



## Educational Objectives for Clinical Fellowship

*This form is for recognized specialists whose postgraduate medical training program is designed to give them additional expertise but does not lead to additional credentials for practice. The College of Physicians and Surgeons of Ontario (CPSO) requires the submission of a statement of objectives before issuing a postgraduate education certificate of registration for a clinical fellowship appointment.*

- Fellowship
- SEAP – Subspecialty Examination Affiliate Program
- AFC – Areas of Focused Competence Diploma Program

### Trainee Information

Name of Clinical Fellow: \_\_\_\_\_  
First name Last name

Specialty Certification:

Title of Certification: Radiology

Country Issuing Certification: \_\_\_\_\_

### General Information

Department Name: Medical Imaging

Division Name (If applicable): Neuroradiology

Name of Fellowship (*Will appear on the Certificate of Completion issued by PGME – please inform PGME of any changes to name of fellowship*): Advanced Diagnostic Neuroradiology Fellowship

Fellowship Site: Sunnybrook Health Sciences Centre

Fellowship Start Date: \_\_\_\_\_ End Date: \_\_\_\_\_  
Month, Day, Year Month, Day, Year

If re-appointment:

Reappointment Start Date: \_\_\_\_\_ End Date: \_\_\_\_\_  
Month, Day, Year Month, Day, Year

Name of Supervisor: Pejman Maralani

### Fellowship Overview

*Please provide a brief statement of the clinical focus and educational purpose of the fellowship:  
The answer space below will expand to accept point form or paragraph entries. If this fellowship is a re-appointment, please describe the clinical focus and educational purpose of the re-appointment only.*

Neuroradiology is a branch of Diagnostic Radiology concerned with both imaging and image-guided procedures related to the brain, spine and spinal cord, head, neck, and organs of special senses in adults.



## Postgraduate Medical Education UNIVERSITY OF TORONTO

The rotation at Sunnybrook Health Sciences Centre will focus on trauma, emergency and intensive care neuroradiology, stroke imaging, neuro-oncology (brain, skull base and spine), head and neck oncology, temporal bone, neurodegenerative and psychiatric disorders.



## **Fellowship Objectives: CanMEDS Roles**

*Where applicable, please provide objective(s) for each of the following:*

*The answer space below will expand to accept point form or paragraph entries; enter "N/A" if individual CanMEDS role is not applicable*

### **1. Medical Expert**

*As Medical Experts, physicians integrate all of the CanMEDS Roles, applying medical knowledge, clinical skills, and professional attitudes in their provision of patient-centered care. Medical Expert is the central physician Role in the CanMEDS framework*

1. Demonstrate advanced knowledge of anatomy, variant anatomy, clinico-pathologic correlation and the radiology of diseases of the CNS, especially in the areas of brain tumors, acute stroke, complex skull base pathology, trauma, head and neck and CNS infections
2. Demonstrate knowledge and application of CT and MR in acute stroke imaging and application of advanced imaging (CT or MR perfusion, DTI and MR spectroscopy)
3. Protocol neuro CT and MRI studies appropriately
4. Apply knowledge of physical and technical principles for performance and interpretation of diagnostic imaging techniques
5. Exhibit superior diagnostic and interpretive skills and being able to generate differential diagnosis and further management plan relevant to neuroradiology
6. Demonstrate an advanced knowledge of clinical medicine and appropriate management relevant to common/uncommon neurologic disorders
7. Perform spinal percutaneous procedures independently at a specialist level
8. Manage appropriately allergic reactions to contrast agents

### **2. Communicator**

*As Communicators, physicians effectively facilitate the doctor-patient relationship and the dynamic exchanges that occur before, during, and after the medical encounter.*

1. Communicate using a patient-centred approach that encourages patient trust and autonomy, acknowledging the patient's beliefs, values and perspectives
2. Share information and explanations that are clear, accurate, and timely, while checking for patient and family understanding
3. Use communication skills and strategies that help patients and their families make informed decisions regarding common procedures, providing sufficient information regarding risks and benefits of the procedure, and treatment alternatives.
4. Produce superior quality of written reports

### **3. Collaborator**

*As Collaborators, physicians effectively work within a healthcare team to achieve optimal patient care.*

1. Demonstrate appropriate consulting skills when interacting with peers and physician colleagues
2. Ensure timely/appropriate communication of findings with responsible physician and other health care professionals
3. Interact appropriately with other radiology departmental staff, demonstrating a team approach to patient care
4. Participate in site-specific multidisciplinary rounds (stroke, CNS tumour, head & neck tumour, neuro-otology, brain sciences rounds)

### **4. Leader**

*As Managers, physicians are integral participants in healthcare organizations, organizing sustainable practices, making decisions about allocating **resources**, and contributing to the effectiveness of the healthcare system.*

1. Manage daily workflow including prioritizing studies
2. Monitor imaging studies independently and appropriately modify the protocol based on the findings
3. Make cost effective use of health care resources based on sound judgement, balancing resources to maximize benefits to all patients, including managing waiting lists
4. Consistently demonstrate appropriate time management skills
5. Respond to the clinical needs in the emergent and urgent situation as a consultant in neuroradiology
6. Report patient's safety incidents



## 5. Health Advocate

*As Health Advocates, physicians responsibly use their expertise and influence to advance the health and well-being of individual patients, communities, and populations.*

1. Recognize and consider radiation doses when recommending, approving, and protocolling cases
2. Advocate for patient safety at all times in diagnostic imaging situations, including recognition of situations in which imaging or treatment would be detrimental

## 6. Scholar

*As Scholars, physicians demonstrate a lifelong commitment to reflective learning, as well as the creation, dissemination, application and translation of medical knowledge.*

1. Show effectiveness as a teacher, such as through participation in residents/fellows rounds and the teaching of junior trainees or allied health workers
2. Develop a personal continuing education strategy
3. Critically appraise literature and recognize its practical implementation
4. Demonstrate proficient and appropriate use of research skills and contribute to the creation, application and translation of new knowledge and practices

## 7. Professional

*As Professionals, physicians are committed to the health and well-being of individuals and society through ethical practice, profession-led regulation, and high personal standards of behaviour.*

1. Demonstrate knowledge of basic principles and practice of bioethics, and strictly adhere to ethical practices
2. Exhibit exceptional personal and interpersonal professional behaviour (integrity, honesty, and compassion and respect for others; professional appearance, communication, work ethic, punctuality, organization and efficiency)
3. Accept constructive criticism, incorporate feedback into improved personal performance and be aware of own strengths and weaknesses

## **Additional Comments** (Optional)

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