



**2022 SPECIALTY REVIEW IN NEONATOLOGY**  
**The Premier Board Review Course in Neonatal-Perinatal Medicine**  
 March 1-6, 2022 | San Diego, CA

**DAY 1 – TUESDAY, MARCH 1, 2022**

**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 Burchfield, MD
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	<i>The Dharmapuri Vidyasagar Lectureship</i> Fetal and Neonatal Growth / Aberrant Growth States: Problem-Based 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 – 5:30 pm	Classic Neonatology Problems and Associations – An Interactive High Yield Review for Neonatologists	Matthew Saxonhouse, MD David L. Weisoly, DO
5:30 pm – 6:00 pm	Dermatology Photo Quiz: Rashes and Skin Disorders of the Neonate	Matthew Saxonhouse, MD David L. Weisoly, DO



**DAY 2 – WEDNESDAY, MARCH 2, 2022**

## Neonatal Gastroenterology and Nutrition

Time	Topic	Speaker
8:00 am – 10:15 am	Problem-Based Gastroenterology Review – an Audience-Participatory Tutorial	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 – an 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	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> Audience Response Quiz on Blood Smears	Matthew Saxonhouse, MD
4:30 pm – 5:15 pm	Neonatal Nephrology: Renal Development and Function, Renal Failure	Ravi M. Patel, MD, MSc
5:15 pm – 6:00 pm	Neonatal Nephrology: AKI and Nephrology Problems/Calculations	Ravi M. Patel, MD, MSc
6:00 pm	<b>Adjourn</b>	
7:00 pm – 9:00 pm	<b>SR Battle of the Boards – 6<sup>th</sup> Edition!!</b> <b>An Evening of Quiz Questions &amp; Camaraderie!</b>	Dara Brodsky, MD Camilia Martin, MD James Moore, MD, PhD Matthew Saxonhouse, MD David L. Weisoly, DO



**DAY 3 – THURSDAY, MARCH 3, 2022**

## Neonatal Respiratory System

Time	Topic	Speaker
8:00 am – 9:00 am	Birth Transition and Extrauterine Adaptation/Neonatal Resuscitation	Lucky Jain, MD
9:00 am – 9:45 am	Lung Development and What Can Go Wrong	Lucky Jain, MD
9:45 am – 10:15 am	<b>Break &amp; Exhibits</b>	
10:15 am – 11:00 am	RDS and Surfactant Proteins/Surface Tension and Balloon Problems	Lucky Jain, MD
11:00 am – 12:00 pm	Respiratory Mechanics: Respiratory Physiology, Pulmonary Function Testing	David Burchfield, MD
12:00 pm – 1:00 pm	<b>Lunch &amp; Exhibits</b>	
1:00 pm – 2:00 pm	Pulmonary Hypertension: Hypoxic Respiratory Failure / MAS / PPHN and Intrinsic Pulmonary Disorders or Anomalies Resulting in PPHN	David Burchfield, MD
2:00 pm – 2:45 pm	Interactive Case-Based Review of O <sub>2</sub> and CO <sub>2</sub> Physiology, Alveolar Gas Equation, Bohr Effect with Audience Response	Martin Keszler, MD
2:45 pm – 3:30 pm	Physiology of Mechanical Ventilation: Do You Understand the Modes, Loops and Curves? A Case-Based Review with Audience Response	Martin Keszler, MD
3:30 pm – 4:00 pm	<b>Break &amp; Exhibits</b>	
4:00 pm – 5:30 pm	Pulmonary Problem-Solving Workshop / Tutorial I (Audience Response Quiz Session)	Lucky Jain, MD Martin Keszler, MD
5:30 pm – 6:30 pm	Pulmonary Problem-Solving Workshop / Tutorial II	Lucky Jain, MD Martin Keszler, MD
6:30 pm – 7:30 pm	<b>Reception (TBD)</b>	



**DAY 4 – FRIDAY, MARCH 4, 2022**

## 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	Pathophysiology of Cerebral Blood Flow, Intracranial Pressure, and IVH	Michael Weiss, MD
3:45 pm – 4:30 pm	White Matter Injury, HIE, Intracranial and Extracranial Hemorrhage	Michael Weiss, MD
4:30 pm – 5:00 pm	<b>Break</b>	
5:00 pm – 7:15 pm	A New Cardiovascular Physiology Problem Solving Tutorial	Dara Brodsky, MD Laurie Armsby, MD



**DAY 5 – SATURDAY, MARCH 5, 2022**

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

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
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: 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 – 3:00 pm	Review of Core Scholarly Activities and Biostatistics for the Neonatologist	John Zupancic, MD
3:00 pm – 3:30 pm	<b>Break</b>	

## **Neonatal Infectious Diseases**

<b>Time</b>	<b>Topic</b>	<b>Speaker</b>
3:30 pm – 4:30 pm	<i>The Richard Rivas Memorial Award Lecture*</i> Neonatal Bacterial Infections – An Interactive Review with Audience Response	James Wynn, MD
4:30 pm – 5:30 pm	Neonatal Viral Infections – An Interactive Review with Audience Response	James Wynn, MD
5:30 pm – 6:15 pm	Neonatal Infection Potpourri: Audience Response Quiz Session	James Wynn, MD



**DAY 6 – SUNDAY, MARCH 6, 2022**

### Neonatal Endocrinology and Metabolism

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

### Core Scholarly Activities / Biostatistics for the Neonatologist: Part II

Time	Topic	Speaker
11:30 am – 12:15 pm	<b>Lunch</b>	
12:15 pm – 2:00 pm	Audience Response Quiz: “Do You Really Understand the Stats?”	Reese Clark, MD

### Neonatal Immunology

Time	Topic	Speaker
2:00 pm – 2:45 pm	High Yield Clinical Immunology for the Neonatologist	James Wynn, MD
2:45 pm	Closing Remarks CE / Course Evaluations Adjourn	