

Elective or Selective Rotation: 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 administrator.

INTRODUCTION

We offer electives that are 2 weeks in duration. Electives can be organized between any of the two main teaching sites: Health Sciences Centre and St. Boniface Hospital. 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

UGME Program Director:

Dr. Colin Roscher

UGME Program Coordinator:

Julianna van den Beuken

Office hours: M-F between 7am-3pm

Email: jvandenbeuken2@hsc.mb.ca or julianna.vandenbeuken@umanitoba.ca

Preceptors:

Dr. S. Sookhoo (St. Boniface General Hospital)

Dr. S. Holmes (Health Sciences Centre)

Dr. C. Roscher UGME PD Radiology

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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 analyze 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

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INFORMATION

Education Rounds and Resources:

It is expected that students will attend any education rounds during their clinical **(in person)** days on the radiology service. You will receive an email from the Radiology Program Administrator with the education sessions for:

- Educational Rounds are held on Mondays, Tuesdays, Thursdays and Fridays at 3:30pm. The rounds alternate between sites, and are held in GG147 (HSC) and A2071-3 at St. Boniface Hospital. (The two sites are linked through a zoom meeting with the links sent out at beginning of the week)
- Grand Rounds take place a couple of times a month over the noon hour on Thursday
- Academic ½ days are held on Wednesdays from 1:00am-4:00pm. The academic ½ days alternate between sites, and are held in GG147 (HSC) and A2071-3 at St. Boniface Hospital. (The two sites are linked through a zoom meeting with the links sent out at beginning of the week)

Online resources and teaching include:

The primary resource recommending for this rotation is www.learningradiology.com

Additional on-line resources for self-directed learning include:

www.auntminnie.com

bonepit.com

www.radiologyassistant.nl

www.chestx-ray.com

www.ctisus.com

Typical Daily Schedule:

0900hrs-1030hrs – Review cases with staff and/or resident

1030hrs-1230hrs - Self-directed learning and lunch

1230hrs-1430hrs - Review cases with staff and/or resident

1430hrs-1530hrs - Self-directed learning

1530hrs-1630hrs – Educational rounds

Reporting Instructions 0900hrs:

At Health Sciences Centre on the first day of your elective or selective rotation you are to report to the assigned location found on student schedule provided by the program administrator.

Peds – Children’s Hospital, 2nd Floor, Ultrasound/Fluoroscopy, Blue Dr. Good Bear Zone

MSK – General Hospital, Main Floor XRAY Department, Green Owl Zone

Abdo – General Hospital, Main Floor, CT Dept JK111, Orange Bison Zone

Neuro /Neuro IR – General Hospital, Main Floor, MRI Department, Green Owl Zone or JM310

Chest – General Hospital, Main Floor, CT Dept, JK111, Orange Bison Zone

Ultrasound, General Hospital, 3rd Floor, Ultrasound Dept, Green Owl Zone

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At St. Boniface Hospital on the first day of your rotation you are to report to the Main X-Ray Desk located in the Diagnostic Imaging Department (2nd floor St. Boniface Hospital) and introduce yourself to the clerk on duty.

If assigned to SBH for your 2-day in-person; you will receive your SBH schedule from Liezel Jenson and will be reviewed together in-person when you arrive.

Evaluation/Feedback:

As part of the evaluation process, rotators are given a daily evaluation form to have completed by the preceptors (resident and/or attending) they work with during the rotation. **The student is responsible for collecting each of the completed daily evaluations and scan them by PDF and email to the UGME Program Administrator on the last day of the rotation jvandenbeuken2@hsc.mb.ca.** The final ITAR is completed by the site director using the feedback provided from the collected evaluations.