

## UMASS Clinical Elective Rotations for Neurology Residents

### 1. EEG/Epilepsy

**Length of rotation:** Minimum of 1 week and up to 4 weeks

**Brief description:** Time spent learning how and actively engaging in the interpretation of EEG

**Preceptor:** Cathy Phillips, Felicia Chu, Ika Noviawaty, Neville Jadjeja

**Contact person:** Felicia Chu: [Felicia.Chu@umassmemorial.org](mailto:Felicia.Chu@umassmemorial.org)

### 2. EMG/NCV/Neuromuscular Medicine

**Length of rotation:** 4 weeks

**Brief description:** To get exposure to patients with neuromuscular disorders, learn the diagnostic approach and work up, recognize when tissue biopsy is indicated, interpret results of EMG/NCS studies, and learn the management of common neuromuscular disorders. To learn NCS/EMG and describe and interpret NCS/EMG data in common disorders, learn the pitfalls and formulate basic NCS/EMG plans for specific common clinical presentations.

**Preceptors:** Kate Daniello, Isabelita Bella, Lan Qin, Jane Sargent, Ayo Owegi, Mehdi Ghasemi

**Contact person:** Kate Daniello, Pager 7208; [kate.Daniello@umassmemorial.org](mailto:kate.Daniello@umassmemorial.org)

### 3. Clinical Neuroimmunology/Multiple Sclerosis

**Length of rotation:** 2-4 weeks

**Brief description:** To see patients with various forms of MS, and evaluate a variety of "MS mimics" such as SLE, sarcoidosis, etc and learn aspects of neurological examination that are most relevant to demyelinating disease patients

**Preceptors:** Peter Riskind, Carolina Ionete, Roberto Bompreszi, Idanis Berrios-Morales

**Contact Persons:** Peter Riskind, Carolina Ionete, [Peter.Riskind@umassmemorial.org](mailto:Peter.Riskind@umassmemorial.org)

### 4. Movement disorders

**Length of rotation:** minimum 1 week

**Brief description:** This rotation will provide residents with the opportunity to see patients with a variety of movement disorders including Parkinson's disease, tremor, multiple system atrophy, progressive supranuclear palsy, ataxia, and dystonia. They will also have the option to attend deep brain stimulation clinic and botulinum toxin clinic. The goals of the rotation are to learn techniques pertinent to the movement disorders exam, the movement review of systems, forming a differential diagnosis, and principles of management.

**Preceptors:** Dr. Anindita Deb, Dr. Kara Smith

**Contact person:** Anindita Deb, 774-455-4208, [Anindita.deb@umassmemorial.org](mailto:Anindita.deb@umassmemorial.org)

### 5. ALS clinic

**Length of rotation:** Two days in the ALS clinic per resident (2<sup>nd</sup> and 4<sup>th</sup> Friday of the month).

**Brief description:** Exposure to ALS patients. Key aspects would be learning history and examination, evaluations done to rule out mimics of Motor Neuron Disease, as well as multiple aspects of care. These would include multidisciplinary evaluations/approach to issues such as

dysphagia, sialorrhea, when a PEG tube is indicated, respiratory care, as well as clinical trials and research in ALS

**Preceptor:** Ayo Owegi D.O.

**Contact Person:** Renee Tetreault/508-334-0248, [renee.tetreault@umassmemorial.org](mailto:renee.tetreault@umassmemorial.org)

## 6. Neuropathology

**Length of rotation:** 1-2 months (Depending on Schedule) 2 one hour microscope sessions per week plus additional 'ad hoc' brain cutting sessions (TBD)

**Brief description:** The elective will provide an opportunity to: 1) review normal histology and a variety of pathologic abnormalities involving CNS, nerve and muscle 2) review and discuss the pathophysiology of CNS/PNS diseases; 3) review normal/abnormal brain anatomy and function by attendance at brain cutting sessions.

**Preceptor:** Thomas W. Smith, MD

**Contact person:** Thomas W. Smith MD, 508-856-2331. [thomas.smith@umassmemorial.org](mailto:thomas.smith@umassmemorial.org)

## 7. Neurocritical Care

**Length of rotation:** Minimum of 1 week up to 4 weeks

**Brief description:** Exposure to severe neurologically critically ill disease patients such as cerebral hemorrhage, traumatic brain injury, subarachnoid hemorrhage and stroke and to the clinical approach and critical care management of these patients.

**Preceptors:** Raphael Carandang, Wiley Hall, Susanne Muehlschlegel, Marcey Osgood

**Contact person:** Raphael Carandang, 508-856-4666, pager 5503, [raphael.carandang@umassmemorial.org](mailto:raphael.carandang@umassmemorial.org)

## 8. Diagnostic Neuroradiology

**Length of rotation:** Minimum of 1 week/Can be individualized

**Brief description:** Experience interpretation and reading CT scan and MRI imaging studies with Neuroradiology attendings

**Preceptors:** Andrew Chen, Sathish Dundamadappa

**Contact person:** Andrew Chen, Sathish Dundamadappa, [Andrew.Chen@umassmemorial.org](mailto:Andrew.Chen@umassmemorial.org)

## 9. Neurointerventional Radiology

**Length of rotation:** 4 weeks

**Brief description:** Exposure to clinical approach and treatment of patients with neurovascular disease, interventional-angiogram/catheter based procedures for ischemic and hemorrhagic stroke.

**Preceptors:** Ajit Puri, Jasmeet Singh, Francesco Massari, Katyucia De Macedo-Rodrigues

**Contact person:** Katyucia De Macedo-Rodrigues

[Katyucia.DeMacedoRodrigues@umassmemorial.org](mailto:Katyucia.DeMacedoRodrigues@umassmemorial.org)

## 10. Neurosurgery

**Length of rotation:** 2-4 weeks

**Brief description:** Rotate with Neurosurgery Pas and Attending physicians and get exposure to neurosurgical diseases such as brain tumors, aneurysms, spinal disease, hydrocephalus etc and an opportunity to see surgical management of these diseases.

**Preceptors:** Richard Moser, Oguz Cataltepe, Mark Johnson, Farid Sichani, Justin Slavin

**Contact info:** [Richard.Moser@umassmemorial.org](mailto:Richard.Moser@umassmemorial.org); [Mark.Johnson@umassmemorial.org](mailto:Mark.Johnson@umassmemorial.org)

## 11. Ophthalmology

**Length of rotation:** 1 week.

**Brief Description:** Shadow ophthalmology attendings in the clinic and see patients with a variety of ophthalmologic conditions. Get more experience with funduscopy, recognizing common variants including optic disc edema. Gain exposure to the OCT and retinal fluoroscopy which helps to further visualize retinal disease.

Location: The Eye Center, Hahnemann campus, 281 Lincoln Street, 3rd floor. Parking and ID access are already provided with your current ID.

**Preceptors:** Misha Faustina, MD; Haijiang Lin, MD, PhD; Gabriel Luna, MD; Priya Janardhana, MD; Shlomit Schaal, MD, PhD

**Contact person:** Darius Jagminas (508) 856-8132

## 12. Global Neurology

**Length of rotation:** 4 week minimum for elective abroad (can be done in 2 separate 2-week rotations) Logistics to be determined/worked out but resident needs to set aside elective time to travel abroad

**Brief Description:** Initiative to interact, travel and engage with communities abroad in teaching, establishing education programs, research collaboration and providing neurological outreach. Potential sites include Gujarat, India; Zambia, Liberia, Bolivia, Costa Rica, Dominican Republic. Limited travel stipends available.

**Preceptor:** Anindita Deb, Andrew Bouley

**Contact person:** Anindita Deb, 774-455-4208, [Anindita.deb@umassmemorial.org](mailto:Anindita.deb@umassmemorial.org)

## 13. Trauma

**Length of rotation:** 1-4 weeks

**Brief Description:** Rotate as a resident on the trauma service and experience acute trauma cases and their emergent assessment and management under the supervision of trauma attendings, senior residents and NPs. This is a unique experience given that we are the only Level 1 trauma center in Central Massachusetts. Regular Trauma Rounds are held weekly as well.

Preceptor: Timothy Emhoff, Bruce Simon, Heena Santry, Ulises Torres, Jon Dorfman, George Debusk

**Contact person:** Timothy Emhoff MD, 508-856-1168, [Timothy.Emhoff@umassmemorial.org](mailto:Timothy.Emhoff@umassmemorial.org)

## 14. Neuroscience Laboratories

These can be arranged on a case-to-case basis based on the Specific Laboratory, and Neuroscientist/Investigator as well as the individual resident's interest and qualifications.