

# SEVN's Advanced Neurodiagnostics Conference Agenda

## Day 1: Tuesday, April 1, 2025

### 1:00 - 1:10 pm - Introductions

### 1:10 - 2:00 pm

Topic: Electroencephalography Theory, Generation & Normal Studies | More Physics: This Time with Squiggles in 12 Channels!

Speaker: Chris Mariani DVM, PhD, DACVIM (Neurology)

### 2:00 - 2:50 pm

Topic: Clinical Applications of Electroencephalography in Your Hospital | Is there EEG on my face? Speaker: Chris Mariani DVM, PhD, DACVIM (Neurology)

### 2:50 - 3:10 pm - Break

### 3:10 - 4:00 pm

Topic: An Introduction to MRI Physics

Speaker: Steve Roberts, PhD

### 4:00 - 4:50 pm

Topic: Understanding MR Image Artifacts and How to Reduce Them

Speaker: Steve Roberts, PhD

### 4:50 - 5:00 pm - Close

### 5:00 - 6:00 pm - Networking Hour

## Day 2: Wednesday, April 2, 2025

### 7:00 - 8:00 am - Breakfast

### 8:00 - 8:10 am - Introductions

### 8:10 - 9:00 am

Topic: Electrodiagnostics: Equipment and Methodology | Little did you know your residency was half physics

Speaker: Fred Wininger VMD, MS, DACVIM (Neurology)

### 9:00 - 9:50 am

Topic: Electromyography in Practice | Just stick a needle in it

Speaker: Fred Wininger VMD, MS, DACVIM (Neurology)

### 9:50 - 10:10 am - Break

### 10:10 - 11:00 am

Topic: Motor Nerve Conduction Velocities | If my car is driving at 47 mph how long till we reach Albuquerque

Speaker: Fred Wininger VMD, MS, DACVIM (Neurology)

### 11:00 - 11:50 am

Topic: The Late Waves of the Motor Nerve Conduction Velocity Study & Sensory Nerve Conduction, Cord Dorsum Potential, and Junctionopathies | Hit Me Back Yo” & “Safety-Factor First Speaker: Fred Wininger VMD, MS, DACVIM (Neurology)

### 11:50 - 1:00 pm - Lunch

### 1:00 - 1:50 pm

Topic: Auditory Assessment | Papa, can you hear me?

Speaker: Fred Wininger VMD, MS, DACVIM (Neurology)

### 1:50 - 2:40 pm

Topic: Approach to MRI Interpretation - Atomic Habits for Systematic Review

Speakers: Robert Cole, DVM, DACVR (Radiology, Equine Diagnostic Imaging) & Amanda R. Taylor, DVM, DACVIM (Neurology), CVA, CCRP

### 2:40 - 3:00 pm - Break

### 3:00 - 3:50 pm

Topic: Normal MRI/CT Anatomy and Congenital Conditions - How do you define normal? Speakers: Robert Cole, DVM, DACVR (Radiology, Equine Diagnostic Imaging) & Amanda R. Taylor, DVM, DACVIM (Neurology), CVA, CCRP

### 3:50 - 4:40 pm

Topic: Neoplasia and Inflammatory Diseases - How common are they?

Speakers: Robert Cole, DVM, DACVR (Radiology, Equine Diagnostic Imaging) & Amanda R. Taylor, DVM, DACVIM

(Neurology), CVA, CCRP

**4:40 - 5:00 pm - Close**

### **Day 3: Thursday, April 3, 2025**

**7:00 - 8:00 am - Breakfast**

**8:00 - 8:10 am - Introductions**

**8:10 - 9:00 am**

Topic: Vascular and Traumatic Diseases - The bigger they are, the harder they fall...including a review on equine cervical myelopathy

Speakers: Robert Cole, DVM, DACVR (Radiology, Equine Diagnostic Imaging) & Amanda R. Taylor, DVM, DACVIM (Neurology), CVA, CCRP

**9:00 - 9:50 am**

Topic: MRI Case Discussion Part 1

Speakers: Robert Cole, DVM, DACVR (Radiology, Equine Diagnostic Imaging) & Amanda R. Taylor, DVM, DACVIM (Neurology), CVA, CCRP

**9:50 - 10:10 am - Break**

**10:10 - 11:00 am**

Topic: MRI Case Discussion Part 2

Speakers: Robert Cole, DVM, DACVR (Radiology, Equine Diagnostic Imaging) & Amanda R. Taylor, DVM, DACVIM (Neurology), CVA, CCRP

**11:00 - 11:50 am**

Topic: Introduction to Neuropathology Terms Including Histochemical Stains and Immunohistochemistry

Speaker: Alina Demeter, DVM, PhD, DACVP

**11:50 - 1:00 pm - Lunch**

**1:00 - 1:50 pm**

Topic: Introduction Continued and Congenital/Inherited Diseases of the CNS

Speaker: Alina Demeter, DVM, PhD, DACVP

**1:50 - 2:40 pm**

Topic: Neoplasia - Gliomas & Meningiomas

Speaker: Alina Demeter, DVM, PhD, DACVP

**2:40 - 3:00 pm - Break**

**3:00 - 3:50 pm**

Topic: Neoplasia - Common & Uncommon Neoplasms of the CNS

Speaker: Alina Demeter, DVM, PhD, DACVP

**3:50 - 4:50 pm - Platinum Sponsor**

**4:50 - 5:00 pm - Close**

**5:30 - 7:30 pm - Rhythm & Vine Dinner & Networking**

### **Day 4: Friday, April 4, 2025**

**7:00 - 8:00 am - Breakfast**

**8:00 - 8:10 am - Introductions**

**8:10 - 9:00 am**

Topic: Infectious Conditions of the CNS

Speaker: Alina Demeter, DVM, PhD, DACVP

**9:00 - 9:50 am**

Topic: Inflammatory Conditions of the CNS

Speaker: Alina Demeter, DVM, PhD, DACVP

**9:50 - 10:10 am - Break**

**10:10 - 11:00 am**

Topic: Vascular Conditions of the CNS

Speaker: Alina Demeter, DVM, PhD, DACVP

**11:00 - 11:50 am**

Topic: Clinical Cases in Practice

Speaker: Alina Demeter, DVM, PhD, DACVP

**11:50 - 12:00 pm - Close & Dismiss**