

Signa MR Masters Course

PHYSICIANS' MR TRAINING PROGRAM

Helping you utilize the full clinical benefits of MR's most advanced techniques.

Presents



MRI Physics and Clinical Applications Training



With William G. Bradley, MD., Ph.D., FACR, San Diego, CA

Dr. Bradley is a well known author and instructor in MR. He has experience on several vendors' equipment and has developed a course specifically tailored to the language of the GE Signa MRI. As a result of Dr. Bradley's recent move to UCSD as Chairman of Radiology, the Musculoskeletal MRI talks will now be given by Don Resnick, MD, and his staff. The Body MRI talks will be given by Bob Matterey, MD, and staff. John Hesselink, MD, Rosalind Dietrich, MD, and Wade Wong, DO, will now be sharing the Neuro talks with Dr. Bradley. As always, the course is highly interactive, facilitated in part by the small class size. This course lasts one week (M-F) and covers MRI from soup to nuts, including everything from the basic physics to Diffusion Imaging on the GE Signa MR/i.



Objectives

At the conclusion of this course, attendees should:

- Understand the physics behind MRI including the concepts of T1, T2, bandwidth, k-space parallel imaging and PROPELLER.
- Understand when gradient echo, conventional spin echo, fast spin echo and echo planar imaging should be used.
- Understand the major applications of MRI in the CNS, the musculoskeletal system, the abdomen, pelvis, and heart.
- Know when MRI is preferred to CT or ultrasound for lesion detection.

Statement of Need

It is well known that general radiologists need more training in MRI. Those that can, do a one year fellowship (such as we offer). Those that can't need to take advantage of courses such as ours to become marginally proficient at MRI.

Target Audience

Radiologists who must read MRI studies clinically without having had a full one year fellowship.

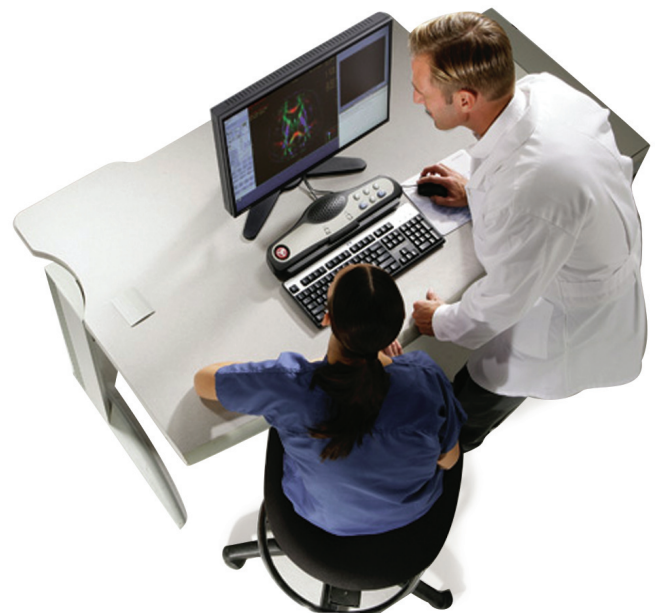
Accreditation Statement

"University of California, San Diego School of Medicine is accredited by the Accreditation Council for Continuing Medical Education ("ACCME") to provide continuing medical education for physicians."

"The University of California, San Diego School of Medicine designates this educational activity for a maximum of 40.0 Category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity."



"An excellent course, thanks to Dr. Bradley's comprehensive command of Signa MR. Highly recommended."



MR Physics Course Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
8:00 - 9:30 Introduction & Fundamentals of Interpretation (Bradley)	8:00 - 9:30 Brainstem (Bradley)	8:00 - 9:30 Contrast Use in Brain (Bradley)	8:00 - 9:30 Pediatric CNS (Neuro)	8:00 - 9:30 Introduction to K-Space & FSE (Bradley)
9:30 - 10:30 Determinants of T1 and T2 (Bradley)	9:30 - 10:30 Hemorrhage (Bradley)	9:30 - 10:30 MR Spectroscopy (Bradley)	9:30 - 11:00 Periventricular Region (Bradley)	9:30 - 11:00 Stroke (Bradley)
10:30 - 11:30 Flow Phenomena (Bradley)	10:30 - 11:30 MRA (Bradley)	10:30 - 12:00 Contrast Use in Spine (Bradley)	11:00 - 12:00 Hydrocephalus & CSF Flow (Bradley)	11:00 - 12:00 EPI Diffusion & Perfusion (Bradley)
11:30 - 12:30 Lunch	11:30 - 12:30 Lunch	12:00 - 1:00 Lunch	12:00 - 1:00 Lunch	12:00 - 1:00 Lunch
12:30 - 2:00 Fundamental Physics (Bell)	12:30 - 2:00 Elbow & Wrist (MSK)	1:00 - 2:00 Prostate (Body)	1:00 - 2:00 Head and Neck (Neuro)	1:00 - 2:00 Practical fMRI (Neuro)
2:00 - 3:00 Practical Physics (Bell)	2:00 - 3:00 Knee (MSK)	2:00 - 3:00 Female Pelvis (Body)	2:00 - 3:00 Skull Base & Cranial Nerves (Neuro)	2:00 - 3:00 CE MRA (Bradley)
3:00 - 4:00 Physics Chalk Talk (Bell)	3:00 - 4:00 Shoulder (MSK)	3:00 - 4:00 Abdomen/MRCP (Body)	3:00 - 4:00 Degenerative Spine (Bradley)	3:00 - 4:00 Cardiac (Bradley)
4:00 - 5:00 Artifacts (Bell)	4:00 - 5:00 Ankle (MSK)	4:00 - 5:00 Breast (Body)	4:00 - 5:00 Image Optimization (Bradley)	4:00 - 5:00 Interventional MRI (Bradley)

Faculty

<i>Neuro</i>	Neuro MRI Readers: Hesselink, Wong, Healy, Dietrich
<i>MSK</i>	Musculoskeletal MRI readers: Resnick, Pathria, Chung
<i>Bell</i>	Robert Bell, Ph.D.

Location

UCSD
402 W. Dickinson St.
Suite 450
San Diego, CA



imagination at work