

Fellowship in Genito-Urinary Oncology – Radiotherapy

Program Director: Dr. Joanne Alfieri

Fellowship Supervisors: Drs. Tamim Niazi, Fabio Cury, Luis Souhami

General Information:

- a. **Duration:** one year
- b. **Number of fellows:** maximum of two
- c. **Hospital involved:** Jewish General Hospital (Main site)
McGill University Health Centre

Goals and Objectives:

During this one to two year period of additional training, the fellow will acquire and integrate advanced knowledge and expertise in the state-of-the-art management of patients with genitourinary malignancies, predominantly prostate cancer. The fellow will also acquire knowledge in design, conduct and analysis of phase II and phase III clinical trials by getting involved in GROU-Q run National clinical trials. Upon completion of the program, the fellow will possess the knowledge and skills to be able to independently:

1. Advocate and formulate the management plan for patients with genitourinary tumors using radiation therapy;
2. Plan radiotherapy treatment with different techniques including IMRT, Rapid Arc, brachytherapy;
3. Plan and be familiar with all Linac-based stereotactic radiotherapy treatments, including stereotactic radiosurgery and fractionated stereotactic radiotherapy including different dose regimen and dose constraints for organs at risk;
4. To learn the basic principles of study design in clinical research;
5. To participate in the supervision of residents during their genitourinary radiation oncology rotations.
6. To participate in research projects in genitourinary oncology. The role of the fellow will be:
 - a. To assess the treatment outcomes of patients treated for different genitor-urinary malignancies.
 - b. To participate in currently available genitourinary cancer national and international clinical trials open at the site.
 - c. To participate in current ongoing studies and may have his own research project in the basic science Urology Research Laboratories.
7. The fellow may have to cover departmental day time emergency
8. The fellow may be responsible for resident teaching sessions.

9. The fellow will be expected to participate in the department coverage schedule during regular daytime working hours.

Content and Organization:

The fellow will attend all relevant clinics at the Jewish General Hospital as well as all relevant tumour boards, radiotherapy rounds and patient's management conference. The fellow may attend other McGill University teaching hospital.

Scholarly activities are an integral component of the program. In addition to participation in ongoing clinical research studies, it is expected that the fellow will develop and take to completion at least one clinical/translational/basic research project. A presentation at national or international scientific meetings is strongly encouraged and will be supported financially.

He/she will act as a resource for residents in radiation oncology and contribute to the postgraduate and undergraduate teaching programs in radiation oncology as well as those of related programs (Surgical Oncology, Urology, Medical Oncology).

Vacation/Conferences:

The fellow is granted 4 weeks of vacation plus an additional week during either the Christmas or New Year's holidays. The fellow is also granted one week to attend a conference if he/she wishes to do so. If he/she presents a paper at a major conference, the time of the conference is not counted against his/her conference or vacation time. In addition, he/she may request funding for expenses incurred to attend the meeting where he/she presents, provided that the research was done in the department of Radiation Oncology at Jewish General Hospital, McGill University

General guidelines, prerequisites, and general and specific competencies

General guidelines, prerequisites, and general and specific competencies are given in the McGill Faculty of Medicine website:

<http://www.medicine.mcgill.ca/postgrad/programs.htm>

Evaluation and assessment of progress:

The fellow will present a progress report quarterly to the Fellowship Director. Formal evaluation of the fellow's progress will be performed quarterly according to the Promotions Guidelines.

Before the end of the training period the fellow will be expected to present the results of his/her research project at Radiation Oncology Rounds

Evaluation on completion of the fellowship will require submission of a clinical case log and updated curriculum vitae to the Fellowship Director. This a funded fellowship and on successful completion of the fellowship the fellow will receive a McGill University certificate.

Impact of fellowship on resources for residency training:

The fellow will be based at the Jewish General Hospital, McGill University. He/she will be provided with working space and a computer and will have access to treatment planning computers and all other equipment and support required in order to meet the training objectives.

Patient numbers and other resources at the Jewish General Hospital, division of radiation oncology are more than adequate to support the fellowship program without jeopardizing residency training. To the contrary, we believe that the presence of a fellow in genitourinary program will strengthen training for our residents as well as for residents in other related programs by acting as a resource for them and providing additional teaching through participation in rounds, journal clubs, and the formal teaching programs.