School of Medical Imaging and Therapeutics Presents

Image Optimization in Magnetic Resonance Imaging

February 23, 2015

MCPHS University | WTE 301 | 179 Longwood Ave. | Boston, MA 02115

alumni.mcphs.edu/mriwestbrook

Activity Description

Catherine Westbrook, author of "Handbook of MRI Technique" and "MRI at a Glance" is coming to Boston to gather data regarding MRI education for primary and post-primary MRI technologists. **Ms. Westbrook is seeking interested technologists who either completed technologist training on the job or through a formal MRI program without prior experience in radiology.** Participants will be administered a bank of 100 questions broken into 20 questions/sessions with a 10-minute time limit for each session (1 hour total). The exam will be taken **anonymously** – no one will know your score. After the exam, everyone may proceed to the CE registration area for refreshments, socializing, and networking. Ms. Westbrook will then, as a thank you for your participation, hold a **complimentary 2 credit hour CE presentation on MRI imaging optimization.**

Schedule

4:00-5:15pm
Volunteer Research Testing (Primary & Post-Primary MR Technologists)

5:15-6:00pm
CE Registration and Light Dinner/Refreshments

6:00-8:00pm
CE Session: Image Optimization in Magnetic Resonance Imaging (*Catherine Westbrook*)

Accreditation

2.00 Category A Credits have been approved by the American Society of Radiologic Technologists (ASRT) (course #UKZ0034001).
Note: *ASRT accreditation granted to Catherine Westbrook directly rather than MCPHS University.*

Registration

Registration is complimentary to MCPHS Alumni & Affiliates – Register online at alumni.mcphs.edu/mriwestbrook.

Attendance Documentation & Verification

All registrants must sign in at the beginning of the activity and return an attestation sheet at the end of the activity. Attendance will be documented. Participants must attend entire activity for credit.

Learning Objectives

To enable the participant to:

- Understand that factors that affect the signal to noise ratio (SNR) and how protocols can be manipulated to improve this in an MR image.
- Understand the concept of contrast to noise and how different techniques improve it.
- Identify geometry factors in an MR image and how these affect spatial resolution, SNR and scan time.
- Appreciate how scan times may be optimised and how image quality is affected.
- Analyze the general principles that underpin protocol selection and modification including appropriate parameter selection
- Apply decision making strategies in clinical imaging.

Location

MCPHS Boston Campus, Room WTE301
179 Longwood Ave.(entrance on Palace Road)
Boston, MA 02115

Please visit alumni.mcphs.edu/mriwestbrook for full location information and resources.