



Department of Diagnostic Radiology
PEDIATRIC RADIOLOGY FELLOWSHIP

The Department of Radiology at McGill University offers a fellowship in Pediatric Radiology at the Montreal Children's Hospital.

Duration: **Two years**

Program Director: Dr. Ricardo Faingold

Attending Staff: Drs Pedro Albuquerque, Lucia Carpineta, A.M. Ó Gorman, Christine Saint-Martin.

General Guidelines:

During the first year, the fellow will be provided with increasing responsibility in the care of patients and in the manual and interpretive skills that relate to pediatric radiology. The program will ensure a broad experience in the performance and supervision of technical procedures and use of equipment in all pediatric radiological imaging modalities or techniques.

There is exposure to: neuroradiology, head and neck imaging, thoracic imaging, abdominal/pelvis imaging, MSK, cardiac and vascular imaging. Image interpretation of pediatric nuclear medicine including PET-CT (positron emission tomography) is available, when reviewing other modalities.

The duration of each of the component rotations in Pediatric Radiology is determined by the Pediatric Radiology Program Director, Dr. Ricardo Faingold, in consultation with the committee members. The committee meets once or twice a month. Every four to six months, the program director meets with the resident, more frequent informal meetings are also held. Six-month evaluations are always performed according to the current standards. Shorter two to three-month evaluations may also be done according to resident's rotations.

First year of pediatric radiology training includes:

- Ultrasound - two months
- GI/GU, including fluoroscopy, CT and MRI - two months
- MSK, including plain films, CT and MRI - two months
- Chest, including plain films, CT and MRI - two months
- Neuroradiology, including plain films, CT, MRI - two months
- Basic interventional studies (+ clinical research) - one month

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An introduction month of four one-week short rotations is also available according to the needs of the resident. Interventional radiology procedures are not always performed on a daily basis. Therefore, this month could be combined with research month. During this year, residents have one academic day per week. Daily teaching sessions are held with radiology residents, and fellows.

The second year of fellowship will be dedicated to a subspecialty or more than one area of interest. A clinical research component is also available. The resident will get in-depth exposure to neuroimaging, body imaging, cardiac MRI or MSK, according to his/her needs. This will be combined to protected academic time.

Seven days of call per month are required.

The residents are required to attend interdepartmental rounds:

Weekly:

- Radiology/Surgery/Pathology
- Neuroradiology rounds
- Tumour board
- Neonatology

Monthly:

- Rheumatology
- Respiratology
- Nephrology/urology
- ENT
- Pediatrics
- Fetal

A total of 80,000 examinations per year are performed at the Montreal Children's Hospital.

Equipment	Quantity	Manufacturer
Conventional Roentgenographic units	5	4 Siemens 1 Toshiba
Fluoroscopic Units	3	1 Philips 1 Toshiba 1 Toshiba Bi Plane Angiography
Portable Units	7	4 x-ray 3 Fluoroscopy
Computed Tomography	1	GE Light Speed 16
Magnetic Resonance Unit 1.5 T	1	GE HDX

The fellows must prepare and present one of the weekly rounds on a rotation basis. They are also required to attend at least one major international conference and also to submit an abstract for presentation. They are encouraged to participate in clinical research and to submit a manuscript for publication.