

# RDLGY 7800 Course Syllabus

**Course Title:** Interventional Radiology  
**Course Number:** RDLGY 7800  
**Credits:** 4 Credits  
**Course Times:** M-F 7:00 AM – 5:00 PM  
**Classrooms:** Report to HSEB on first day,  
IR RDLGY Reading Rooms, Procedure Rooms

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## Course Description

Radiology 7800 is a four (4) week sub-internship rotation with the Vascular and Interventional Radiology section at the University of Utah Hospital and Huntsman Cancer Hospital. This rotation is meant to simulate the role and responsibility of an IR resident. Students will be required to participate in the full clinical day including morning rounds, case preparation, consults, procedures, sign-out, etc. IR is a procedure rich specialty and Sub-Interns will be expected to participate in procedures in various capacities. Students should be competent in performing basic image-guided procedures by the conclusion of the rotation including central venous access, pleural and peritoneal drainage, etc. A procedure log is to be kept. Attendance at all didactic sessions offered during the rotation is required. A presentation is required at the end of rotation. This rotation is highly suggested for those applying to interventional radiology residencies.

## Course Objectives

- Gain a further understanding of IR principles and role in patient care in preparation for future training in IR/DR.
- Develop basic technical skills needed as building blocks for further instruction. This includes image-guided interventions using various modalities (ultrasound, fluoroscopy, CT).
- Co-invest in the care of our IR patients from initial consultation through procedure and follow-up.
- Make connections with IR faculty and staff. Ask about involvement in research, etc.

## Reading Resources

Reading and preparing for cases is a large part of clinical medicine, IR included. It is expected that IR Sub interns read ahead of time about planned cases. This includes indications, contraindications, pre-procedure workup, basic technical aspects and follow up care. The following are good resources.

- Books:
  - Handbook of Interventional Radiologic Procedures Fifth Edition by Krishna Kandarpa MD PhD, Lindsay Machan MD, Janette Durham MD
    - Good book to keep in pocket or backpack
    - Copies available for checkout from department. Please return at conclusion of rotation.
  - Vascular and Interventional Radiology: A Core Review
    - Casebook with great images
    - Copies available for checkout from department. Please return at conclusion of rotation.
  - IR Playbook: A Comprehensive Introduction to Interventional Radiology 1st ed. 2018 Edition by Nicole A. Keefe, Ziv J Haskal, Auh Whan Park, John F. Angle

- Journals:
  - Techniques in Vascular and Interventional Radiology. <https://www.techvir.com/>
  - Seminars in Interventional Radiology. <https://www.thieme.com/books-main/radiology/product/2160-seminars-in-interventional-radiology>
  - JVIR. <https://www.jvir.org/>
- Other
  - Clinical Key
  - Eccles Health Sciences Library

**Schedule** (General and subject to change)

Medical students will be assigned a daily location, either at UofU or HCH.

<b>7:00 AM – 8:00 AM</b>	<b>M – F</b>	<b>Clinical and Teaching Rounds</b>
<b>8:00 AM – 5:00 PM*</b>	<b>M – F</b>	<b>Clinical Duties (consults, procedures)</b>
<b>6:30 AM – 7:00 AM</b>	<b>M**</b>	<b>Book Club</b>
<b>8:00 AM – 9:00 AM</b>	<b>Th</b>	<b>Didactics</b>
<b>4:00 PM – 5:30 PM</b>	<b>Th</b>	<b>“Miller Time” didactics with Dr. Miller</b>

\* 5pm is a “goal” end-time for non-call activities; however, Sub intern is expected to participate in patient care until all non-call clinical care has concluded for the day.

\*\* Attendance not required first Monday of rotation. Book chapters assigned – please ask IR trainee for current assignments.

**Call Experience**

Shadow call is a requirement and a great learning experience. For the 4-week rotation: 2 weeknight calls and 1 weekend call, preferably with IR fellow. Nights/weekend on call schedule should be determined on first day of rotation. Sub intern is expected to assist fellow/IR trainee with consultations, procedures, etc.

**Presentation**

A ~20 minute case based presentation is required in the last week of the rotation. To be presented to the group after morning rounds. Powerpoint presentation style preferred.

**Course Grade and Evaluation**

Each student will be evaluated by the faculty at the end of this 4-week elective course with a course grade of Honors, High Pass, Pass, Fail, Incomplete. Attendings and mentors will be watching for participation, engagement, attendance, professionalism, and ability to share gained knowledge in interventional radiology (final presentation). IR faculty are more than willing to assist students in their pursuit of residency training.

**Procedure Checklist and Log**

Each student will be required to complete a basic procedure checklist. Checklist will be provided. Please keep a case log devoid of PHI. Case logs and checklists help IR faculty with rotation quality control.