Department of Neurology
FELLOWSHIP OPPORTUNITY
2015

Program Director: Enrique Serrano, M.D.

Clinical Neurophysiology Fellowship

The Clinical Neurophysiology fellowship offered at the University of Miami Miller School of Medicine, Department of Neurology, is a comprehensive, clinical, interdisciplinary program in which fellows acquire in-depth knowledge of clinical neurophysiology including understanding the technology and generation of neurophysiological tests and procedures, interpretation of these procedures, and their application and clinical usefulness.

This is an ACGME-accredited one-year fellowship program. An additional second-year is optional for selected candidates that want to expand research activities. The trainee is expected at the end of the training have expertise in all clinical neurophysiological tests and clinical management of related disorders, and to have the ability to initiate independent clinical research.

Opportunities and Expectations

The clinical neurophysiology fellowship will give trainees the opportunity to develop expertise in the following areas: electroencephalography (EEG), video-EEG telemetry, electrocorticography, electromyography (EMG), nerve conduction studies (NCVs), sleep medicine neurophysiologic evaluation, and evoked potential monitoring including intraoperative monitoring. The disease entities in which the fellows will develop expertise in relationship to the neurophysiologic tests include epilepsy, neuromuscular disease and sleep medicine. The fellow will also have the option to develop research skills in areas such as clinical trials and basic neurophysiology.

After completion of the first year of clinical neurophysiology fellowship, the fellow is expected to be competent in interpreting EEGs, EMG/NCVs, evoked potentials and sleep evaluations, and to have expertise in obtaining a relevant epilepsy, neuromuscular disease and sleep disorders history, will be able to develop a differential diagnostic list based on historical and physical findings, be able to plan a relevant diagnostic evaluation including neurophysiologic tests, interpret the diagnostic evaluation in the appropriate clinical setting, be able to emergently manage epilepsy patients, outline a long-term plan for treatment of the relevant disorders, be able to provide neuromuscular consultations and be a useful resource to general neurologists, supervise and teach junior residents and medical students, understand the health and financial impact of neurophysiologic diseases in the context of the health care system, interact with consultants in closely related fields such as cardiology, and neurosurgery, have an appreciation for academic medicine, clinical research and have completed a research project during the course of the fellowship.
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Rotation and Education

The Clinical Neurophysiology fellowship program is designed to allow the fellow to rotate through the EEG, intraoperative monitoring and epilepsy service at Jackson Memorial Hospital, the EMG/NCV and neuromuscular service at Jackson Memorial Hospital, the outpatient neurophysiology service at the University of Miami Professional Arts Center and the Sleep Disorders Center at the Miami Veteran’s Administration Hospital. Devoted time for research is also an essential part of this program.

The didactic curriculum for fellows includes bimonthly neurophysiology core lectures with clinical teaching sessions and bimonthly case-conferences specifically geared for clinical neurology fellows and epilepsy faculty. The didactic lectures cover a wide range of topics, are well-attended by our fellows, faculty and neurology residents.

Requirements to Apply:

1. Letter of intent
2. Curriculum Vitae
3. Three letters of Recommendation
   (1 Program Director – proving good standing & 2 faculty)
4. ECFMG Certificate (if applicable)
5. USMLE Scores
6. Diploma/ Graduation Certificates

Documents should be sent to:

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University of Miami
Miller School of Medicine