Elective: Diagnostic Radiology

OVERVIEW

The Department of Radiology at the University of Manitoba is committed to the education of local and visiting undergraduate medical students. Radiology education relies on a strong knowledge of anatomy and we strongly encourage all medical students to commit as much anatomy to memory as possible. All students who wish to explore Diagnostic Radiology as careers are encouraged to schedule exposures and electives with the program coordinator.

INTRODUCTION

We offer electives that are 2-4 weeks in duration. Electives can be organized between any of the three main teaching sites: Health Sciences Centre, St. Boniface Hospital and Children’s Hospital. Additional electives can be arranged in community hospitals in Winnipeg. Electives are on a first-come, first-served basis, but we try to accommodate as many students as possible.

Some of the imaging modalities that medical students may be exposed to are:

- Plain Radiography (X-ray)
- Computed Tomography (CT)
- Magnetic Resonance Imaging (MRI)
- Ultrasound
- Interventional Radiology
- Mammography

Some of the areas that electives may be scheduled in are:

- Abdominal Imaging
- Chest Imaging
- MSK Imaging
- Neuro Imaging
- Interventional Radiology (upon request)
- Ultrasound (upon request)
- Pediatric Radiology (upon request)

Location(s):

Health Sciences Centre, St. Boniface Hospital & Children’s Hospital

Program Coordinator

204-787-1335

Preceptors:

Dr. S. Sookhoo (St. Boniface General Hospital)
Dr. S. Gregoire (Health Sciences Centre)
LEARNING OBJECTIVES (CanMEDS)

Medical Expert
- Become familiar with the role of multimodality Diagnostic and Interventional Radiology and its role in in-patient and out-patient care.
- Become aware of the Radiologists role in the management of in-patients.
- Develop an improved ability to choose the appropriate imaging test for common medical concerns.
- Develop a dependable organ-specific approach to common imaging tests including Radiography, CT MRI, and Ultrasound.
- Be exposed to interventional procedures performed by radiologists.

Communicator
- Establish rapport and good communication with physicians, allied health care team, patients and families
- Effectively communicates relevant information to physicians and healthcare team
- Elicit relevant information and perspectives from physicians and the healthcare team

Collaborator
- Recognize and respect the roles, responsibilities and expertise of all healthcare professionals
- Demonstrate the ability to work as a team for the wellbeing of the patients

Manager
- Determine effective use of information technology
- Gain a better understanding of the allocation of healthcare resources.

Health Advocate
- Promote and participate in patient safety
- Develop an improved ability to choose the appropriate imaging test for patients
- Gain a better understanding of the benefits and risks associated with radiologic procedures

Scholar
- Ability to critically analyse their skills
- Critically appraises medical literature
- Shows motivation to improve their knowledge with reading and reviewing cases
- Demonstrates self-directed learning

Professional
- Demonstrates integrity and honesty
- Understands principles of ethics and applies them to clinical situations
- Knows their own limitations
INFORMATION

Education Rounds and Resources

- Educational Rounds are held on Mondays, Tuesdays, Thursdays and Fridays at 3:30. The rounds alternate between sites, and are held in GG147 (HSC) and A2071-3 at St. Boniface Hospital. (The two sites are linked by MB Telehealth)
- Grand Rounds take place a couple of times a month over the noon hour – the schedule will be
- Students have access to computers and teaching files (the program coordinator will point these out on your orientation tour).
- We have a library with reading materials that can be checked out with the program coordinator.

Online resources and teaching include:

learningradiology.com
auntminnie.com
bonepit.com
radiologyassistant.nl
chestx-ray.com
ctisus.com

Evaluation/Feedback – First Day Orientation/Exit Interviews
On the first day of your elective you are met by the program coordinator and provided with all the necessary documents for your rotation. You will be given a tour of the radiology department before being introduced to the preceptor you are working with that particular day.

As part of the evaluation process, each student is required to complete a PowerPoint (which will be added to our teaching files) on either an interesting case or topic related to radiology/diagnostic imaging. The students are given evaluations to have completed by the preceptors they work with during the rotation. The final ITAR is completed using the feedback provided from the evaluations and the power point.

On the last day of the rotation, electives meet the program coordinator for a brief exit interview. This gives the student a chance to give the program honest, constructive feedback and/or suggestions and hand in the completed evaluations and PowerPoint presentation. Preceptor evaluations and power point presentation are to be handed on the last day of the rotation.