

Objectives

To identify the major hardware components.

To understand the basic concepts of magnetism and how this is applied to tissue

To learn how an MR signal is induced by means of exposure to a static oscillating magnetic field

To understand how tissue relaxation characteristics can be utilized to alter the MR images

To understand the basic difference between spin echo and inversion recovery sequences and how they are utilized in acquiring images with various contrast differences

To learn how Gradient Echo sequences differ from SE and learn how to utilize them in imaging

To understand the general concepts relating to MR data acquisition and how acquisition time is determined

To understand how the various imaging parameters affect MR image quality with regards to spatial resolution, contrast resolution and SNR.

Meeting Organizers

Wendy Callahan, RT(R)(MR)

Melonee Elrod, RT(R)(M)(CT)(MR)

Cindy Hipps, BHS, RT(R)(MR), FSMRT

Carol Lee, BSRT(R)(CT)(MR)

Special Hotel Rate of \$69 plus tax has been secured at: (includes breakfast)

Wingate by Wyndham

Greenville Airport

**33 Beacon Drive, I-85 at Exit 54,
Greenville, SC 29615**

Phone: (864) 281-1281

*Use **SMRT or Village Hospital** to receive this special rate! **Rooms must be booked before February 25, 2012.***

South Carolina SMRT

2012

Chapter Sponsored Meeting

**"A Registry Review with
Bill Faulkner"**

March 9, 2012 8am-5pm

**The Village Hospital
Village at Pelham
Community Center-Entrance B**

**250 Westmoreland Rd.
Greer, SC 29651**



**8 Category A CE Credits
Approved through SMRT**

A recognized CE mechanism of the ARRT

**Phone: (864) 530-4663
for more information**

Directions



This registry review is sponsored by **The Village Hospital** and **SC SMRT**.

The hospital is conveniently located next to the Greenville Spartanburg International Airport and off of Exit 56 off I-85. The meeting will be held in the community center at the Village at Pelham Medical Office Building, Entrance B.

From Spartanburg

Take I-85 South to Exit 56 (Highway 14). At the top of the exit, turn left. The Village Hospital is approximately 0.6 miles on your left at the corner of Westmoreland Road and SC-14.

From Greenville

Take I-85 North to Exit 56 (Highway 14). At the top of the exit, turn right. The Village Hospital is approximately 0.6 miles on your left at the corner of Westmoreland Road and SC-14.

Thanks to Medtronic for sponsoring Bill Faulkner!!



SC SMRT Chapter Meeting Agenda March 9, 2012

8:00-8:30 AM	Continental Breakfast
8:30-9:20 AM	<i>MRI Hardware</i>
9:20-10:10 AM	<i>Basic Principles of Magnetism and MRI</i>
10:10- 10:20 AM	Break
10:20-11:10 AM	<i>Producing an MR Signal</i>
11:10-12:00 Noon	<i>Relaxation and Image Contrast</i>
12:00-1:00 PM	Box Lunch-Provided
1:00-1:50 PM	<i>Spin Echo and Inversion Recovery</i>
1:50-2:40 PM	<i>Gradient Echo</i>
2:40-3:00 PM	Break
3:00-3:50 PM	<i>MR Data Acquisition</i>
3:50-4:40 PM	<i>MR Image Quality</i>

This one day course is designed to provide a basic overview of MR principles for those preparing to take the MR Registry in the near future. MR Students will also benefit by hearing one of the leading MR experts explain MR physics in a simply, fun and understandable way!! Bill Faulkner comes highly recommended by his peers from across the globe. Bill is the owner of William Faulkner and Associates which is an MR Education and Operations consulting company. He is revered as one of the industries most acclaimed and highly sought after MR professionals for his vast knowledge and expertise in the field of MR.

You will not want to miss this opportunity!!

Registration Information

Early registration is recommended.

Name_____

Institution_____

Address_____

City_____State_____Zip_____

Phone_____Fax_____

Email_____

(Email confirmation only will be sent)

Registration Fee:		Early <i>(Before 2-24-12)</i>	On-site
		\$125	\$140

Space is limited-Please register early to secure space. Send checks only to the below. Email confirmation will be sent.

All checks should be made payable to SC-SMRT and sent to the following:

SC-SMRT
c/o Cindy Hipps
104 Homestead Dr.
Piedmont, SC 29673
Phone: (864) 530-4663
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E-mail address cindyhipps@att.net

