**Clinical Neuromuscular and EMG Fellowship at the University of Alberta**

This is a one-year clinical fellowship in Neuromuscular Medicine and Electromyography. The candidate will receive training in adult neuromuscular disorders, EMG/NCS, peripheral nerve ultrasound, muscle and nerve biopsy, neuropathology, and autonomic disorders.

**Clinical Training (Outpatient):**

All outpatient clinical activities are based out of the University of Alberta Kaye Edmonton Clinic. In a given week there are five full days of adult Neuromuscular, EMG, Neuromuscular Multidisciplinary, ALS Multidisciplinary, Autonomic, Biopsy (muscle and nerve) and Neuromuscular Pathology clinics which are staffed by 8 neuromuscular neurologists and 1 non-neuromuscular EMG neurologist. **The fellow will be expected to attend at least 7 half day clinics per week.** The remainder 3 non-clinical half days will be dedicated to following up on patient’s investigation results and inquiries (especially during the latter half of the fellowship where the fellow will follow patients in longitudinal clinic), completing clinic letters, working on research project, preparing for rounds and didactic lectures to residents, and self-initiated reading.

Neuromuscular and EMG attendings and areas of interest:

1. Dr. Grayson Beecher – peripheral nerve ultrasound, clinical research, EMG
2. Dr. Peter Dobrowolski – ALS, EMG
3. Dr. Daniel Fok – EMG, ALS, Quality Improvement
4. Dr. George Elleker – EMG
5. Dr. Wendy Johnston – ALS and ALS research, palliative care, EMG
6. Dr. Wasim Khan – EMG
7. Dr. Cecile Phan – muscle disorders, neuromuscular pathology, clinical trials, EMG
8. Dr. Zaeem Siddiqi – myasthenia gravis, autonomic disorders, clinical trials in MG and CIDP, EMG
9. Dr. Douglas Zochodne – neuropathies, basic science research, EMG

Non-neuromuscular attending

Dr. Sanjay Kalra – ALS, ALS imaging

The academic year is divided into 3-blocks as followed:

First block (3 month duration):

* Entire block will be spent in the EMG clinic to rapidly gain the skills to perform nerve conductions and electromyography under supervision. A substantial number of neuromuscular patients are also seen in EMG clinics for initial workup and diagnosis, hence neuromuscular training is inherently incorporated in the first block.

Second block (3 month duration). Below is a sample of weekly clinic schedule:

* 3 half days of Neuromuscular clinics
* 3 half days of EMG clinics
* 1 half day alternating between Neuromuscular Multidisciplinary and ALS clinics
* Additional clinical experience in peripheral nerve ultrasound, muscle/nerve biopsies, neuromuscular pathology, single fiber EMG are encouraged

Third block (6 month duration): Below is a sample of weekly clinic schedule:

* 4 half days of Neuromuscular clinics (with option to attend more Neuromuscular Multidisciplinary, ALS or biopsy clinics depending on interest)
* 1 half day of Longitudinal Continuity Clinic
* 2 half days of EMG clinics

It is expected that the fellow will be doing at least 400 EMG studies during the 1-year fellowship The fellow is responsible for keeping track of the number and type of EMG performed to ensure a wide variety of EMG cases are seen including radiculopathies, peripheral nerves entrapment, plexopathies, acute and chronic peripheral neuropathies, neuromuscular junction disorders, motor neuron disorders, and myopathic disorders.

**Longitudinal clinic:**

During the last 6 months of the fellowship, the fellow will have a half day **longitudinal neuromuscular continuity clinic every week** . The clinic is designed for the fellow to have the experience of following their own patients from the initial point of diagnosis to planning/providing ongoing treatment, monitoring progress until the patient is ready to be discharged from the clinic.

**Clinical Training (Inpatient)**

We offer an inpatient adult neuromuscular consultation and EMG service. The fellow is responsible for seeing any inpatient neuromuscular consultation from the ward and discusses with the attending staffing that patient. The fellow is also responsible for follow

up visits until neuromuscular service signs off. Inpatient EMG will also be seen primarily by the fellow when the referral is received on the day the fellow is in the EMG clinic.

**Research:**

The candidate is expected to complete a short clinical or quality improvement project, and is encouraged to pursue additional opportunities for presentations and publications.

**Funding:**

The position is fully funded at salary of $80000 per year

**Vacation and CME:**

4 weeks of vacation and 2 weeks of CME per academic year.

$1000 of CME stipend per fellow per year.