

**RA212.01 INTERVENTIONAL RADIOLOGY**

Advanced Clinical Clerkship

Location: KAISER.SUN

2013-2014  
Revised: 12/10/12

**COURSE CHAIR:**

George Vatakencherry, M.D.

**E-MAIL:**

**PHONE #:**

(323) 783-7668

**COURSE OBJECTIVES (in order of importance)**

1. Understanding Vascular anatomy and pathophysiology
2. Understanding the role of endovascular and image guided surgery in patient care.
3. Knowledge of global atherosclerosis (renal, mesenteric, peripheral vascular disease, and carotid)
4. Understanding the risks, benefits, and alternatives of the numerous interventional radiology procedures
5. Interpreting CT, MRI, and angiography

**SUPPORTING FACULTY:**

Dennis Der, MD, Tina Hardley, MD, Mark Rayman, MD, Elan Rosenthal, MD, & Kien Vuu, MD

**STUDENT COORDINATOR:**

Ashley Versher

**E-MAIL:** [ashley.e.versher@kp.org](mailto:ashley.e.versher@kp.org)

**PHONE #:**

(323) 783-7836

**REPORT TO:** Alicia Summerlin, Clerkship Coordinator. 8 AM.  
Center for Medical Education, 4733 Sunset Blvd., 3rd Floor.  
Validated parking next door at 4715 Sunset Blvd

**COLLEGE AFFILIATION:** Applied Anatomy

**AVAILABLE FOR EXTERNS:** Yes

**STUDENTS / PERIOD:** max 2 min 1

**DURATION:** 3 weeks

**2013-2014 ROTATIONS BEGIN WEEKS:**

2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 38, 41, 44, 47

**DESCRIPTION:** This is an advanced clerkship in Interventional Radiology. Knowledge of vascular anatomy and pathophysiology are vital as is knowledge of abdominal and pelvic anatomy. Students are expected to be involved in: patient consultation, procedures, rounds, multidisciplinary conferences, and journal club. Students will work side-by-side with interventional attendings and fellows, and radiology residents.

STUDENT EXPERIENCES			
<b>COMMON PROBLEMS/DISEASES</b> 1. End stage renal disease 2. Hepatic dysfunction / Hepatobiliary disease 3. Oncology 4. Aneurysms (aortic) 5. Peripheral vascular disease 6. Cerebrovascular disease	<b>INPATIENT:</b>	50%	<b>CLOSE CONTACT WITH:</b> X FULL-TIME FACULTY X CLINICAL FACULTY X FELLOWS X RESIDENTS X INTERNS X OTHER: Nurses, Technologists
	<b>OUTPATIENT:</b>	50%	
	<b>CONSULTATION:</b>	100%	
	<b>PRIMARY CARE:</b>	0%	

**APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:** 5

**TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:** 20

**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	7:30 – 8:00 Clinical Rounds  8:00 – 12:30 Procedures	7:30 – 8:00 Vascular Conference 8:00 – 9:00 Hepatobiliary conference 9:00 – 10:00 Interventional Conference/Journal Club	7:30 – 8:00 Clinical Rounds  8:00 – 12:30 Procedures	8:00 – 9:00 Interventional Teaching Conference	7:30 – 8:00 am Clinical Rounds  8:00 – 12:30 Procedures
<b>PM</b>	12:30 – 1:30 Noon radiology Conference  1:30 – 5:00 Procedure/Consults	10:00 – 12:30 Procedures 12:30 – 1:30 Noon radiology Conf. 1:30 – 5:00 Procedures/Consults	12:30 – 1:30 Noon radiology conference  1:30 – 5:00 Procedures/Consults	12:30 – 1:30 Noon radiology conference  1:30 – 5:00 Procedures/Consults	12:30 – 1:30 Noon radiology conference  1:30 – 5:00 Procedures/Consults

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** None

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:**

**RA212.02 INTERVENTIONAL RADIOLOGY**

Advanced Clinical Clerkship

Location: UCLA

2013-2014  
Revised: 12/10/12

**COURSE CHAIR:**

Christopher Loh, M.D.

**E-MAIL:**

**PHONE #:**

(310) 267-8770

**COURSE OBJECTIVES (in order of importance)**

1. Understand principles, applicability, and limitations of image-guided techniques.
2. Develop familiarity with the relative indications, contraindications, techniques and expected risks and benefits of vascular and nonvascular interventional procedures.
3. Participation in the pre-procedure and post-procedure work up of patients including film review, H & P.
4. Under supervision, perform and interpret basic vascular imaging: including arterial and venous puncture, safe catheter technique and management, percutaneous needle biopsy and drainage.
5. Develop effective and professional communication skills with patients and their families and referring physicians.
6. Recognize normal and variant anatomy and pathological conditions, as related to the intended procedure.

**SUPPORTING FACULTY:**

Drs. Stephen Kee, Antoinette Gomes, Justin McWilliams, Edward Lee, John Moriarty, Simin Bahrami, David Lu, Steven Raman, Robert Suh, Feredouin Abtin

**STUDENT COORDINATOR:**

Lara Gold

**E-MAIL:** [lgold@mednet.ucla.edu](mailto:lgold@mednet.ucla.edu)

**PHONE #:**

(310) 825-5806

**REPORT TO:** RRCM 2144 conference room at 7:00 am

**COLLEGE AFFILIATION:** Applied Anatomy

**AVAILABLE FOR EXTERNS:** Yes

**STUDENTS / PERIOD:** max 3 min 1

**DURATION:** 3 weeks (4 weeks for externs if needed)

**2013-2014 ROTATIONS BEGIN WEEKS:**

2, 5, 8, 11, 14, 17, 27, 30, 41, 44, 47

**DESCRIPTION:** The student will be actively engaged in the interventional radiology service. The student will have ample opportunity to have a "hands on" experience in the performance of procedures. Students considering radiology, interventional radiology or have an interest in learning more about the specialty are highly encouraged to choose this elective. Case presentation at the fellows conference is encouraged. The elective will be based at both Ronald Reagan and Santa Monica Hospitals.

**STUDENT EXPERIENCES**

**COMMON PROBLEMS/DISEASES**

1. Biliary Interventions
2. Peripheral arterial and venous disease
3. Renal Failure – Vascular access and management
4. Inferior Vena Cava Filters
5. Interventional oncology – tumor ablations and embolization
6. Transjugular liver biopsy
7. Percutaneous abscess drainage and biopsy

**INPATIENT:** 60%  
**OUTPATIENT:** 40%  
**CONSULTATION:** 90%  
**PRIMARY CARE:** 10%

**CLOSE CONTACT WITH:**

- X FULL-TIME FACULTY
- CLINICAL FACULTY
- X FELLOWS
- X RESIDENTS
- INTERNS
- X OTHER: Nurses, Technologists

**APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:** 25

**TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:** 140

**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	7:00-7:30 Rounds 8:00-12:00 IR Suite / Clinic	7:00-7:30 Rounds 8:00-12:00 IR Suite / Clinic	7:00-8:00 Didactics 8:00-12:00 IR Suite	7:00-8:30 Didactics 8:00-12:00 IR Suite	7:00-7:30 Rounds 8:00-12:00 IR Suite
<b>PM</b>	12:30-5:00 IR Suite /Clinic	12:30-5:00 IR Suite /Clinic	12:30-4:30 IR Suite 4:30-5:30 Tumor Board	12:30-5:00 IR Suite / Lectures (optional)	12:30-5:00 IR Suite

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** None

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** Because this elective requires hands-on participation with interventional radiology procedures, students should exercise the usual precautions regarding exposure to ionizing radiation during pregnancy.

**RA250.02 DIAGNOSTIC RADIOLOGY**

Advanced Clinical Clerkship

Location: OVH

2013-2014  
Revised: 12/10/12

**COURSE CHAIR:**

Richard Witten, M.D.  
Margaret Lee, M.D.

**PHONE #:**

(818) 364-4079  
(818) 364-4079

**COURSE OBJECTIVES (in order of importance)**

1. To learn the role of radiology in clinical evaluation of patients.
2. To understand indications and contraindications for different radiological procedures.
3. To gain an exposure of the spectrum of imaging modalities.
4. To correlate imaging findings to the altered or pathological states of patients.
5. To review the anatomy and pathophysiology in preparation for the interpretation of imaging examinations.

**SUPPORTING FACULTY:**

Drs. D. Andrews, A. Au, C. Chang, S. Chawla, M. Deshmukh, M. Gan, D. Gierthy, G. Hansen, G. Hathout, T. Hoang, C. Jude, S. Mohammad, M. Nguyen, S. North, A. Pahwa, M. Patel, G. Rabhar, A. roth, C. Sridhar, M. Thomas, R. Witten, C. Yim, & T. Zung

**STUDENT COORDINATOR:**

Hank Loud

**PHONE #:**

(818) 364-4085

**E-MAIL:** [houd@dhs.lacounty.gov](mailto:houd@dhs.lacounty.gov)

**REPORT TO:** Hank Loud, Room 2D139, Olive View Medical Center, 8:30 a.m.

**COLLEGE AFFILIATION:** Acute Care

**AVAILABLE FOR EXTERNS:** Yes

**STUDENTS / PERIOD:** max 2 min 1

**DURATION:** 2 weeks

**2013-2014 ROTATIONS BEGIN WEEKS:**

By Arrangement

**DESCRIPTION:** Learning in this hospital-based course will be augmented by use of teaching files, case work-ups, presentations, and individual tutorials. The student will be assigned to the subspecialty section of the department to learn the different diagnostic imaging modalities, including appropriate utilization of the imaging tools in the clinical setting. The student will participate in departmental and interdepartmental conferences.

STUDENT EXPERIENCES			
<b>COMMON PROBLEMS/DISEASES</b> 1. Acute & chronic pulmonary disease 2. Gastrointestinal tract abnormalities 3. Tuberculosis 4. Hepatobiliary disease 5. Cardiovascular disorders 6. Neuroradiology 7. Genito-urinary disorders 8. Musculoskeletal disorders 9. Surgical, Medical, Pediatric, and Obstetric/Gynecologic Emergencies	<b>INPATIENT:</b>	40%	<b>CLOSE CONTACT WITH:</b> X FULL-TIME FACULTY X CLINICAL FACULTY FELLOWS X RESIDENTS INTERNS OTHER:
	<b>OUTPATIENT:</b>	60%	
	<b>CONSULTATION:</b>	100%	
	<b>PRIMARY CARE:</b>	0%	

**APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:** N/A

**TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:** 2,250

**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	9 - Reading Session 11:30 - MICU Conf. 12 - Radiology Noon Conference	9 - Reading session 11:30 - MICU Conf. 12 - Radiology Noon Conference	9 - Reading Session 11:30 - MICU Conf. 12 - Radiology Noon Conference	9 - Reading Session  11:30 - MICU Conf.	8:30 - Pediatric Conf. 9 - Reading Session 11 - NICU Conference 11:30 - MICU Conf. 12 - Radiology noon Conf.
<b>PM</b>	12 pm - Gyn Conference  1 - Reading Session	1 PM Reading Session	1 PM Reading Session	12 - Morbid and Mortality Conf. (2nd Thurs of the month) 1 - Tumor Board 1 PM Reading Session	1 PM Reading Session

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** None

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** ACR Teaching Files available for review. A four week experience is available on request. \*\*\* Lymphoma Conference, Rheumatology Conference—Please check the updated schedule. \* Reading session with the subspecialty section assigned. Can be extended up to 4 weeks by request.

**RA250.03 RADIOLOGY OVERVIEW**

Advanced Clinical Clerkship

Location: HARBOR

2013-2014  
Revised: 12/10/12

**COURSE CHAIR:**

Adam Sommerstein, M.D

**PHONE #:**

(310) 222-2847

**COURSE OBJECTIVES (in order of importance)**

1. The student will develop an approach to reading routine plain films, and will be able to recognize common and important pathologic processes.
2. The student will develop a basic knowledge of body CT and neuro CT anatomy, and will be able to recognize major pathologic processes, such as tumor, inflammation, traumatic injuries, vascular abnormalities.
3. The student will develop an understanding of the appropriate use of ultrasound, MRI, and nuclear medicine in diagnosis and treatment.
4. The student will develop a basic understanding of Radiation Therapy.

**SUPPORTING FACULTY:**

Drs. Diament, Eckel, Fischer, Khalkhali, Lee, Mehringer, Mlikotic, Phillips, Renslo, Sommerstein, Tanoura, Varma, Walot, Zimmerman, Garjian, Sheikh, and Barankiewitz

**STUDENT COORDINATOR:**

Margaret Hardy

**PHONE #:**

(310) 222-2809

**E-MAIL:** [mhardy@dhs.lacounty.gov](mailto:mhardy@dhs.lacounty.gov)

**REPORT TO:** Harbor-UCLA Med Ctr Main Hospital, 2nd Floor West, Room 34. If Monday is a holiday, call (310) 222-2847

**COLLEGE AFFILIATION:** Applied Anatomy

**AVAILABLE FOR EXTERNS:** Yes

**STUDENTS / PERIOD:** max 8 min 1

**DURATION:** 3 weeks

**2013-2014 ROTATIONS BEGIN WEEKS:**

11, 14, 19, 31

**DESCRIPTION:** During the first two weeks of the elective, the students are required to attend and participate in formal lectures/conferences which cover the various areas in imaging, i.e., GI/GU, pediatric, chest, bone, neuroradiology, CT/MRI/ultrasound, nuclear medicine, and radiation therapy. During the third week the students may attend film review session in the area(s) of their choice, observe radiologic and interventional procedures, and make use of the radiology teaching file.

**STUDENT EXPERIENCES**

**COMMON PROBLEMS/DISEASES**

1. Neuroradiology: stroke, tumor, trauma
2. GU: stones/obstruction, pyelonephritis, tumor
3. Musculoskel. fracture, arthritis, tumor, benign normal variants
4. Pediatrics: congenital abnormalities, prematurity
5. GI: obstruction, GI tract cancer, inflammatory conditions (appendicitis, colitis, diverticulitis)

**INPATIENT:**

40%

**OUTPATIENT:**

20%

**ER**

40%

**CONSULTATION:**

N/A

**PRIMARY CARE:**

N/A

**CLOSE CONTACT WITH:**

- X FULL-TIME FACULTY
- X CLINICAL FACULTY
- X FELLOWS
- X RESIDENTS
- X INTERNS
- X OTHER: Technicians

**APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:** N/A

**TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:** 1,875

**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	8:30 - 9:00 - Orientation w/ Dr. Sommerstein (1st week only)/ Learning Lab 9:00 - 11:00 - Learning Lab (B-2W, Rm. 6)	8:30 - 11:00 Body Imaging with Dr. Garjian Or Body Imaging CT & UTS with Dr. Renslo	8:30 - 11:00 Learning Lab	8:30 - 11:00 Radiation Therapy with Dr. Zimmerman or Learning Lab and Musculoskeletal with Dr. Varma	8:30 - 11:00 Learning Lab
<b>PM</b>	1:00 - 4:00 Bone with Dr. Fischer or Interventional with Dr. Tanoura	1:00 - 4:00 Learning Lab Or GI/GU with Dr. Khalikhali	1:00 - 4:00 MRI with Dr. Phillips or Neuro with Dr. Walot	1:00 - 4:00 Learning Lab	1:00 - 4:00 Pediatrics with Dr. Diament Or Chest with Dr. Mlikotic

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** No call.

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** On the last day of the elective students are required to turn in a written description of exactly what they did and what they learned while on the elective.

**COURSE CHAIR:**

Adam Sommerstein, M.D

**PHONE #:**

(310) 222-2847

**COURSE OBJECTIVES (in order of importance)**

1. The student will refine his/her skills in film interpretation of common pathologic processes.
2. The student will develop an understanding of technical factors which limit film interpretation.
3. The student will develop an understanding of the appropriate use of advanced imaging techniques such as MRI and nuclear medicine.
4. Students may participate in review sessions in areas of interest, to further enhance their future education.

**SUPPORTING FACULTY:**

Drs. Diament, Eckel, Fischer, Khalkhali, Lee, Mehringer, Mlikotic, Phillips, Renslo, Sommerstein, Tanoura, Varma, Walot, and Zimmerman, Garjian, Sheikh, Becker, Kalantari, and Barankiewitz

**STUDENT COORDINATOR:**

Margaret Hardy

**PHONE #:**

(310) 222-2809

**E-MAIL:** [mhardy@dhs.lacounty.gov](mailto:mhardy@dhs.lacounty.gov)

**REPORT TO:** Harbor-UCLA Med Ctr Main Hospital, 2nd Floor West, Room 34. If Monday is a holiday, call (310) 222-2847.

**COLLEGE AFFILIATION:** Acute Care College

**AVAILABLE FOR EXTERNS:** Yes

**STUDENTS / PERIOD:** max 8 min 1

**DURATION:** 3 weeks

**2013-2014 ROTATIONS BEGIN WEEKS:**

By Arrangement

**DESCRIPTION:** Students are expected to attend film review sessions in the area(s) of their choice, e.g., ER, neuroradiology, body CT, MRI, pediatrics, nuclear medicine, ultrasound, mammography. Students are also encouraged to observe radiologic and interventional procedures, and make use of the radiology teaching file. If a student wishes to concentrate his/her time within a particular specialty in radiology, it is advisable to obtain permission of the attending who heads that area prior to scheduling the rotation. Students are welcome to attend Radiology Overview conferences (when applicable) and regular resident conferences.

**STUDENT EXPERIENCES**

**COMMON PROBLEMS/DISEASES**

1. Neuroradiology: stroke, tumor, trauma
2. GU: stones/obstruction, pyelonephritis, tumor
3. Musculoskel. fracture, arthritis, tumor, benign normal variants
4. Pediatrics: congenital abnormalities, prematurity
5. Thoracic: inflam (pneumonia, TB), primary & metastatic cancer, pneumothorax/effusion, inhalational, COPD
6. GI: obstruction, GI tract cancer, inflammatory conditions (appendicitis, colitis, diverticulitis)
7. Hepatobiliary: cholecystitis, benign and malignant tumors, biliary obstruction, pancreatitis
8. Cardiovascular: valve disease, CHF, dissection and aneurysm, traumatic injury, grafts

**INPATIENT:**

40%

**OUTPATIENT:**

20%

**ER**

40%

**CONSULTATION:**

N/A

**PRIMARY CARE:**

N/A

**CLOSE CONTACT WITH:**

- X FULL-TIME FACULTY
- X CLINICAL FACULTY
- X FELLOWS
- X RESIDENTS
- X INTERNS
- X OTHER: Technicians

**APPROXIMATE # OF PATIENTS EVALUATED EACH WK BY STUDENT:** N/A

**TOTAL # OF PATIENTS EVALUATED EACH WK BY ENTIRE SERVICE:** 7,500

**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
AM	<p><u>Reading Session:</u> ER, US, CT Body, Mammography, Pediatrics, Chest, Neuroradiology – CT, MRI – Body  <u>Procedure:</u> Angio/Interventional, GI/GU  <u>Clinic:</u> Radiology Oncology  <u>Teaching File</u></p>				
PM	<p><u>Reading Session:</u> ER, US, CT Body, Nuclear Medicine, Neuroradiology – MRI  <u>Procedure:</u> Angio/Interventional  <u>Teaching File</u></p>				

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** No call.

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** On the last day of the elective students are required to turn in a written description of exactly what they did and what they learned while on the elective.

**RA250.08 ADVANCED ELECTIVE IN RADIOLOGY**

Advanced Clinical Clerkship

Location: UCLA

2013-2014  
Revised: 12/10/12

**COURSE CHAIR:**

Dr. Theodore Hall (310) 825-7939  
 Dr. Michael Zucker (310) 206-7861  
**E-MAIL:** mzucker@mednet.ucla.edu or thall@mednet.ucla.edu

**COURSE OBJECTIVES (in order of importance)**

1. Students will become familiar with the general approach to radiology.
2. The major abnormalities, both trauma and non trauma, in emergency and primary care medicine, will be emphasized.
3. Cross-sectional imaging and subspecialty radiology will be introduced.

**SUPPORTING FACULTY:**

Drs. Fereidoun Abtin, M. Ines Boechat, Kathleen Brown, Shenez Ghahremani, Antonio Guterrez, Theodore Hall, Barbara Kadell, Michael Linetsky, David Lu, Daniel Margolis, Whitney Pope, Noriko Salamon, Pablo Villablanca, Elena Stark

**STUDENT COORDINATOR:**

Lara Gold

**PHONE #:**

(310) 825-5806

**E-MAIL:** [lgold@mednet.ucla.edu](mailto:lgold@mednet.ucla.edu)

**REPORT TO:** 73-167 CHS at UCLA. First day of elective (Call L. Gold for instructions if first day is a holiday).

**COLLEGE AFFILIATION:** Applied Anatomy

**AVAILABLE FOR EXTERNS:** No

**STUDENTS / PERIOD:** max 12 min 1

**DURATION:** 3 weeks

**2013-2014 ROTATIONS BEGIN WEEKS:**

8, 11, 14, 27, 33

**DESCRIPTION:** Core curriculum lecture series 27 hours, Radiology subspecialty faculty lecture/resident case review 8 hours. Resident lecture series 8 hours. Anatomy review 18 hours.

STUDENT EXPERIENCES				
<b>COMMON PROBLEMS/DISEASES</b> 1. Neuroradiologic 2. Genitourinary 3. Musculoskeletal 4. Pediatric 5. E R 6. Thoracic 7. Gastrointestinal 8. OB/GYN 9. Ophalanlogy 10. Head and Neck	<b>INPATIENT:</b>	N/A	<b>CLOSE CONTACT WITH:</b> X FULL-TIME FACULTY CLINICAL FACULTY FELLOWS X RESIDENTS INTERNS OTHER:	
	<b>OUTPATIENT:</b>	N/A		
		<b>CONSULTATION:</b>	N/A	
		<b>PRIMARY CARE:</b>	N/A	
	<b>APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:</b>		N/A	
	<b>TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:</b>		N/A	

**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	9:00 AM—1:00 PM Anatomy Review Room 73-167 CHS	9:00 – 12 noon. Core Curriculum Lecture Series Room 73-167 CHS	9:00 – 12 noon. Core Curriculum Lecture Series Room 73-167 CHS	9:00 – 12 noon. Core Curriculum Lec- ture Series Room 73-167 CHS	9:00-12 noon Resident Lecture Series Room B2-161 CHS
<b>PM</b>		12:00 – 1:00 Noon Conference Room 1621 RRMC 1:30 – 5:00 Radiology Specialty Faculty Lecture Room B2– 161 CHS	12:00 – 1:00 Noon Conference Room 1621 RRMC 1:30 – 5:00 Radiology Specialty Faculty Lecture Room B2– 161 CHS	12:00 – 1:00 Noon Conference Room 1621 RRMC 1:30 – 5:00 Radiology Specialty Faculty Lecture RRMC Room TBA	1:00 - 3:00 Student Presentations (topics related to imag- ing diagnosis, manage- ment, or journal article review) Room B2-161 CHS

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** N/A

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** Required Attendance: Departmental Noon Case Conferences (Dowdy Classroom) 12:00 – 1:00 p.m., Tuesday, Wednesday, Thursday.

**RA262.02 INTERVENTIONAL NEURORADIOLOGY**

Advanced Clinical Clerkship

Location: UCLA

2013-2014  
Revised: 12/10/12

**COURSE CHAIR:**  
Reza Jahan, M.D.

**PHONE #:**  
(310) 267-8762

**E-MAIL:** [rjahan@mednet.ucla.edu](mailto:rjahan@mednet.ucla.edu)

**SUPPORTING FACULTY:**  
Drs. G. Duckwiler and F. Vinuela

**STUDENT COORDINATOR:**  
Lara Gold

**PHONE #:**  
(310) 825-5806

**E-MAIL:** [lgold@mednet.ucla.edu](mailto:lgold@mednet.ucla.edu)

**COURSE OBJECTIVES (in order of importance)**

1. Introduction to diagnosis and intervention in Neuroradiology.
2. Knowledge of specific Neurovascular disease processes: Arteriovenous Malformations, Aneurysms, Fistula.
3. Knowledge of Neurovascular physiology/anatomy.
4. Medical judgment; understand appropriateness criteria for endovascular versus neurosurgical treatments.
5. Interpretation skills in Neuro, CT, MRI, Angiography.
6. Medical record keeping.
7. Improve skills of doctor/patient relationships.

**REPORT TO:** Dr. Reza Jahan, RRM room 2129 at 9:00 a.m.

**COLLEGE AFFILIATION:** Urban Underserved

**AVAILABLE FOR EXTERNS:** Yes

**STUDENTS / PERIOD:** max 1 min 1

**DURATION:** 3 weeks

**2013-2014 ROTATIONS BEGIN WEEKS:**  
5, 8, 11, 14, 27, 30, 33

**DESCRIPTION:** This is an advanced clerkship in Interventional Neuroradiology. Knowledge of Neuroanatomy is important. Students are expected to be involved in: Patient consultation, procedures, rounds, and educational conferences. Student will work side by side with an Interventional fellow and faculty.

STUDENT EXPERIENCES			
<b>COMMON PROBLEMS/DISEASES</b> 1. Arteriovenous malformations 2. Aneurysms 3. Arteriovenous fistula 4. Stroke 5. Tumors	<b>INPATIENT:</b>	80%	<b>CLOSE CONTACT WITH:</b> X FULL-TIME FACULTY CLINICAL FACULTY X FELLOWS X RESIDENTS INTERNS X OTHER: Nurses & Radiologic Technologists
	<b>OUTPATIENT:</b>	20%	
	<b>CONSULTATION:</b>	100%	
	<b>PRIMARY CARE:</b>	0%	

**APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:** 5

**TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:** 13

**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	7:00 – 8:00 Morning Lecture	7:00 – 8:00 Morning Lecture	7:00 – 8:00 Morning Lecture	7:00 – 8:00 Morning Lecture	7:00 – 8:00 Morning Lecture
	8:00 – 9:00 Rounds	8:00 – 9:00 Rounds	8:00 – 9:00 Rounds	8:00 – 9:00 Rounds	8:00 – 9:00 Rounds
	9:00 – 12:00 Procedures	9:00 – 12:00 Procedures	9:00 – 12:00 Procedures	9:00 – 12:00 Procedures	9:00 – 12:00 Procedures
<b>PM</b>	12:00 – 1:00 Noon Conference	12:00 – 1:00 Noon Conference	12:00 – 1:00 Noon Conference	12:00 – 1:00 Noon Conference	12:00 – 1:00 Noon Conference
	1:00 – 5:00 Procedure/ Consult	1:00 – 5:00 Procedure/ Consult	1:00 – 5:00 Procedure/ Consult	1:00 – 5:00 Procedure/ Consult	1:00 – 5:00 Procedure/ Consult

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** Call taken for all Interventional procedures (2 – 4 after hours cases/week)

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** Attendance is required for Morning Lecture and Noon Conference if not in consultation or procedure. Since ionizing radiation is used, this course is not recommended during pregnancy.

**RA280.01 ABDOMINAL AND THORACIC IMAGING / CSIR**

**Advanced Clinical Clerkship**

**Location: UCLA**

**2013-2014  
Revised: 12/10/12**

**COURSE CHAIR:** Steven S. Raman, MD  
**PHONE #:** 310-267-8735  
**E-MAIL:** [sraman@mednet.ucla.edu](mailto:sraman@mednet.ucla.edu)

**SUPPORTING FACULTY:**  
 Drs. David Lu, Michael Douek, Katrina Beckett, Justin McWilliams, Robert Suh, Fereidoun Abtin

**STUDENT COORDINATOR:** Lara Gold  
**PHONE #:** 310-825-5806  
**E-MAIL:** [lgold@mednet.ucla.edu](mailto:lgold@mednet.ucla.edu)

**REPORT TO:** Sandra Smith, room 1638 RRMC @ 8:30 am

**COLLEGE AFFILIATION:** Applied Anatomy College

**AVAILABLE FOR EXTERNS:** Yes

**STUDENTS / PERIOD:** max 2 min 2

**DURATION:** 3 weeks

**2012-2013 ROTATIONS BEGIN WEEKS:**  
 5, 8, 11, 14, 27, 30, 33

**DESCRIPTION:** This elective will expose students to Abdominal and Thoracic Imaging and Cross Sectional Interventional Radiology (CSIR). The student will understand how critical the role of CSIR is in patient diagnosis and treatment for a variety of malignant and non-malignant disorders.

- COURSE OBJECTIVES (in order of importance)**
1. Understand the role of Cross Sectional Imaging on medical decision making.
  2. Understand appropriate indications for image guided biopsies and drainages.
  3. Understand how to appropriately work-up patients for image guided procedures.
  4. Increase skill in working with a multidisciplinary healthcare team including radiologists, surgeons, oncologists, primary care physicians, nurses, and technologists.
  5. Understand procedural safety.
  6. Perform basic image guided procedures.

**STUDENT EXPERIENCES**

- COMMON PROBLEMS/DISEASES**
1. Live Cancer (HEC)
  2. Liver Metastases (Colorectal cancer)
  3. Renal Cancer
  4. Abscess drainage

**INPATIENT:** 100%  
**OUTPATIENT:**  
**CONSULTATION:** 90%  
**PRIMARY CARE:** 10%

**CLOSE CONTACT WITH:**  
 FULL-TIME FACULTY  
 CLINICAL FACULTY  
 FELLOWS  
 RESIDENTS  
 INTERNS  
 OTHER:

**APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:** 30

**TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:** 90

**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	7:00 GI Conference 7:30—12:00 Interventional Cases	7:30—12:00 Interventional Cases	7:30—12:00 Interventional Cases	7:30 Pancreatic Conference 7:30—12:00 Interventional Cases	8:00—9:00 GI Case Conference on Tho- racic Tumor Board 9:00—12:00 Interventional Cases
<b>PM</b>	12:00—1:00 Case Conference (GI) 1:00—5:00 Interventional Cases 5:30 Lecture Series	12:00—1:00 Case Conference (Breast) 1:00—5:00 Cases-Clinic	12:00—1:00 Case Conference (IR) 1:00—5:00 Interventional Cases 4:30 Hepatobiliary Trauma Board	12:00—1:00 Case Conference (Thoracic) 1:00—5:00 Interventional Cases	12:00—1:00 Case Conference (ACI) 1:00—5:00 Interventional Cases

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** None

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:**



**COURSE CHAIR:**  
Christiaan Schiepers, M.D.  
**PHONE #:** (310) 983-1439  
**E-MAIL:** cschiepers@mednet.ucla.edu

**SUPPORTING FACULTY:**  
Daniel H. Silverman, M.D., Ph.D., Christiaan Schiepers, M.D.,  
Johannes Czernin, M.D., Heinrich Schelbert, M.D., Dr. Martin  
Allen-Auerbach, Dr. Pawan Gupta

**STUDENT COORDINATOR:**  
Soosan Seyedroodbari  
**PHONE #:** (310) 794-1596  
**E-MAIL:** sroodbari@mednet.ucla.edu

- COURSE OBJECTIVES (in order of importance)**
1. Gain familiarity with the tracer concept and its application to evaluation of both normal and pathophysiological processes.
  2. Interpretation of diagnostic nuclear medicine procedures and developing an understanding of their relationship to a wide range of primary clinical areas.
  3. Gain familiarity with positron emission tomography and other specialized imaging techniques.

**REPORT TO:** 200 Medical Plaza, Suite B114-71 (when in 200  
MP take "north" elevator to level B1)

**COLLEGE AFFILIATION:** Acute Care

**AVAILABLE FOR EXTERNS:** Yes

**STUDENTS / PERIOD:** max 1 min 1

**DURATION:** 3 weeks

**2013-2014 ROTATIONS BEGIN WEEKS:**  
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 38, 41, 44, 47

**DESCRIPTION:** This elective is intended to provide the student with a more in-depth exposure to nuclear medicine than acquired during the required diagnostic radiology clerkship. The student will work with residents and faculty members performing and interpreting diagnostic studies and will also have the opportunity to observe or participate in ongoing clinical and basic science research projects.

STUDENT EXPERIENCES			
<b>COMMON PROBLEMS/DISEASES</b> 1. Cardiovascular 2. Neurological 3. Orthopedic 4. Endocrine 5. Gastroenterology 6. Organ transplant 7. Infectious disease 8. Oncology	<b>INPATIENT:</b>	50%	<b>CLOSE CONTACT WITH:</b> X FULL-TIME FACULTY X CLINICAL FACULTY X FELLOWS X RESIDENTS INTERNS X OTHER: Basic scientists and graduate students
	<b>OUTPATIENT:</b>	50%	
	<b>CONSULTATION:</b>	100%	
	<b>PRIMARY CARE:</b>	0%	

**APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT:** VAR

**TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE:** 150

**TYPICAL WEEKLY SCHEDULE**

Hour	Monday	Tuesday	Wednesday	Thursday	Friday
<b>AM</b>	7:00 – 8:00 Morning Nuc Med Lecture  8-12 Case Readout	8-12 Case Readout	8-12 Case Readout	7:30-8 Thursday Case Conference 8-9 Journal Club 9-12 Case Readout	8-12 Case Readout
<b>PM</b>	12:00 – 1:00: Radiology Noon Conf. 1:00 – 3:00: Case Read Out (Mon. – Fri.)  3-4 PET/CT Conference	12:00 – 1:00: Radiology Noon Conf. 1:00 – 3:00: Case Read Out (Mon. – Fri.)  3-4 PET/CT Conference	12:00 – 1:00: Radiology Noon Conf. 1:00 – 3:00: Case Read Out (Mon. – Fri.)  3-4 PET/CT Conference	12:00 – 1:00: Radiology Noon Conf. 1:00 – 3:00: Case Read Out (Mon. – Fri.)  3-4 PET/CT Conference	12:00 – 1:00: Radiology Noon Conf. 1:00 – 3:00: Case Read Out (Mon. – Fri.)  3-4 PET/CT Conference

**ON-CALL SCHEDULE & WEEKEND ACTIVITIES:** None

**ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:** This elective allows the student to gain experience in both clinical and research applications of nuclear medicine, including positron emission tomography (PET), SPECT, and other imaging techniques and their relationship to primary care areas. \* Throughout normal hours of operation, students are involved in observing and monitoring patient studies. Students are encouraged to work on specialized projects in conjunction with faculty members.