatore, MD, PhD,  
Elena Ashkinadze, MS, LCGC

11:35 – 12:05 PM

Soft Markers Still Valuable in the Era  
of NIPT?  
Anthony Odibo, MD

12:05 – 12:35 PM

Genetic Syndromes with Normal  
Fetal Ultrasounds - What Are We  
Missing?  
Debra Day-Salvatore, MD, PhD

12:35- 12:45 PM

Q& A  
Faculty

12:45 – 1:15 PM

Break

## Session 4: Obstetrics, MFM, Labor & Delivery

LECTURE HALL B

Moderators: Vincenzo Berghella, MD

Ossie Geifman-Holtzman, MD ( introduce Dr Berghella)

1:15– 1:45 PM

Update PTB Prevention: Singleton &  
Twins  
Vincenzo Berghella, MD

1:45 – 2:15 PM

The IUGR Baby - Evaluation &  
Management  
Anthony Odibo, MD

2:15 – 2:45 PM

Placental Complications

## Session 5 - Ultrasound & Genetics

LECTURE HALL A & C

### The Fetal Brain & Skeletal Dysplasias

Moderator: Elena Ashkinadze MS, LCGC

1:30 – 2:00 PM

The Normal & Abnormal Fetal Brain  
Ana Monteagudo, MD

2:00 – 2:25 PM

Brain Malformations & Genetic  
Syndromes

Debra Lynn Day-Salvatore, MD, PhD

2:25 – 2:55 PM

Fetal Neurology Consult

	<b>Andrei Rebarber, MD</b>		<b>Daniel Licht, MD</b>
2:45 – 3:15 PM	Labor & Delivery Management - Evidence Base <b>Vincenzo Berghella, MD</b>	2:55 – 3:30 PM	Prenatal Diagnosis Skeletal Dysplasia <b>Angie Jelin, MD</b>
3:15- 3:30 PM	Q&A		
<b>3:30 – 3:45 PM</b>		<b>Break</b>	
<b>Session 6: When Ultrasound Meets Obstetrics- Concurrent – Debate &amp; Discussion</b> <b>LECTURE HALL B &amp; C</b> <b>Moderators: Vincenzo Berghella, MD</b>		<b>Session 7: Prenatal Genetics – Concurrent Skeletal Dysplasia, Lysosomal diseases</b> <b>LECTURE HALL A</b> <b>Moderator: Angie Jelin, MD</b>	
3:45 – 5:15 PM	<ul style="list-style-type: none"> <li>• Ultrasound and Prevention of Preterm Labor in Singleton and Twins - Universal Screening - Vincenzo Berghella, MD</li> <li>• Universal Ultrasound Third Trimester Screening Anthony Odibo, MD/ Andrei Rebarber, MD</li> <li>• Ultrasound Use During Labor and Delivery – Federica Bellussi, PhD</li> <li>• NST/BPP – in twins Andrei Rebarber, MD</li> <li>• Cerebro-Placental Ratio - Utilization in High-Risk Pregnancy – Anthony Odibo, MD</li> </ul> <b>Moderator : Vincenzo Berghella, MD</b> <b>Faculty: Anthony Odibo, MD/Federica Bellussi, MD/Andrei Rebarber, MD</b>	3:45 – 4:20 PM	Lysosomal Diseases and Prenatal Implications <b>George Diaz, MD</b>
		4:20- 4:45 PM	Umbilical Cord Blood Transplantation and Regenerative Medicine <b>Haywood Brown, MD</b>
		4:45 – 5:15 PM	Expanded Carrier Screening for Skeletal Dysplasia <b>Katelynn Sagaser, MS, CGC</b>
<b>5:15 – 5:20 PM</b>		<b>Break</b>	
<b>Session 8: Obstetrics/MFM/Genetics/Ultrasound - Plenary</b> <b>LECTURE HALL A, B, C</b> <b>Moderator: Angie Jelin, MD</b>			
5:20 - 5:45 PM	Skeletal Dysplasia - Maternal - Fetal - Obstetrics Protocols <b>Julie Hoover-Fong, MD, PhD</b>		
5:45 - 6:15 PM	Cases with Findings You Won't Forget! <b>Karin Blakemore, MD &amp; Faculty</b>		

## Friday, June 5, 2020

<b>7:35 – 7:45 AM</b>				<b>Welcome Note &amp; CME Introduction</b> <b>Ossie Geifman-Holtzman, MD</b>			
<b>Session 9: Obstetrics, MFM, Genetics, Ultrasound – Plenary</b> <b>LECTURE HALL A, B, C</b> <b>Moderator: Ossie Geifman-Holtzman, MD</b>							
7:45 – 8:20 AM	CMV Update – Diagnosis, Management & Treatment <b>Yves Ville, MD</b>						
8:20 – 8:50 AM	Can We Prevent Stillbirth with Ultrasound? <b>Anthony Odibo, MD</b>						
8:50 – 9:20 AM	Pregnancy Beyond Age 40 <b>Haywood Brown, MD</b>						
<b>9:20 – 9:25 AM</b>				<b>Break</b>			
<b>Session 10: Obstetrics, MFM, &amp; Genetics</b> <b>LECTURE HALL A &amp; B</b> <b>Moderator: Elena Ashkinadze MS, LCGC</b>				<b>Session 11: The OB/GYN Ultrasound</b> <b>LECTURE HALL B</b> <b>Moderators : Dennis Wood RDMS, Stuart Weiner, MD</b>			

9:25 – 9:50 AM	Genetic Aortopathies & Pregnancy <b>Uri Elkayam, MD</b>	9:35 – 10:00 AM	From Cesarean Scar Pregnancy to Placenta Accreta Spectrum (PAS) <b>Ilan Timor, MD</b>
9:50 – 10:20 AM	Cell Free DNA Screening: For & Beyond Down Syndrome <b>Mary Norton, MD</b>	10:00 – 10:25AM	The GYN scan & 3D for the OB sonographer – <b>Ana Monteagudo, MD</b>
10:20 – 10:50 AM	Diabetes-Induced Birth Defects: What Do We Know? What Can We Do? <b>E. Albert Reece, MD, PhD, MBA</b>	10:25 – 10:50AM	Retained Products of Conception: Old Problem, New Observations <b>Ilan Timor, MD</b>
<b>10:50 – 11:05 AM</b>	<b>Break</b>	<b>Break</b>	

<b>Session 12: Fetal Therapy LECTURE HALL A Moderator: Nahla Khalek, MD</b>		<b>Session 13: OB/MFM - Maternal Complications LECTURE HALL B Moderator: Ossie Geifman-Holtzman, MD, Stuart Weiner MD</b>		<b>Session 14: Ultrasound &amp; Fetal ECHO LECTURE HALL C Moderators: Dennis Wood RDMS</b>	
11:05 – 11:35 AM	Fetal GU Abnormalities - Treatment <b>Yves Ville, MD</b>	11:05 – 11:45 AM	Cholestasis of Pregnancy <b>Shailen Shah, MD</b>	11:05 – 11:30 AM	The Adnexal Mass - Benign or Not? <b>Ilan Timor, MD</b>
11:35 – 12:05 PM	fMMC Closure in 21st Century <b>Anthony Johnson, DO</b>	11:45 – 12:25 PM	Pregnancy in Women With Congenital Heart Disease <b>Uri Elkayam, MD</b>	11:30 – 12:00 PM	Everything to Know About Scanning Twins <b>Ana Monteagudo, MD</b>
12:05 – 12:20 PM	Monochorionic Twins - What to Expect? <b>Nahla Khalek, MD</b>	12:25 – 1:00 PM New Developments in Gestational Diabetes Care - Overview <b>E. Albert Reece, MD, PhD, MBA</b>		12:00 – 12:30 PM	Cardiovascular Manifestations of Monochorionic Pregnancy <b>Jack Rychik, MD</b>
12:20 - 12:40 PM	siUGR, TAPS <b>Anthony Johnson, DO</b>			12:30 – 1:00 PM	National Guidelines for Fetal Echocardiography <b>Mary Donofrio, MD</b>
12:40 - 1:00 PM	TTS- Diagnosis & Management <b>Yves Ville, MD</b>				

<b>1:00 – 1:45 PM Lunch</b>					
<b>Session 15: Prenatal Genetic Diagnosis LECTURE HALL A Laird Jackson Symposium Moderator: David Ledbetter, PhD</b>		<b>Session 16: OB/MFM - Maternal Complications LECTURE HALL B Moderators: Ossie Geifman-Holtzman, MD Stuart Weiner, MD</b>		<b>Session 17: Ultrasound &amp; Fetal ECHO LECTURE HALL C Moderators: Dennis Wood RDMS</b>	
1:45 – 1:55 PM	Introduction: <b>Ronald Wapner, MD David Ledbetter, PhD</b>	1:45 – 2:20 PM	Management of Severe Hypertension in Pregnancy <b>Shailen Shah, MD</b>	1:45 – 2:20 PM	Fetal Cardiology: Can Prenatal Diagnosis Improve Outcome <b>Mary Donofrio, MD</b>
1:55 - 2:30 PM	Cytogenetics & CNVs <b>David Ledbetter, PhD</b>	2:20- 2:55 PM	Induction of Labor & Prediction of C/Section <b>Lisa Levine, MD</b>	2:20 – 3:00 PM	Early Fetal ECHO for the MFM Sonographer <b>Jack Rychik, MD</b>
2:30 – 3:00 PM	Cornelia de Lange Syndrome <b>Ian Krantz, MD</b>	2:55 – 3:30 PM Elective induction at 39 Weeks <b>Andrei Rebarber, MD</b>		3:00 – 3:30 PM	How Can We Improve Detection of Fetal Cardiac Anomalies in Under-Served Populations? <b>Bettina Cuneo, MD</b>
3:00 – 3:30 PM	Single Circulating Trophoblast Analysis for Non-Invasive Prenatal Testing				

<b>Arthur Beaudet, MD</b>			
<b>3:30 – 3:45 PM</b>		<b>Break</b>	
<b>Session 18: Prenatal Genetic Diagnosis, Update for Ob/MFM &amp; Genetics</b> <b>LECTURE HALL A &amp; B</b> <b>Laird Jackson Symposium</b> <b>Moderators: David Ledbetter, PhD</b> <b>Elena Ashkinadze MS, LCGC</b>	<b>YOU MAY GO TO THE GENETICS OR ULTRASOUND SESSIONS</b>		<b>Session 20: The Fetal Heart &amp; Fetal ECHO</b> <b>LECTURE HALL C</b> <b>Moderators: Dennis Wood RDMS</b>
3:45 – 4:15 PM	From Tay-Sachs to Pan-Ethnic Screening <b>Adele Schneider, MD</b>		3:45 – 4:15 PM Aortic Stenosis: Fetal ECHO & Fetal Intervention <b>Wayne Tworetzky, MD</b>
4:15 – 4:45 PM	The Clinical Significance of Rare Autosomal Trisomies Detected in CVS <b>Peter Benn, PhD, DSc</b>		4:15 – 4:40 PM Maternal Aspects of Fetal Intervention <b>Louise Wilkins-Haug, MD, PhD</b>
4:45 – 5:15 PM	Exome Sequencing in Prenatal Diagnosis <b>Mary Norton, MD</b>		4:40 – 5:30 PM Congenital Heart Disease and Cognitive Impairment <b>Wayne Tworetzky, MD</b>
5:15 – 5:35 PM	WES and Stillbirth <b>Louise Wilkins-Haug, MD, PhD</b>		5:30 – 6:10 PM Fetal Heart Failure: How to Approach the Hydropic Fetus <b>Mary Donofrio, MD</b>
5:35 – 6:05 PM	Invasive Diagnostic Procedures in the Era of NIPT <b>Ronald Wapner, MD</b>		6:10- 6:15PM Q & A Discussion <b>Faculty</b>
6:05 – 6:15 PM	Q & A <b>Faculty</b>		

## Saturday, June 6, 2020

<b>7:35 – 7:45 AM</b>			
<b>Session 21: Maternal Mortality</b> <b>LECTURE HALL B</b> <b>Welcome Note &amp; CME Introduction</b> <b>MODERATOR - OSSIE GEIFMAN-HOLTZMAN, MD</b>		<b>Session 22: The Fetal Heart - Ultrasound &amp; Genetics</b> <b>LECTURE HALL A &amp; C</b> <b>Welcome Note &amp; CME Introduction</b> <b>Moderators : Dennis Wood RDMS</b>	
7:45 – 8:10 AM	Preventing Maternal Mortality in the underserved <b>Washington Clark Hill, MD</b>	7:45 – 8:20 AM	Evaluating the Fetal Heart During the Routine Anatomy Scan <b>Dennis Wood, RDMS</b>
8:10 – 8:50AM	Maternal Mortality In Philadelphia <b>Roy Hoffman, MD, MPH</b>	8:20 – 8:45 AM	Counseling the Family Following Prenatal Detection of Fetal Heart Disease <b>Jack Rychik, MD</b>
8:50– 9:15 AM	What Should We All Be Doing to Lower Maternal Mortality <b>Washington Clark Hill, MD</b>	8:45– 9:20 AM	Maternal Auto-Immune Induced Fetal Heart Block: State of the Art in 2020 <b>Bettina Cuneo, MD</b>
<b>9:15 -9:20</b>		<b>Break</b>	
<b>Session 23: KEYNOTE SPEAKER</b> <b>LECTURE HALL A &amp; B</b>		<b>Session 24: The Fetal ECHO Course</b> <b>LECTURE HALL C</b>	

<b>MODERATOR - OSSIE GEIFMAN-HOLTZMAN, MD</b>	<b>Moderators : Dennis Wood RDMS</b>	
9:20 - 10:00 AM  Cancer Genetics- Implications for Women's Health <b>Sharon E. Plon, MD</b>		
	9:20 - 10:15 AM	Anomalies of the Right Side - Ebstein Anomaly <b>Wayne Tworezky, MD</b>

<b>10:00– 10:15 AM</b>	<b>Break</b>
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Session 25: Prenatal Genetics LECTURE HALL A Moderator : Elena Ashkinadze MS, LCGC	Session 26: OB/MFM – Concurrent LECTURE HALL B Moderator : Ossie Geifman-Holtzman, MD, Stuart Weiner, MD	Session 27: Fetal ECHO – Continued – Concurrent LECTURE HALL C Moderators : Dennis Wood RDMS
10:15 – 10:45 AM NIPT for Autosomal Trisomies and Partial imbalances <b>Peter Benn, PhD, DSc</b>	10:15– 10:55 AM The 4 <sup>th</sup> Trimester <b>Haywood Brown, MD</b>	10:15- 10:50 AM Septal Defects, Large and Small <b>Shuping Ge, MD</b>
10:45 – 11:05 AM NIPT – Lessons Learned <b>Louise Wilkins-Haug, MD, PhD</b>	10:55– 11:25 AM HIV Update <b>Gregg Alleyne, MD</b>	10:50- 11:25 AM The Rainbow of AV Canal Defects <b>Mary Donofrio, MD</b>
11:05 – 11:30 AM Nuchal Translucency & Serum Screening: Is There A Role in the Era of CFDNA Screening? <b>Mary Norton, MD</b>		11:25 – 12:00 PM Anomalies of the Left Side - Hypoplastic, Single Ventricle <b>Jack Rychik, MD</b>
11:30 – 12:00PM Mosaicism - Impact in Prenatal Diagnosis <b>Brynn Levy, PhD</b>	11:25 – 12:00 PM Uterine Transplant –New Era <b>Anthony Gregg, MD</b>	12:00– 12:30 PM Conotruncal anomalies - Tetralogy of Fallot & Double Outlet Right Ventricle <b>Amanda Shillingford, MD</b>
12:00–12:30PM Genetic Testing for Neurodevelopmental Disorders <b>Christa Martin, PhD</b>	12:00- 12:30PM Fetal Monitoring - New Front <b>Mark Evans, MD</b>	
<b>12:30 – 1:00 PM</b>	<b>Lunch</b>	
Session 28: Prenatal Genetics LECTURE HALL A Moderators Mark Evans, MD	COVID-19 & Pregnancy Symposium LECTURE HALL B Moderator: Ossie Geifman-Holtzman, MD	Session 30: Fetal ECHO – Continued LECTURE HALL C Moderator: Dennis Wood RDMS
1:00 – 2:15 PM 8-9 minutes 4-5 minutes comments	1:00 – 1:45PM Obstetrical Emergencies <b>Haywood Brown, MD</b>	1:00- 1:35 PM Conotruncal Anomalies - Transposition of the Great Arteries <b>Jack Rychik, MD</b>

<p>Debate &amp; Discussion: NIPT and Disclosure of Results for Maternal Cancer Risk – Sharon Plon, MD</p> <ul style="list-style-type: none"> <li>● Implications of Low Fetal Fraction – Peter Benn, PhD, DSc</li> <li>● Maternal Conditions Contributing to "No Call" Results – Mary Norton, MD</li> <li>● NIPT - Genome Versus Targeted - Peter Benn, PhD, DSc</li> <li>● NIPT- Screening for De Novo Mutations - Brynn Levy, PhD</li> <li>● Fetal Sex Discordancy Between NIPT and Ultrasound – Anthony Gregg, MD</li> </ul> <p><b>Faculty: Peter Benn, PhD, DSc, Mary Norton, MD, Sharon Plon, MD, Louise Wilkins, MD, Brynn Levy, PhD, Anthony Gregg, MD</b></p>	<p>2PM-5PM</p> <p>2:00 – 2:05PM</p> <p>2:05 – 2:15PM</p> <p>2:15 – 2:35PM</p> <p>2:35 – 3:10PM</p> <p>3:10 – 3:30PM</p> <p>3:30 – 3:30PM</p> <p>3:50 – 4:10PM</p> <p>4:10 – 4:30PM</p> <p>4:30 – 4:50PM</p> <p>4:50 – 5:00PM</p>	<p><b>COVID-19 and Pregnancy Symposium</b></p> <p>Welcome – Ossie Geifman-Holtzman, MD</p> <p>Opening Remarks – Deborah Birx, MD</p> <p>COVID-19 in Pennsylvania – Rachel Levine, MD</p> <p>COVID 19 Diagnosis, Management and Emerging Treatments – William Short, MD</p> <p>Vertical Transmission - Mother to Baby – Yves Ville, MD</p> <p>COVID19 Maternal-Fetal Medicine Adapted Protocols – Vincenzo Bergehlla MD</p> <p>Universal Testing Approach - Our Experience with COVID19 – Dena Goffman, MD</p> <p>Ultrasound in the COVID Era Obstetricians - Midwives – Angela Ranzini MD</p> <p>Collaboration and Care of the COVID19 patients - Gregg Allyne MD, Leandra Santos , CNM</p> <p>Case Presentation and Q&amp;A</p>	<p>1:35 – 2:05PM</p> <p>Coarctation of the aorta and other arch abnormalities</p> <p><b>Shubhika Srivastava MBBS, MD</b></p>
<p>2:15- 2:45 PM</p> <p>Population Screening for the Genetic Causes of Developmental Brain Disorders</p> <p><b>Christa Martin, PhD</b></p>		<p>2:05– 2:45PM</p> <p>The Genetics of Fetal Arrhythmias</p> <p><b>Bettina Cuneo, MD</b></p> <p>Diagnosis, Management &amp; Outcomes of Fetal Arrhythmias</p> <p><b>Bettina Cuneo, MD</b></p>	
<p>2:45 – 3:15 PM</p> <p>Perinatal Palliative Care: Ethical Challenges</p> <p><b>Steven Ralston, MD</b></p>		<p>2:45– 3:15 PM</p> <p>Using Doppler of the Fetal Circulation - Normal &amp; Abnormal</p> <p><b>Anita Szwast, MD</b></p>	
<p><b>3:15 – 3:30 PM</b></p>	<p><b>Break</b></p>		
<p><b>Session 31: Prenatal Genetics</b></p> <p><b>LECTURE HALL A</b></p> <p><b>Moderators Mark Evans, MD</b></p> <p><b>Elena Ashkinadze MS, LCGC</b></p>		<p><b>Session 33: Fetal ECHO</b></p> <p><b>LECTURE HALL C</b></p> <p><b>Moderators: Dennis Wood RDMS</b></p> <p><b>Jack Rychik, MD</b></p>	
<p>3:30 – 4:00 PM</p> <p>Genomic Medicine - A New Technological Convergence</p> <p><b>Anthony Gregg, MD</b></p>		<p>3:30 – 4:15 PM</p> <p>Lessons Learned: Interesting Fetal Cardiovascular Cases</p> <p><b>Jack Rychik, MD &amp; Fetal ECHO Faculty</b></p>	
<p>4:00-4:30 PM</p> <p>The Various Technologies We Use to Assess Fetuses with Anomalies</p> <p><b>Brynn Levy, PhD</b></p>			
<p>4:30 – 5:15 PM</p>			

11-12 minutes each

4 minutes comments

Discussion & Debate:

- Expanded carrier screening  
– Mary Norton, MD
- Microarray – Challenges in Interpretation – Brynn Levy, PhD
- WES -Indications, Ultrasound – Louise Wilkins-Haug, MD

**Faculty: Peter Benn, PhD, DSc, Mary Norton, MD, Anthony Gregg, MD, Louise Wilkins-Haug, MD, Brynn Levy, PhD**

5:15 – 6:00 PM

Most Interesting Cases

**Elena Ashkinadze, MS, LCGC & Faculty**

- Carl Weiner
- Frederick U Eruo
- Erin McGraw
- Deirdre Sumski
- Brianna Gross, MS, LCGC
- Jennifer Kelly, MS