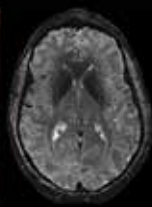
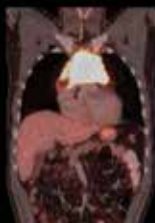


4 Duke 01 Review 2 Course

A comprehensive radiology immersion

April 5–11, 2014



DukeMedicine

Sponsored by the Duke University School of Medicine

Duke Review Course 2014

COURSE DESCRIPTION

The Duke Review Course provides a comprehensive review of diagnostic radiology provided by the faculty of Duke Radiology.

The course is designed for radiology senior residents as well as practicing radiologists looking for a comprehensive review and state-of-the-art update of general radiology.

TARGET AUDIENCE

Senior radiology residents and practicing radiologists.

LEARNING OBJECTIVES

Upon completion of this course, participants should be able to:

- ♦ Identify and discuss the latest modalities and techniques being used in the field of Diagnostic Radiology
- ♦ Discuss differential diagnoses of common disease processes as they are seen on radiographic images
- ♦ Demonstrate compliance with various governing agencies to sustain accreditation, licensing and board certification requirements

ACCREDITATION

The Duke University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION

The Duke University School of Medicine designates this educational activity for a maximum of *52 AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

COURSE DIRECTORS

- ♦ Charles M. Maxfield, M.D.
- ♦ Danielle Seaman, M.D.

DUKE RADIOLOGY REVIEW COURSE

April 5-11, 2014

Sheraton Imperial Hotel • Research Triangle Park, NC

Lecture Schedule

APRIL

5 **Saturday**

12:55 – 1:00 p.m.

WELCOME

MUSCULOSKELETAL

1:00 – 1:30 p.m.

Orthopedic Trauma

Charles Spritzer, M.D.

1:30 – 2:00 p.m.

Musculoskeletal Miscellany

Emily Vinson, M.D.

2:00 – 2:35 p.m.

Malignant Skeletal Tumors

Charles Spritzer, M.D.

2:35 – 2:55 p.m.

Metabolic Bone Disease

Emily Vinson, M.D.

2:55 – 3:10 p.m.

Break & Informal Discussion/Q&A

3:10 – 3:40 p.m.

MRI of the Shoulder

Lee Cothran, M.D.

3:40 – 4:25 p.m.

MRI of the Knee

Lee Cothran, M.D.

4:25 – 5:05 p.m.

Benign Lytic Bone Lesions

Clyde Helms, M.D.

5:05 – 5:20 p.m.

Break & Informal Discussion/Q&A

5:20 – 6:00 p.m.

Radiology of Arthritis

Clyde Helms, M.D.

6:00 – 6:30 p.m.

Pediatric Skeletal Radiology

Charles Maxfield, M.D.

Lecture Schedule

APRIL

6

Sunday

- | | |
|--------------------|---|
| 7:00 – 8:00 a.m. | CONTINENTAL BREAKFAST |
| 8:00 – 10:00 a.m. | Physics: X-Ray I – Basics & Mammography
<i>Joseph Lo, PhD</i> |
| 10:00 – 10:15 a.m. | Break & Informal Discussion/Q&A |

INTERVENTIONAL

- | | |
|--------------------|--|
| 10:15 – 10:35 a.m. | Peripheral Interventional Radiology II
<i>Michael J. Miller, M.D.</i> |
| 10:35 – 10:50 a.m. | Mesenteric Arteriography & Intervention
<i>Paul Suhocki, M.D.</i> |
| 10:50 – 11:10 a.m. | Venous Disease and Management
<i>Michael J. Miller, M.D.</i> |
| 11:10 – 11:50 a.m. | Non-Vascular Interventions
<i>Charles Kim, M.D.</i> |
| 11:50 – 12:50 p.m. | LUNCH |
| 12:50 – 1:05 p.m. | Renal Diagnostic & Interventional Radiology
<i>Paul Suhocki, M.D.</i> |
| 1:05 – 1:20 p.m. | Celiac Arterial & Hepatoportal Venous Interventions
<i>David Sopko, M.D.</i> |
| 1:20 – 1:40 p.m. | Peripheral Interventional Radiology I
<i>Tony Smith, M.D.</i> |
| 1:40 – 1:55 p.m. | Basics of Cerebral Angiography
<i>Tony Smith, M.D.</i> |

Lecture Schedule

APRIL

6

Sunday cont.

ULTRASOUND

- | | |
|------------------|--|
| 1:55 – 2:30 p.m. | Ultrasound of the Urinary Tract
<i>Barbara Hertzberg, M.D.</i> |
| 2:30 – 3:00 p.m. | US of Thyroid & Scrotum
<i>Barbara Hertzberg, M.D.</i> |
| 3:00 – 3:15 p.m. | Break & Informal Discussion |
| 3:15 – 3:45 p.m. | GYN US
<i>Sujata Ghate, M.D.</i> |
| 3:45 – 4:30 p.m. | Ultrasound of 1st Trimester & Ectopic Pregnancy
<i>Barbara Hertzberg, M.D.</i> |
| 4:30 – 5:15 p.m. | 2nd & 3rd Trimester Obstetric Ultrasound
<i>Sujata Ghate, M.D.</i> |
| 5:15 – 5:45 p.m. | Abdominal Ultrasound
<i>Clare Haystead, M.D.</i> |

APRIL

7

Monday

- | | |
|------------------|------------------------------|
| 7:00 – 8:00 a.m. | CONTINENTAL BREAKFAST |
|------------------|------------------------------|

BREAST IMAGING

- | | |
|-------------------|--|
| 8:00 – 9:40 a.m. | BI-RADS and the Management of Mammographic Abnormalities
<i>Jay Baker, M.D.</i> |
| 9:40 – 9:55 a.m. | Break & Informal Discussion/Q&A |
| 9:55 – 11:05 a.m. | Breast Sonography, Implants, MRI & Interventional Procedures
<i>Mary Scott Soo, M.D.</i> |

Lecture Schedule

APRIL

7

Monday cont.

- | | |
|--------------------|--|
| 11:05 – 12:05 p.m. | Physics: Radiation Biology & Safety
<i>Robert Reiman, Jr, M.D.</i> |
| 12:05 – 1:05 p.m. | LUNCH |

PEDIATRICS

- | | |
|------------------|---|
| 1:05 – 1:25 p.m. | Newborn Chest
<i>Charles Maxfield, M.D.</i> |
| 1:25 – 2:10 p.m. | The Pediatric Chest
<i>Charles Maxfield, M.D.</i> |
| 2:10 – 2:30 p.m. | Congenital Heart Disease
<i>Ana Gaca, M.D.</i> |
| 2:30 – 2:50 p.m. | Neonatal Head & Spine Ultrasound
<i>Ana Gaca, M.D.</i> |
| 2:50 – 3:05 p.m. | Break & Informal Discussion/Q&A |
| 3:05 – 4:05 p.m. | Peds Gastrointestinal Imaging
<i>Caroline Carrico, M.D.</i> |
| 4:05 – 4:25 p.m. | Pediatric Uroradiology
<i>Charles Maxfield, M.D.</i> |
| 4:25- 4:55 p.m. | Pediatric Abdominal Masses
<i>Caroline Carrico, M.D.</i> |
| 4:55 – 5:15 p.m. | BREAK |
| 5:15 – 6:45 p.m. | Physics: X-Rays II: Digital Imaging
<i>Ehsan Samei PhD</i> |

Lecture Schedule

APRIL

8

Tuesday

7:00 – 8:00 a.m.

CONTINENTAL BREAKFAST

8:00 – 9:00 a.m.

Physics: Nuclear Medicine

Tim Turkington, PhD

NUCLEAR MEDICINE

9:00 – 9:15 a.m.

V/Q Imaging

Salvador Borges-Neto, M.D.

9:15 – 9:40 a.m.

Nuclear Cardiology

Salvador Borges-Neto, M.D.

9:40 – 10:00 a.m.

Endocrine Imaging/CNS Imaging

Bennett Chin, M.D.

10:00 – 10:15 a.m.

Break & Informal Discussion/Q&A

10:15 – 10:45 a.m.

Tumor/Infection/Lymphoscintigraphy

Bennett Chin, M.D.

10:45 – 11:05 a.m.

Hepatobiliary & GI Scintigraphic Studies

Michael Hanson, M.D.

11:05 – 11:25 a.m.

Scintigraphic Studies of the Genitourinary Tract

Michael Hanson, M.D.

11:25 – 11:55 p.m.

Musculoskeletal Scintigraphy

Olga James, M.D.

11:55 – 12:55 p.m.

LUNCH

12:55 – 1:30 p.m.

PET CT

Olga James, MD

Lecture Schedule

APRIL

8

Tuesday cont.

CARDIAC IMAGING

1:30 – 2:00 p.m.	Aortic Disease <i>Danielle Seaman, M.D.</i>
2:00 – 2:40 p.m.	Cardiac Imaging: A pattern-based approach – Part 1 <i>Lynne Hurwitz, M.D.</i>
2:40 – 2:55 p.m.	Break & Informal Discussion/Q&A
2:55 – 3:35 p.m.	Cardiac Imaging: A pattern-based approach – Part 2 <i>Danielle Seaman, M.D.</i>
3:35 – 3:55 p.m.	Imaging Coronary Artery Disease <i>Lynne Hurwitz, M.D.</i>
3:55 – 7:00 PM	DINNER
7:00 – 9:00 p.m.	Multiple choice question review Unknown case review <i>Multiple presenters</i>

APRIL

9

Wednesday

7:00 – 8:00 a.m.	CONTINENTAL BREAKFAST
8:00 – 9:30 a.m.	Physics: CT <i>Daniel Boll. M.D.</i>
9:30 – 9:45 a.m.	BREAK & INFORMAL DISCUSSION/Q&A

CHEST IMAGING

9:45 – 10:15 a.m.	Airspace Disease <i>Jared Christensen, M.D.</i>
10:15 – 11:15 a.m.	Interstitial Lung Disease <i>H. Page McAdams, M.D.</i>

Lecture Schedule

APRIL

9

Wednesday cont.

11:15 – 12:00 p.m.	Airway Disease <i>H. Page McAdams, M.D.</i>
12:00 – 1:00 p.m.	LUNCH
1:00 – 1:30 p.m.	Mediastinum <i>Jared Christensen, M.D.</i>
1:30 – 2:15 p.m.	Pulmonary Nodules, Pleural Abnormalities <i>Lacey Washington, M.D.</i>

NEURORADIOLOGY

2:15 – 2:35 p.m.	Central Nervous System Infections <i>James Provenzale, M.D.</i>
2:35 – 3:00 p.m.	Diseases of White Matter <i>James Provenzale, M.D.</i>
3:00 – 3:15 p.m.	BREAK & INFORMAL DISCUSSION/Q&A
3:15 – 3:45 p.m.	Imaging of the Spine – Extradural Disease <i>Christopher Lascola, M.D., Ph.D.</i>
3:45 – 4:25 p.m.	Intradural & Intramedullary Diseases of the Spine <i>Peter Kranz, M.D.</i>
4:25 – 5:00 p.m.	Temporal Bones <i>Jenny Hoang, M.D.</i>
5:00 – 5:15 p.m.	BREAK & INFORMAL DISCUSSION/Q&A
5:15 – 5:45 p.m.	Head & Neck Radiology <i>James Eastwood, M.D.</i>
5:45 – 6:30 p.m.	Practical Approach to Brain Tumors <i>David Enterline, M.D.</i>

Lecture Schedule

APRIL

10

Thursday

8:00 – 10:00 a.m.	Physics: MR <i>Mustafa Bashir M.D.</i>
10:00 – 10:15 a.m.	BREAK & INFORMAL DISCUSSION/Q&A
10:15 – 10:45 a.m.	Congenital Anomalies of the Brain <i>Daniel Barboriak, M.D.</i>
10:45 - 11:20 a.m.	Imaging of the Orbits <i>Chris Roth, M.D.</i>
11:20 – 12:00 p.m.	Cerebrovascular Disease <i>Daniel Barboriak, M.D.</i>
12:00 – 1:00 p.m.	LUNCH

ABDOMINAL IMAGING

1:00 – 1:30 p.m.	Non-Invasive Imaging of the Biliary System <i>Mustafa Bashir, M.D.</i>
1:30 – 1:55 p.m.	Imaging of Pancreatic Disease <i>Mustafa Bashir, M.D.</i>
1:55 – 2:25 p.m.	Imaging of Abdominal Trauma <i>Rajan Gupta, M.D.</i>
2:25 – 2:55 p.m.	Radiology of the Adrenals & Retroperitoneum <i>Lisa Ho, M.D.</i>
2:55 – 3:10 p.m.	BREAK & INFORMAL DISCUSSION/Q&A
3:10 – 3:50 p.m.	Renal Masses <i>Richard A. Leder, M.D.</i>
3:50 – 4:15 p.m.	Imaging of the Ureters, Bladder & Urethra <i>Lisa M. Ho, M.D.</i>
4:15 – 4:40 p.m.	Infection of the Genitourinary System <i>Richard A. Leder, M.D.</i>
4:40 – 7:00 p.m.	DINNER
7:00 – 9:00 p.m.	Multiple choice question review Unknown case review <i>Multiple presenters</i>

Lecture Schedule

APRIL

11

Friday

7:00 – 8:00 a.m.	CONTINENTAL BREAKFAST
8:00 – 8:30 a.m.	MR of the Female Pelvis <i>Tracy Jaffe, M.D.</i>
8:30 – 9:00 a.m.	“Itis”, Obstruction, Ischemia <i>Danielle Marin, M.D.</i>
9:00 – 9:25 a.m.	Esophagus to Stomach <i>Chad Miller, M.D.</i>
9:25 – 10:00 a.m.	Small Bowel & Colon <i>Daniel Boll, M.D.</i>
10:00 – 10:15 a.m.	BREAK & INFORMAL DISCUSSION/Q&A
10:15 – 11:00 a.m.	Liver & Splenic Imaging <i>Rendon C. Nelson, M.D.</i>
11:00 – 12:00 p.m.	Physics: Ultrasound <i>Chad Miller M.D.</i>
12:00 – 12:15 p.m.	BREAK & INFORMAL DISCUSSION
12:15 – 12:45 p.m.	Vascular Ultrasound <i>Chad Miller, M.D.</i>
12:45 – 1:15 p.m.	Quality Control & Safety <i>Lee Cothran, M.D.</i>
1:15 p.m.	ADJOURN

Faculty

ABDOMINAL IMAGING

Mustafa Bashir, M.D.

Assistant Professor

Daniel Boll, M.D.

Associate Professor

Sujata Ghate, M.D.

Associate Professor

Rajan Gupta, M.D.

Assistant Professor

Clare Haystead, M.D.

Assistant Professor

Barbara Hertzberg, M.D.

Professor

Lisa Ho, M.D.

Associate Professor

Tracy Jaffe, M.D.

Associate Professor

Richard Leder, M.D.

Associate Professor

Daniele Marin, M.D.

Assistant Professor

Chad Miller, M.D.

Assistant Professor

Rendon Nelson, M.D.

Professor

Erik Paulson, M.D.

Professor & Chairman

Bhavik Patel, M.D.

Assistant Professor

BREAST IMAGING

Jay Baker, M.D.

Professor

Karen Johnson, M.D.

Assistant Professor

Mary Scott Soo, M.D.

Associate Professor

CARDIOTHORACIC IMAGING

Jared D. Christensen, M.D.

Assistant Professor

Lynne Hurwitz, M.D.

Associate Professor

H. Page McAdams, M.D.

Professor

Justus Roos, M.D.

Associate Professor

Danielle Seaman, M.D.

Assistant Professor

Lacey Washington, M.D.

Associate Professor

MUSCULOSKELETAL IMAGING

R. Lee Cothran, M.D.

Assistant Professor

Thomas Hash, M.D.

Assistant Professor

Clyde Helms, M.D.

Professor

Charles Spritzer, M.D.

Professor

Emily Vinson, M.D.

Assistant Professor

NEURORADIOLOGY

Daniel Barboriak, M.D.

Professor

James Eastwood, M.D.

Associate Professor

David Enterline, M.D.

Associate Professor

Linda Gray, M.D.

Associate Professor

Jenny Hoang, M.D.

Associate Professor

Peter Kranz M.D.

Assistant Professor

Chris D. Lascola, M.D., Ph.D.

Assistant Professor

Jeffrey Petrella, M.D.

Associate Professor

James Provenzale, M.D.

Professor

Christopher Roth, M.D.

Assistant Professor

NUCLEAR MEDICINE

Salvador Borges-Neto, M.D.

Professor

Bennett Chin, M.D.

Associate Professor

Michael Hanson, M.D.

Professor

Brandon Howard, M.D., Ph.D.

Medical Instructor

Olga James, M.D.

Assistant Professor

PEDIATRICS

Caroline Carrico, M.D.

Associate Professor

Ana Gaca, M.D.

Assistant Professor

Charles Maxfield, M.D.

Professor

Physics

Joseph Lo, Ph.D.

Associate Professor

Robert Reiman, M.D.

Associate Professor

Ehsan Samei, Ph.D.

Professor

Timothy Turkington, Ph.D.

Associate Professor

INTERVENTIONAL

Charles Kim, M.D.

Assistant Professor

Michael J. Miller, M.D.

Assistant Professor

Waleska Pabon-Ramos, M.D.

Medical Instructor

Tony Smith, M.D.

Professor

David Sopko, M.D.

Medical Instructor

Paul Suhocki, M.D.

Associate Professor

All faculty are members of the Duke
Department of Radiology.



Duke University Medical Center
Durham, North Carolina

www.radiology.duke.edu

Duke Review Course 2014

COURSE FEE

	<u>On or prior to 3/5</u>	<u>After 3/5</u>
♦ Practicing Radiologists	\$1,395	\$1,470
♦ Military Radiologists	\$925	\$1,000
♦ Residents/Fellows	\$895	\$970

Fees include all continental breakfasts, breaks, and lunches.

In an effort to be more environmentally conscious, we will distribute syllabus electronically. You are encouraged to bring your laptop or electronic device to follow along. All seats are equipped with power strips for your convenience. A paper syllabus **will only be provided upon request at a cost of \$50**. Please mark the appropriate box on the registration form.

A \$100 administrative fee will be assessed on all refunds prior to 3/14/2014. After that date, no refund will be made.

For more information contact: **Debbie Griffin**
Course Coordinator
919-684-7228
deborah.griffin@duke.edu

PRACTICING RADIOLOGISTS

Practicing radiologists are assigned to a spacious and comfortable auxiliary conference room with tiered seating. Seating is limited to 100 persons. When room capacity is reached, you would be assigned to the larger conference room. The lectures are projected via a live audio/video feed from the main conference room. Practicing radiologists will have ample access to the faculty for questions after each session.

Breakfast and breaks are served directly in the private auxiliary

conference room.

REGISTRATION

Registration and payment is easy with one of three convenient options:

- ✦ Register and pay online at **www.radiology.duke.edu** with a credit card.
- ✦ Download the registration form and fax with complete credit card information to: **919-660-1769**
- ✦ Download the registration form from the website and mail with check payable to Duke University to:

**Duke University Conference Services
Radiology Review Course
0066 Bryan University Center, Box 90841
Durham, NC 27708-0841**

Early registration is recommended as the course fills to room capacity. No on site registration is available.

Course materials will be available outside the conference room on **Saturday, April 5 beginning at 9 a.m.**

TRAVEL ARRANGEMENTS

The area is served by the Raleigh-Durham International Airport.

ACCOMMODATIONS

The meeting is conveniently located at the Sheraton Imperial Hotel & Convention Center in Research Triangle Park, only 5 minutes away from the Raleigh-Durham International Airport (RDU) located between Durham (the “City of Medicine”: home of Duke University), Raleigh (capital of North Carolina) and Chapel Hill.

A block of discounted rooms is available at the Sheraton Imperial Hotel & Convention Center for the Review Course. The hotel houses two restaurants and has a 30,000 square foot athletic facility and adjacent lighted fitness trail. Airport transportation is provided by the hotel. Van service to nearby locales in the evening is provided for registrants.

Reservations can be made at **www.radiology.duke.edu** (click on the Duke Review Course link and select Hotel Reservation) or by contacting the hotel directly.

Sheraton Imperial Hotel

4700 Emperor Blvd Durham, NC 27703

919-941-5050

www.sheratonrtp.com

\$139 single/double per night

OTHER NEARBY LODGING

- ◆ Springhill Suites by Marriott: 919-998-9500
- ◆ Comfort Suites – RTP: 919-314-4949
- ◆ Wingate Inn: 919-941-2854
- ◆ Sleep Inn Hotel: 919-933-3393
- ◆ Hilton Raleigh-Durham Airport – RTP: 919-941-6000

AREA & WEATHER

The weather in April is beautiful! Average high temperatures in the spring are in the mid 70s with nightly lows in the 40-50s. Lightweight clothing is the preferred dress during the day with possibly a sweater or light jacket in the evenings and early mornings.

The meeting room is typically cool – Bring a sweater!

FACULTY DISCLOSURE

The Duke University School of Medicine adheres to ACCME Essential Areas, Standards, and Policies regarding industry support of continuing medical education. Disclosure of the planning committee and faculty's commercial relationships will be made known at the activity. Speakers are required to openly disclose any limitations of data and/or any discussion of any off-label, experimental, or investigational uses of drugs or devices in their presentations.

RESOLUTION OF CONFLICTS OF INTEREST

In accordance with the ACCME Standards for Commercial Support of CME, the Duke University School of Medicine will implement mechanisms, prior to the planning and implementation of this CME activity, to identify and resolve conflicts of interest for all individuals in a position to control content of this CME activity.

DISCLAIMER

The information provided at this CME activity is for continuing medical education purposes only and is not meant to substitute for the independent medical judgment of a physician relative to diagnostic and treatment options of a specific patient's medical condition.

SPECIAL NEEDS STATEMENT

The Duke Department of Radiology is committed to making its activities accessible to all individuals. If you are in need of an accommodation, please do not hesitate to call and/or submit a description of your needs in writing in order to receive service.