

**Drop/Add codes: Contact JaQue.Vickers@uth.tmc.edu for add/drop codes**

<b>Faculty In Charge Of Course:</b>	Daniel Fung, MD
<b>Participating Faculty:</b>	Drs. Zagum Bhatti, Alan Cohen, Daniel Fung, Rodrick Zvavanjanja, Carlos Guevara, Richard Tapnio
<b>Location:</b>	Memorial Hermann Hospital and LBJ Hospital
<b>Offered:</b>	All year round
<b>Max. # Students/Period:</b>	2

**Course Objective**

**Material Covered:** The student’s primary learning objective is to learn how Vascular and Interventional Radiology can play an integrative role in diagnostic and therapeutic patient care. This will be accomplished through:

- Participating in didactic discussions about procedure indications, risks and benefits.
- Participating in pre-procedure evaluations, including film review, focused H&P, and informed consent.
- Participating in procedures as an assistant.
- Participating in post-procedure care and follow-up.

**Areas of Knowledge to be Covered and Skills Acquired:**

**Skills Acquired:** The student will learn new skills in both film review and percutaneous image guided procedures, and reinforce skills in performing H&Ps, procedure informed consent, and hospital rounds.

**Activities of Elective**

**Number Of New Patients/Student/Week:** Minimum of 2

**Responsibilities Of Student For Assigned Patients:**

Does history/physical:	Yes
Who critiques:	Attending Physician, Fellow, and Resident Physicians
Follows patients, with appropriate notes as needed:	Yes
Who supervises:	Attending Physician, Fellow, and Resident Physicians
Does student see ambulatory patients:	Yes

<b>Procedures</b>	<b>Observe</b>	<b>Perform</b>
<b>Variety of image guided procedures:</b>		
CT or Ultrasound-guided biopsies	X	X
Paracentesis, Thoracentesis, Aspiration	X	X
<b>Diagnostic and Therapeutic Angiograms</b>		
IVC filter placement and removal	X	Assist
Arteriograms	X	Assist
Angioplasty, stents, atherectomy	X	Assist
Thrombectomy/thrombolysis	X	Assist
Post traumatic bleed embolization	X	Assist
Dialysis graft examination and repair	X	Assist
Pulmonary angiography with catheter-directed thrombolysis	X	Assist
Other vascular procedures including venograms with recanalization, uterine and prostate embolizations	X	Assist
<b>Placement of tunneled central venous catheters:</b>		
With and without implanted ports	X	X
For dialysis, chemotherapy, or antibiotics	X	X
<b>Variety of image guided drainages:</b>		
Nephrostomy catheters	X	X
Biliary drainage	X	X
Abscess drainage	X	X
<b>Review CT angiograms</b>	X	Assist
<b>Other procedures:</b>		
Percutaneous ablation	X	Assist
Transarterial chemoembolization/radioembolization	X	Assist
TIPS	X	Assist
Lymphangiography with lymphatic duct embolization	X	Assist

**Scheduled Duties of Student:**

	Frequency of rounds on patients	Daily
	Presents patients to preceptor or attending physician	Yes
	Weekly schedule of required teaching sessions	7 a.m. didactic session on M, T, Th and F; 7:30 am daily rounds

**Describe Optional Rounds And Activities, If Any:**

May observe and/or assist with on-call cases if desired, but not required. Elective call is from home.

**Other Required Activities:**

	Reading/review of current literature	Yes
	Writing or presenting a paper	No
	Other	Written case report, suitable for publication or scientific exhibit, is required.

**How Is Student Evaluated:**

Mid-rotation and end-of-rotation evaluations. Completed checklist of rotation objectives must be signed off by Dr. Fung.

**Who Evaluates Students:**

IR Attending Physicians, Dr. Fung