



PROGRAM

Subject to change

- 8:00 am Opening Remarks
 Carlos E. Mendoza, MD
- 8:05 Round Table
 Understanding the Audience, Questions and Answers
 Carlos E. Mendoza, MD
 Tamara Juvier, MD

Session I: Basic Principles of Visual Electrophysiology and Cellular Correlation

- 8:20 Cellular Anatomy of the Retina and Electrophysiology Correlation
 Nicolas Cuenca, MD
- 8:40 Overview, Testing Modalities, Recording Techniques, Normal Results
 Carlos E. Mendoza, MD
- 8:50 Full-Field ERG
 Ramiro Maldonado, MD
- 9:05 Multifocal ERG
 Laura Echandi, MD
- 9:20 Pattern ERG
 Tamara Juvier, MD
- 9:35 Pediatric Electrophysiology
 Pablo Altschwager, MD
- 9:50 EOG
 Tamara Juvier, MD
- 10:00 Flash VEP, Pattern VEP, Sweep VEP, and Multifocal VEP
 Carlos E. Mendoza, MD
- 10:10 Case Presentations: Visual Electrophysiology as a Tiebreaker
 Thomas Hedges MD, Ramiro Maldonado MD, Pablo Altschwager MD,
 Laura Echandi MD, Carlos E. Mendoza MD, Tamara Juvier MD

10:30 Refreshment Break

Session II: Advanced Visual Electrophysiology

- 10:45 How A Visual Electrophysiology Machine Actually Works
 Carlos E. Mendoza, MD
- 11:00 Methods of Acquisition and Analysis of Electrophysiological Signals
 Carlos E. Mendoza, MD

- 11:15 Setting up your Visual Electrophysiology Laboratory Checklist
Tamara Juvier, MD
- 11:30 Artifacts in Electrophysiology:
How to Detect Them and How to Avoid Them
Tamara Juvier, MD
- 11:40 Extended Protocols:
PhNR, S-Cone ERG, On-Off responses, Scotopic Response
Tamara Juvier, MD
- 12:00 Full-field Stimulus Threshold (FST) Test
Ramiro Maldonado, MD
- 12:15 How to Write a Visual Electrophysiology Test Report
Carlos E. Mendoza, MD
- 12:30 Lunch with the Experts and Discussion**
Thomas Hedges MD, Ramiro Maldonado MD, Pablo Altschwager MD,
Laura Echandi MD, Byron L. Lam MD, Nicolas Cuenca PhD,
Carlos E. Mendoza MD, Tamara Juvier MD

**Session III: Inherited Retinal Disease:
From Clinical and Molecular Diagnosis to Gene Therapy and Clinical Trials**

- 1.30 Clinical and Molecular Diagnosis of Inherited Retinal Diseases
Carlos E. Mendoza, MD
- 1:45 IRD Mimickers
Janet L. Davis, MD
- 2:00 Strategies for Genetic Testing and Interpretation in IRDs
Jesse Sengillo, MD
- 2:15 Principles of Gene Therapy
Carlos E. Mendoza, MD
- 2:30 Gene Therapy for Inherited Retinal Diseases:
Surgical Considerations
Audina M. Berrocal, MD
- 2:45 Current Clinical Trials in Inherited Retinal Diseases
Byron L. Lam, MD
- 3:05 How to Conduct Clinical Trials for Inherited Retinal Diseases
Byron L. Lam, MD
- 3:25 IRDs Case Presentations
Maja Kostic, MD, Jesse Sengillo MD, Ramiro Maldonado, MD,
Alejandra Antacle, MD, Thomas Hedges MD, Pablo Altschwager MD
- 3:55 Round Table
Course Feedback, Questions and Answers
Carlos E. Mendoza, MD and all Faculty
- 4:10 Adjourn**

Session IV: Practical demonstration of Visual Electrophysiology Techniques

4:15 Hands-on Course

5:00 Closure