

**2024 SPECIALTY REVIEW IN NEONATOLOGY**  
*The Premier Board Review Course in Neonatal-Perinatal Medicine*  
February 19 – 24, 2024 | Las Vegas, NV

**DAY 1 – MONDAY, FEBRUARY 19, 2024**

**Introduction to the Course**

Time	Topic	Speaker
8:00 am – 8:10 am	Welcome and Overview of Course	David L. Weisoly, DO

**Maternal-Fetal Medicine**

Time	Topic	Speaker
8:10 am – 9:00 am	The Placenta: Structure, Function and Maternal Disorders Affecting the Fetus	David L. Weisoly, DO
9:00 am – 10:00 am	Maternal-Fetal Medicine High Yield Problem-Based Review: Part 1	Blake Porter, MD
10:00 am – 10:30 am	<b>Break</b>	
10:30 am – 11:30 am	Maternal-Fetal Medicine High Yield Problem-Based Review: Part 2	Blake Porter, MD
11:30 am – 12:00 pm	Board Exam Preparation: What Can You Do to Succeed?	David L. Weisoly, DO

**General Care of the Neonate / Pharmacology/Fluids and Electrolytes / Birth Transition/ Derm**

Time	Topic	Speaker
12:00 pm – 12:30 pm	Neonatal Pharmacology Rapid Review: Audience Response Quiz Session	David L. Weisoly, DO
12:30 pm – 1:30 pm	<b>Lunch</b>	
1:30 pm – 2:15 pm	Neonatal Thermoregulation and Heat Loss: Problem-Based Review and Tutorial	Fernando Moya, MD
2:15 pm – 3:00 pm	<b>The Dharmapuri Vidyasagar Lectureship</b> Fetal and Neonatal Growth / Aberrant Growth States: Audience Response Quiz and Review	David L. Weisoly, DO
3:00 pm – 4:00 pm	Water Balance, Electrolytes and Acid Base: Problem-Based Review and Tutorial	Fernando Moya, MD
4:00 pm – 4:30 pm	<b>Break</b>	
4:30 pm – 5:00 pm	Dermatology Photo Quiz: Rashes and Skin Disorders of the Neonate	Matthew Saxonhouse, MD
5:00 pm – 6:00 pm	Classic Neonatology Problems and Associations – An Interactive High Yield Review for Neonatologists	Matthew Saxonhouse, MD David L. Weisoly DO

## Neonatal Gastroenterology and Nutrition

Time	Topic	Speaker
8:00 am – 10:15 am	Problem-Based Gastroenterology Review – a New Tutorial with Audience-Response Quiz	Camilia Martin, MD* James Moore, MD, PhD
10:15 am – 10:45 am	<b>Break &amp; Exhibits</b>	
10:45 am – 12:15 pm	All About Neonatal Nutrition – a Clinical Based Audience-Participatory Tutorial	James Moore, MD, PhD David L. Weisoly, DO
12:15 pm – 1:15 pm	<b>Lunch &amp; Exhibits</b>	

## Neonatal Hematology / Bilirubin / Neonatal Nephrology

Time	Topic	Speaker
1:15 pm – 2:45 pm	<b>The Richard Rivas Memorial Award Lecture*</b> All About Hematology: <ul style="list-style-type: none"> <li>Review of Hematopoiesis, Hemoglobin and Red Cell Disorders</li> <li>Review of Platelets and Coagulation</li> </ul>	Matthew Saxonhouse, MD
2:45 pm – 3:15 pm	<b>Break &amp; Exhibits</b>	
3:15 pm – 4:30 pm	All About Hematology continued: <ul style="list-style-type: none"> <li>Pathophysiology, Prevention and Management of Bilirubin, Jaundice and Kernicterus</li> </ul>	Matthew Saxonhouse, MD
4:30 pm – 5:15 pm	Neonatal Nephrology: Disorders of Renal Development and Function, Renal Failure/ Chronic Kidney Disease in the Neonate	Ravi M. Patel, MD
5:15 pm – 6:00 pm	Neonatal Nephrology: Acute Kidney Injury and KI and Difficult Nephrology Dilemmas (with some calculations)	Ravi M. Patel, MD
6:00 pm	<b>Adjourn</b>	
7:00 pm – 8:30 pm	<b>Test Your Knowledge: A Fun Board-Type Question and Answer Session</b>	Dara Brodsky, MD Camilia Martin, MD James Moore, MD, PhD Matthew Saxonhouse, MD David L. Weisoly, DO

**Neonatal Respiratory System**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
8:00 am – 9:30 am	Birth Transition and Extrauterine Adaptation/Neonatal Resuscitation/Fetal Lung Fluid	Lucky Jain, MD
9:30 am – 10:30 am	Respiratory Prep for the Neonatal Boards I: Embryology, Lung Development, and Surfactant	Andrew Dylag, MD
10:30 am – 11:00 am	<i>Break &amp; Exhibits</i>	
11:00 am – 11:45 am	Respiratory Prep for the Neonatal Boards II: Pulmonary Mechanics	Andrew Dylag, MD
11:45 am – 12:15 pm	Respiratory Prep for the Neonatal Boards III: Mechanical Ventilation	Martin Keszler, MD
12:15 pm – 1:15 pm	<i>Lunch &amp; Exhibits</i>	
1:15 pm – 2:15 pm	Respiratory Prep for the Neonatal Boards IV: O <sub>2</sub> /CO <sub>2</sub> Gas Exchange	Martin Keszler, MD
2:15 pm – 3:30 pm	Applying Pulmonary Concepts to Clinical Disease	Andrew Dylag, MD Martin Keszler, MD
3:30 pm – 4:00 pm	<i>Break &amp; Exhibits</i>	
4:00 pm – 5:30 pm	Respiratory Disease Question and Answer	Andrew Dylag, MD Martin Keszler, MD
5:30 pm – 6:30 pm	<i>Reception</i>	

## Neonatal Cardiovascular System

Time	Topic	Speaker
8:00 am – 8:35 am	Cardiovascular Physiology of the Fetus	Dara Brodsky, MD
8:35 am – 9:15 am	Cardiac Hemodynamics in the Newborn	Dara Brodsky, MD
9:15 am – 9:45 am	Review of the Pathophysiology and Pharmacotherapy of Neonatal Shock	Dara Brodsky, MD
9:45 am – 10:15 am	<b>Break &amp; Exhibits</b>	
10:15 am – 10:45 am	Cardiac Physiology	Laurie Armsby, MD
10:45 am – 12:00 pm	The Physiology of Congenital Heart Disease and PDA – Part I – Case-Based Examples	Laurie Armsby, MD
12:00 pm – 1:30 pm	<b>Lunch &amp; Exhibits</b>	
1:30 pm – 2:15 pm	The Physiology of Congenital Heart Disease – Part II – Case-Based Examples	Laurie Armsby, MD
2:15 pm – 3:00 pm	ECG, Dysrhythmias and Electrocardiography: A Case-Based Review	Laurie Armsby, MD

## Neonatal Neurology / CV Physiology Tutorial

Time	Topic	Speaker
3:00 pm – 3:45 pm	Neurology I: Cerebral Blood Flow, Intracranial Pressure, and IVH	Suman Ghosh, MD
3:45 pm – 4:30 pm	Neurology II: White Matter Injury, HIE, Intracranial and Extracranial Hemorrhage	Suman Ghosh, MD
4:30 pm – 5:00 pm	<b>Break</b>	
5:00 pm – 7:15 pm	Cardiovascular Physiology Problem-Solving Tutorial	Dara Brodsky, MD Laurie Armsby, MD

**Genetics, Central Nervous System Part II, Neonatal Neurology and Core Scholarly Activities /  
Biostatistics**

Time	Topic	Speaker
8:00 am – 9:00 am	Genetics Principles and Inborn Errors of Metabolism	Michael Gambello, MD
9:00 am – 10:30 am	Chromosome, Mendelian and Non-Mendelian Disorders: High Yield Rapid Review	Michael Gambello, MD
10:30 am – 11:00 am	<b>Break</b>	
11:00 am – 12:30 pm	Neonatal Neurology 3: Review of Neonatal Neurologic Disorders, Seizures, Cerebral Palsy and Neurodevelopmental Outcomes of CP	Suman Ghosh, MD
12:30 pm – 1:30 pm	<b>Lunch</b>	
1:30 pm – 3:30 pm	Review of Core Scholarly Activities, Management of Neonatal Care Systems, Quality Improvement and Biostatistics for the Neonatologist	John Zupancic, MD
3:30 pm – 4:00 pm	<b>Break</b>	

**Neonatal Infectious Diseases**

Time	Topic	Speaker
4:00 pm – 5:00 pm	Neonatal Bacterial Infections – An Interactive Review with Audience Response	James Wynn, MD
5:00 pm – 6:00 pm	Neonatal Viral Infections – An Interactive Review with Audience Response	James Wynn, MD
6:00 pm – 6:30 pm	Neonatal Infection Potpourri: Audience Response Quiz Session	James Wynn, MD

### Neonatal Endocrinology and Metabolism

Time	Topic	Speaker
8:00 am – 8:45 am	Neonatal Thyroid and Pituitary Disorders	Mark Vanderwel, MD
8:45 am – 9:30 am	Adrenal Gland Disorders / Steroid Pathways / CAH Review	Mark Vanderwel, MD
9:30 am – 10:15 am	Calcium and Phosphorus Metabolism and Disorders	Mark Vanderwel, MD
10:15 am – 10:45 am	<i>Break</i>	
10:45 am – 11:30 am	Pathophysiology of Glucose Metabolism and Homeostasis	Mark Vanderwel, MD

### Neonatal Immunology and Course Conclusion

Time	Topic	Speaker
11:30 am – 12:30 pm	High Yield Clinical Immunology for the Neonatologist	James Wynn, MD
12:30 pm	<i>Closing Remarks</i> <i>CE / Course Evaluations</i> <i>Adjourn</i>	
<p>The link for Specialty Review Pre-Test and Post-Test will be emailed to attendees in a protected non-printable format. These links will be available until <b>May 1, 2024 ONLY</b></p>		