

Title of Clerkship: Interventional Radiology Elective - Riverside (4 week)

Elective Year(s): Fourth Year

Department: Radiology

Type of Elective: Clinical X Non-Clinical/Research Basic Science

Clerkship Site: Riverside Methodist Hospital  
3535 Olentangy River Road  
Columbus Ohio

Riverside Radiology and Interventional Associates  
3525 Olentangy River Road, Suite 5362  
Columbus, OH 43214

Course Number: RADI 709

Blocks Available: All Blocks - pending site approval

Number of Students/  
Block:

Faculty Pablo Gamboa M.D.

Elective Description/  
Requirements: This is a 4 week elective in interventional radiology. The goal of the rotation is to provide students with exposure to the various procedures and instruments of interventional radiology. Students will be expected to have an understanding of the basic procedures, their indications, their contraindications, and alternative care options. Students are expected to take part in the initial work up and follow-up care of patients. Students are expected to observe interventional radiology procedures and to participate on inpatient rounding while on service. Students are expected to attend at least one outpatient day a week while on service and to prepare a presentation on an interventional radiology topic or interesting patient encounter while on service. Students are expected to take call at least one weekend day while on service.

Procedures offered may include:

Gastrointestinal/biliary interventions: Percutaneous Transhepatic Cholangiogram, Biliary Drainage/Catheter Placement, Biliary Dilatation/Stenting, Biliary Stone Removal, Bile Duct Brush Biopsy, Dialysis Interventions, Renal Interventions, TIPSS, Transjugular Liver Biopsy, Gastrostomy Tube, Jejunostomy Tube, Convert G Tube to G-J Tube

Neurointerventional: Cerebral/Carotid Angiogram, Vertebrobasilar Angiogram, Spinal Angiogram, Carotid Stenting, Wada Testing, Endovascular coiling and stenting of Cerebral Aneurysms, Embolization of Cerebral AVMS

OB/GYN: Uterine Artery Embolization, Embolization for Pelvic Congestion Syndrome, Tuboplasty for Infertility

Oncology: Biopsy, Ablation: (Radiofrequency/Cryoablation/Microwave), Lung/Bone/Liver/Kidney, Endovascular Therapy: Chemoembolization and Yttrium-90 Selective, Internal Radiation Therapy, Chest Port Placements, Palliative Care: Pleurex Catheter for Ascites/ Pleural Effusion and Abdominal Port

Pain: Epidural Steroid Injections: Cervical/ Thoracic/ Lumbar/ Caudal, Facet Injection: Cervical/Lumbar, Discogram, Medial Branch Block, Radiofrequency Ablation/RFA Neurolysis, NeuroStimulator Consultations, NeuroStimulator Trials, Trigger Point Injection, Selective Nerve Root Block, Stellate Ganglion Block, Celiac Plexus Block, Occipital Nerve Block, Joint injection: Knee/Shoulder/Wrist/Ankle/Hip, Vertebroplasty/Kyphoplasty/Kiva

Urology: Nephrostogram, Nephrostomy Tube: Placement/Removal/Change, Ureteral Stent, Suprapubic Placement & Exchange

Varicose Veins: Sclerotherapy/Vein Ablation/EVLS

Vascular:

Angiography:

Aortography: Upper/Lower

Extremity Renal

Mesenteric

Pelvic

Upper/Lower Extremity, Renal, Mesenteric, Pelvic

Arterial Intervention:

Angioplasty/Stenting/Atherectomy, Thrombolysis/Thrombectomy, Aortic Stent Graft

Prostatic Artery Embolization

Venography:

Superior Vena Cavagram, Inferior Vena Cavagram, Upper Extremity Venogram, Lower Extremity Venogram, Fistulograms/ Declot for dialyses patients

Venous Intervention: IVC Filter

DVT/Thrombolysis/Thrombectomy

Foreign Body Retrieval

Renal Vein Sampling

Adrenal Vein Sampling

Varicocele Embolization

Venous: Port Placemen/Removal, Tunneled Catheter for Long Term Venous Access, Dialysis Catheter Placemen/Removal

Miscellaneous Intervention: Paracentesis, Thoracentesis, Aspiration, Drainage Catheter Placemen/Removal

Length of Clerkship: 4 weeks

Links to Core Competencies:

Educational Course Objectives:

K5, K15, K16, S?, S9, S11 P3, P?

Defend common interventional radiology procedures, including their accuracy, limitations and risks.

K1-K5, K7, S?-11, P7

Discuss and interpret clinical interventional radiology cases which provide clinical, radiologic, and pathologic correlations on various disease processes.

K1-K5, S?-11

Incorporate patient specific variables into ordering, performing, and interpreting appropriate interventional radiology procedures.

S6, S7

Identify the different interventional radiology procedures performed by interventional radiology including their contraindications, risks and benefits.

K2-5, K16, S1, S9, P5

Identify radiation, contrast, and MRI safety concerns to minimize and quantify risk from common imaging studies and interventional procedures.

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|------------------------|---|
| S1, S9-S11, P4, P7     | Communicate effectively with patients and clinicians when reporting imaging results, procedure details, or consulting on imaging/procedure appropriateness.   |
| Professionalism:       | UT/COM students will meet or exceed the institutional standards for professionalism as stated in the current Educational Program Objectives and the current Educational Course Objectives for the Sponsoring Department.  |
| Instructional Methods: | <p>Observation of image guided procedures</p> <p>Inpatient rounds</p> <p>Outpatient clinic</p> <p>Interpretation of patient imaging and lab data</p> <p>Clinical skills and didactic sessions</p> <p>Clinical case presentations and discussions</p> <p>Independent study</p> |
| Evaluation Methods:    | <p>1. Attendance</p> <p>2. Case/topic presentation</p> <p>3. Faculty observation and assessment</p>   |
| Prerequisites:         | Successful completion of Surgery clerkship and Radiology elective.  |
| Clerkship Director:    | Jacob Bieszczad, MD   |
| Clerkship Coordinator: | Mary Carroll  |
| Phone Number:          | 419-383-3428  |
| Email:                 | Mary.Carroll@utoledo.edu  |
| Special Requirements:  | Student must provide his/her own housing  |

