

PGY1 Hotseat Rotation Objectives

SUPERVISOR: Dr. Cheryl Jefford, St. Clare's Mercy

ASSESSMENT: **ITER. Face to face feedback** will be given and residents should pursue this with staff. The total number of studies dictated over the rotation will be recorded. DPA cards will be required daily to be sent by the resident to the staff on Hotseat each day. An end of rotation exam concentrating on body/neuro anatomy will also be given during the last week of the rotation.

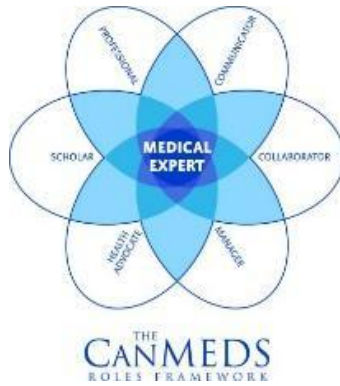
Overall Goal:

1. To provide a strong foundation in reviewing and reporting ER ultrasound, CT and plain films.
2. To provide a strong anatomic foundation in neuro and body anatomy (CT/US/plain film).

Responsibilities: The resident will be responsible for liaising with the ER physician on that day to prioritize, protocol and arrange studies to be done that day. This includes ultrasounds, CT and plain film. It is the responsibility of the resident to ensure technologists are aware a study is pending, and the priority of that study. Once the study is complete, it is the resident's responsibility to promptly review the study, review it with staff on the "Hotseat" assignment, and provide a prompt verbal report to the ordering ER doctor. This study should then be dictated at the time of the verbal provided and to whom it was provided should be included in the dictated report.

The resident is to check in, first thing in the morning, with the radiology staff on Hotseat that morning, the CT and US technologist on that day, and the ER physician to introduce themselves as available to arrange and complete these studies. It is not expected the resident will be able to handle all the volume generated from the ER during this rotation. Staff are responsible for ensuring the studies are completed in a timely manner, however ensuring frequent communication with the staff on the Hotseat assignment that day is crucial to ensure it is clear who is responsible for what studies. There may also be other residents on other rotations that can help with the ER volume (such as body CT, neuro ENT, MSK, etc.).

The resident on HotSeat will be provided with a series of video lectures to guide them in the anatomy portion of this course. There will be a neuro/body anatomy quiz to mark the end of this rotation. This will be done online over Brightspace.



MEDICAL EXPERT:

Describe how to protocol CT examinations ordered by the emergency department.

Recognize a variety of pathology on plain films, US and CT, including common acute pathologies presenting to the emergency room.

Have an approach to plain film, CT and US of those pathologies listed above.

HEALTH ADVOCATE:

Demonstrate how to minimize radiation exposure to patients by suggesting the appropriate ER study (i.e.: x-ray or US vs CT)

COLLABORATOR:

Maintain effective relationships with technologists, ER staff, other residents, medical students.

COMMUNICATOR:

Communicate with ER team and technologist to ensure the studies are done promptly and triaged appropriately.

Communicate with radiology staff on the “Hotseat” assignment regularly throughout the day to ensure prompt review and reports.

PROFESSIONAL:

Act cordial with colleagues.

Be punctual.

READINGS:

Videos:

- <https://radiopaedia.org/courses/medical-imaging-anatomy-course-online?lang=gb>
- [Brain](#) (38 minutes)
- [Ventricles & cisterns](#) (17 minutes)
- [Retroperitoneum & renal tract](#) (26 minutes)
- [Peritoneal compartment](#) (35 minutes)
- [Pelvis & abdominopelvic vessels](#) (43 minutes)

Books (available through MUN library):

1. **Emergency Radiology of the Abdomen and Pelvis: Imaging of the Non-traumatic and Traumatic Acute Abdomen.**

Heiken JP, Katz DS, Menu Y.

2018 Mar 21. In: Hodler J, Kubik-Huch RA, von Schulthess GK, editors. Diseases of the Abdomen and Pelvis 2018-2021: Diagnostic Imaging - IDKD Book [Internet]. Cham (CH): Springer; 2018. Chapter 13.

PMID: 31314362 **Free Books & Documents.** Review.

2. **Traumatic Brain Injury: Imaging Patterns and Complications**

Andrew D. Schweitzer, Sumit N. Niogi, Christopher T. Whitlow, A. John Tsiouris

Author Affiliations

Published Online: Oct 7 2019 <https://doi.org/10.1148/rg.2019190076>

3. **Types of Cerebral Herniation and Their Imaging Features**

Berta Riveros Gilardi , José Ignacio Muñoz López, Antonio Carlos Hernández Villegas, Juan Alberto Garay Mora, Oralia Cristina Rico Rodríguez, Roberto Chávez Appendini, Marianne De la Mora Malvárez, Jesús Antonio Higuera Calleja

Author Affiliations

Published Online: Oct 7 2019 <https://doi.org/10.1148/rg.2019190018>

4. **Traumatic Neck and Skull Base Injuries**

John L. Go , Jay Acharya, Jasmine C. Branchcomb, Anandh G. Rajamohan

Author Affiliations

Published Online: Oct 7 2019 <https://doi.org/10.1148/rg.2019190177>

5. CT Protocol for Acute Stroke: Tips and Tricks for General Radiologists

Enrique Marco de Lucas, Elena Sánchez, Agustín Gutiérrez, Andrés González Mandly, Eva Ruiz, Alejandro Fernández Flórez, Javier Izquierdo, Javier Arnáiz, Tatiana Piedra, Natalia Valle, Itziar Bañales, Fernando Quintana

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Published Online: Oct 1 2008 <https://doi.org/10.1148/rg.286085502>