

The Department of Clinical Neurological Sciences [name of Fellowship] Objectives

1. **Name of Fellow – [Fellows name & e-mail address]:**

2. **Duration: [1 or 2 years]**

3. **Fellowship Supervisor (s):**

4. **Description:** Please provide a brief narrative description of the proposed fellowship

This fellowship will provide the learner the opportunity to become proficient in the assessment and management of neuromuscular diseases, and to be a competent electromyographer. The fellow will spend 3-4 half days a week in subspecialty neuromuscular clinics and 3-4 half days a week in the EMG lab. The remaining 2-4 half days will be devoted to academic productivity and the fellow will be expected to complete at least a small clinical research project during the fellowship.

5. **Learning Objectives:** Please outline the key educational objectives for the fellowship. What is the fellow expected to be able to DO by the completion of the fellowship? What are the competencies that the fellow is expected to achieve? Consider framing these as Entrustable Professional Activities (see CSCN EMG EPAs).

1. **Accurately localizes within the nervous system, demonstrating appropriate knowledge of central and peripheral nervous system anatomy (medical expert).**
2. **Develops an appropriate differential diagnosis, considering the referral question and other diagnostic considerations that may change management (medical expert)**
3. **Plan, perform and interpret nerve conduction studies (medical expert).**
4. **Plan, perform and interpret needle electromyography (medical expert).**
5. **Develop an approach to the diagnosis and management of undifferentiated neuromuscular diseases (medical expert).**

6. **Develop expertise in the diagnosis and long term management of ALS, myasthenia gravis, myopathies, and peripheral neuropathies (medical expert).**
7. **Communicates the plan to the patient in a compassionate, appropriate and effective manner (communicator)**
8. **The fellow will be expected to write their CSCN EMG examination at the completion of their fellowship.**
9. **Completion of a clinical research project in neuromuscular disease, under the supervision of one of the neuromuscular neurologists (scholar).**

6. **Curriculum:** Please outline the curriculum, including the timing and sequence of clinical and/or research experiences AND formal academic sessions that are planned.

Throughout the one or two year neuromuscular fellowship, the fellow will have the same schedule. They will spend 3-4 half days per week in the outpatient neuromuscular clinic and 3-4 half days per week in the EMG lab. There are graduated expectations with the fellows heavily supervised by EMG technologists and EMG physicians for the first half of their fellowship. After the first half of their fellowship, they will be expected to perform the nerve conduction studies and EMG independently but there will be assistance immediately available if they require it. In both the clinics and the EMG lab, the fellows will be expected to review all of the cases and patients they see with the supervising staff neurologist/physiatrist.

There are formal academic sessions planned on a monthly basis including monthly EMG case rounds, and monthly Neuromuscular Rounds.

The research project will be supervised by one of the neuromuscular staff.

7. **Service expectations:** Please outline the clinical service expectations for the fellow, including inpatient, ambulatory, emergency and on-call requirements. **The vast majority of the clinical service in this fellowship is in the ambulatory clinics and the EMG lab at University Hospital. Neuromuscular fellows will be occasionally asked to participate in the collaborative management of neuromuscular patients admitted to the hospital. There are no on-call requirements for this fellowship. There is also no travel between hospitals expected as all of the clinics are at University Hospital.**

8. **Academic expectations:** Please outline the academic and scholarly expectations for the fellow (e.g. completion of a scholarly project, writing a

grant proposal, completing and publishing a research project, scholarly teaching, etc.)

Completion and publishing of at least one clinical research project under the supervision of one of our neuromuscular faculty. The fellow will be expected to help design the project, submit the ethics application, conduct the research, then write up the project for publication.

9. **Assessment:** Please outline the assessment strategies used to ensure the fellow is achieving the learning objectives (a portfolio is recommended). The fellow should receive regular formative feedback on progress to date. Consider STACERs and CBD assessment tools such as the “modified O-score”.

NM staff will have ongoing formative feedback with the fellow in both the clinic and in the EMG lab. Fellow progress and knowledge is addressed at our quarterly staff meetings, and at an ad hoc basis as required. In the months leading up to the CSCN exam, we also arrange practice OSCE exam and EMG waveform practice sessions for them.

10. **Relationship to residency program:** Please describe the expected interactions between the fellow and residents in the same or related disciplines. How will competition for clinical opportunities be managed?

We have designed our program so that there are no more than 2 trainees in one location at one time. Because our schedule is created on a half day format, we can only manage a maximum of 2 fellows and 2 residents at any one time. Because the local residents come for intervals of 3 blocks at a time, we have space to accommodate all local neurology and physiatry residents, and also have room for occasional visiting elective residents. There is no expectation that the fellows will teach the residents and there has been no issue with competition for patients over the last 6 years that this schedule has been in place.

11. **Funding:** Identify the source of funding for the fellow/cost centre and the gross (e.g. \$50,000 gross to fellow is \$56,500 coming out of your account) funding amount. A minimum salary of \$50,000CAD is required, although equivalent to the current PGY-1 is recommended.

Our other fellow must come with external funding and we have set a minimum of \$50Knet/\$56500gross as you suggest.

12. **Vacation entitlement:** Provide the amount of time you will offer – vacation time and conference time. Note: vacation time is generally 2 to 4 weeks/year.

The supervisor must discuss the options with the candidate and come to a consensus as to which scenario is chosen.

3 weeks/year