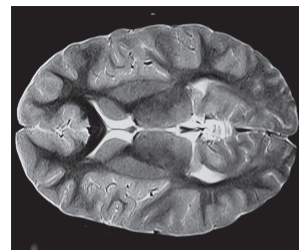



Northwest Imaging Forums, Inc
P.O. Box 25909
Eugene, OR 97402

Note: If you cannot attend, please pass this brochure to an interested colleague

MRI Boot Camp & Registry Review

March 19 - 21, 2012



LUXOR
LAS VEGAS

Presented by:

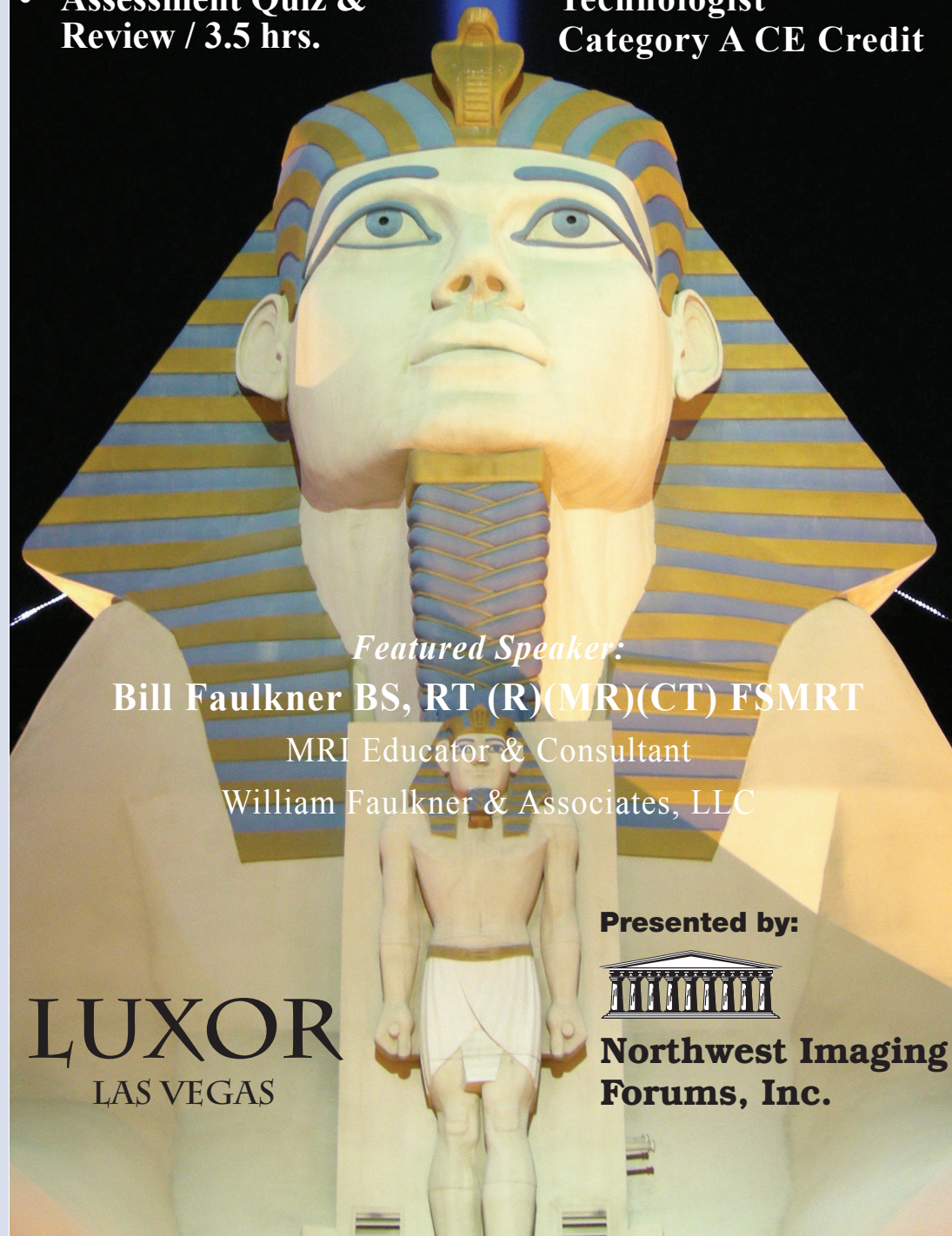
Northwest Imaging Forums, Inc.

MRI Boot Camp & Registry Review

March 19 - 21, 2012

- **Preparing Yourself for the Exam / 20.5 hrs.**
- **Assessment Quiz & Review / 3.5 hrs.**

**Offers up to
24 hours of
Technologist
Category A CE Credit**



Featured Speaker:

Bill Faulkner BS, RT (R)(MR)(CT) FSMRT

MRI Educator & Consultant

William Faulkner & Associates, LLC

Presented by:



**Northwest Imaging
Forums, Inc.**

LUXOR
LAS VEGAS

Accreditation: Offers up to 24 hours of Technologist Credit

This program has been submitted for approval at 24.0 hours of Category A CE credit (evidence of continuing education) by the Section for Magnetic Resonance Technologists (SMRT). The Registry Review session (Mar 19 - 21) will offer up to 20.5 credit hours. The Assessment Quiz & Review session (Mar 21) will offer up to 3.5 credit hours. In order to obtain the maximum credit hours offered (24.0) you must attend ALL presentations on all three days. Guidelines approved by the SMRT verifying attendance for each lecture will be followed and a certificate of attendance will be issued to each qualified attendee by Northwest Imaging Forums, Inc. and mailed after the course.

Educational Objectives & Course Description

MRI is a complex modality taking advantage of the magnetic properties of hydrogen, which is abundant in human tissues. This course is designed as an intensive and comprehensive review for those technologists preparing for the ARRT advanced certification exam in MRI. The content is selected to mirror a large portion of the ARRT published exam specifications (with the exception of clinical requirements and anatomy). Additionally, this program is designed for the radiologic technologist who is beginning to work in MRI or has been working in MRI but has never had any formal education in the basic principles of MRI.

In general terms, following this course, the technologist should be able to:

- Understand the basic principles behind the production of an MR signal from hydrogen
- Define T1 relaxation, T2 relaxation and Proton Density
- Understand how those intrinsic properties of tissues effect image contrast and how to control the MR image contrast using the available sequence parameters
- Understand the basic differences between the major MR pulse sequences and know the main clinical utilities of each
- Understand the basic concepts of MR data acquisition (image formation)
- Understand the basic concepts of fast imaging / acquisition techniques
- Recognize various MR artifacts, understand their cause and methods for managing such artifacts
- Understand how sequence parameters effect the various components of MR image quality and know how to manipulate these sequence parameters to optimize MR image quality for various clinical situations
- Explain the major differences between the commonly used techniques for acquiring MR Angiography exams
- Understand how MR is used to assess diffusion and perfusion abnormalities in the brain

LUXOR Hotel and Casino

LUXOR Hotel and Casino / www.LUXOR.com

We will meet in the fabulous LUXOR Hotel & Casino, the thirty story glass "Pyramid" on the famous Las Vegas strip. Located just 2.5 miles from McCarran International Airport, this elegant, 4,300 room hotel is the perfect setting for both business and pleasure. With eight restaurants, showroom entertainment, a 120,000 square foot casino and many attractions such as The Titanic Show & Museum, there is much to see and do. Across the street are the spectacular MGM Grand and Excalibur Hotels, offering yet more entertainment and fun. Las Vegas offers all its visitors unparalleled 24 hour excitement. There is truly something for everyone in this city of lights, glamour and fun. Parking at the hotel is free.

Room Reservations: We have been given special reduced sleeping room rates at the Luxor Hotel and Casino of \$55.00 per night plus tax. **You may reserve your room using the following link:** <https://resweb.passkey.com/go/MRI12P> or you can contact the hotel by dialing toll free (800) 344-0131 and referring to 2012 MR Registry with NWIF. Please call or email us if you have any questions.

IMPORTANT LUXOR NOTE: The meeting will be held in the (Main Ballroom), which is located in the West Tower. When reserving a Luxor sleeping room, please consider requesting to be placed in the West Tower.

Need more information about Las Vegas ? www.visitlasvegas.com

Featured Speaker

William Faulkner, BS, RT (R)(MR)(CT) FSMRT
MRI Educator & Consultant
William Faulkner & Associates, LLC
Chattanooga, Tennessee



Bill Faulkner is currently working as an independent consultant with his own company, William Faulkner & Associates, providing MRI education and operations consulting. His clients have included Philips Medical Systems, GE Healthcare, ONI Medical Systems, MRI Devices (Invivo), Bracco Diagnostics, Medtronic and other major vendors.

Bill has been teaching a Basic MRI course in Chattanooga, TN for over 18 years and has been holding MR registry review programs for more than 14 years (www.t2star.com). He also serves as the Director of Education at Chattanooga Imaging and as an adjunct faculty member at Chattanooga State Technical Community College. Bill speaks at many MR and CT conferences for groups that include Northwest Imaging Forums, Educational Symposia, Institute for Advanced Medical Education and the SMRT.

Bill has been voted **Most Effective Radiologic Technologist Educator** by on-line voting at AuntMinnie.com and was awarded the Crues-Kressel award for his contributions to MR technologist education at the SMRT 2005 Annual Meeting in Miami.

Testimonial

I have forwarded my good news to my fellow students and instructors and have advised them to take your lecture as well as use your review material. It was the best money that I had spent and the best entertainment that I have ever had in a conference. Thank you Cindy Besteman RT (R) (M) (CT) (MR)

Hello Mr Faulkner, I attended your MR registry review earlier this month in Vegas. I passed my exam on 3/22 and owe it all to you! I increased my score 9%. You have a great gift in being able to teach the material. You also have helped change hundreds if not thousands of lives through your teachings by helping people have confidence. Thank you so much from me and my family!! I will see you guys again for ct. Thanks again Brad

Hey Bill, I was at your review in Orlando a few weeks ago. What a difference it made. I made a 90 on my test. Thanks for all your help, Karen Williams Kingsland, GA

Special Thanks

We gratefully acknowledge the sponsorship of
Medtronic

Program Format

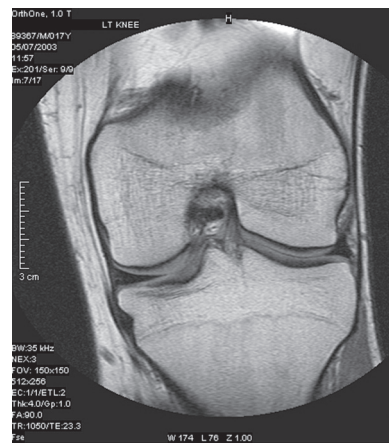
Preparing for the Exam (20.5 hours)

Monday 3/19 (8.0 hours)

- 7:30** Registration Desk Opens - Coffee, Tea & Pastries
- 8:30** Opening Announcements
- 8:35** Principles of Magnetism / Introduction to MR Equipment
- 9:25** Basic Principles of MRI
- 10:15** Coffee Break
- 10:35** Production of an MR Signal
- 11:25** Introduction to MR Pulse Sequences
- 12:15** Lunch on Your Own
- 1:25** MR Image Contrast Control
- 2:15** Spin Echo and Inversion Recovery
- 3:05** Soft Drink Break
- 3:25** Gradient Echo Imaging : Part I
- 4:15** Gradient Echo Imaging : Part II
- 5:05** End of Day - Prizes & Drawings

Tuesday 3/20 (8.0 hours)

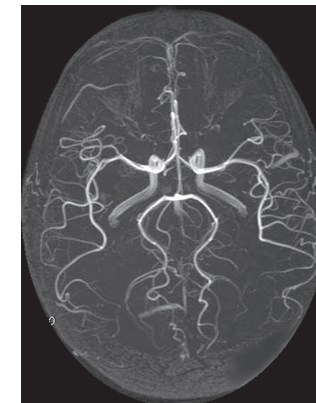
- 7:30** Registration Desk Opens - Coffee, Tea & Pastries
- 8:30** Announcements
- 8:35** MR Contrast Agents
- 9:25** Gradient Magnetic Fields
- 10:15** Soft Drink Break
- 10:35** Spatial Encoding Basics
- 11:25** Advanced Data Acquisition Techniques
- 12:15** Lunch on Your Own
- 1:25** Fast Scanning Techniques
- 2:15** MR Image Quality Issues
- 3:05** Coffee Break
- 3:25** MR Safety
- 4:15** Diffusion / Perfusion Imaging
- 5:05** End of Day - Prizes & Drawings



Wednesday 3/21 (4.5 hours)

- 7:30** Registration Desk Opens - Coffee, Tea & Pastries
- 8:00** Announcements
- 8:05** MRA Overview : Time of Flight & Phase Contrast
- 8:55** Contrast Enhanced MRA
- 9:45** Coffee Break
- 10:05** Scanning Patients with Conditional Devices Part 1
- 10:55** Scanning Patients with Conditional Devices Part 2
- 11:45** Q & A with Bill & Closing Thoughts
- 12:15** End of Registry Preparation Session

All lectures given by
William Faulkner, BS, RT (R)(MR)(CT) FSMRT



Optional Attendance Session

Assessment Quiz : Review and Discussion (3.5 hours)

Wednesday 3/21 (3.5 hours)

- 1:30** Math Calculations for MRI: Practice Makes Perfect
- 2:00** Walking Through an Assessment Quiz One Question at a Time : Part I
- 3:15** Coffee Break
- 3:35** Walking Through an Assessment Quiz One Question at a Time : Part II
- 4:50** End of Conference - Prizes & Drawings

Registration Fees

Please Note: - **Early Fee** is payment received on or before 03/09/12
- **Standard Fee** is payment received 03/10/12 thru 03/15/12
- **Late Fee** is payment received on or after 03/16/12

- **“MR Registry Preparation” only : 20.5 hours**
All Attendees : Early Fee **\$560** Standard Fee **\$600** Late Fee **\$630**
- **“Assessment Quiz and Review” only : 3.5 hours**
All Attendees: Early Fee **\$175** Standard Fee **\$200** Late Fee **\$220**
- **Best Value - Attend Both Sessions : 24 hours**
All Attendees: Early Fee **\$625** Standard Fee **\$665** Late Fee **\$695**

Cancellation Policy

All cancellation requests must be in writing.

- 1) Cancellations received on or before 03/09/12 will receive a full refund. Those received after 03/10/12 thru 03/15/12 will be refunded the registration fee less a 25% service charge.
- 2) No credit or refunds are available on or after 03/16/12. **No exceptions.**
- 3) In the event a national emergency, such as a nationwide airline shutdown makes it impossible to conduct the meeting, each paid registrant will receive a credit voucher to attend a future meeting.

Registration Form (Please Print - this form may be copied)

*Registration is also available on line at: www.nwforums.com
Note — Registration is confirmed and processed only when payment is received.
Confirmation will then be emailed.*

Name (print) _____

Note: Email address is required for confirmation purposes.

Email Address (Print) _____

Facility _____

The address below is Facility Home (Circle One)

Street _____

City _____ State _____ Zip code _____

Day Phone (_____) _____ Work Home (Circle One)

Manufacturer of MR equipment in your facility: _____

I will attend : (CIRCLE ONE)

Preparation Session only Assessment Quiz & Review only Both Sessions

Payment enclosed or amount charged to credit card. \$ _____

Charge to: VISA MasterCard American Express Discover

Card Number _____ Exp. Date _____

3 Digit Credit Card Security Code (found on back of card) _____

Name on Card (print) _____

Card holder Signature (required) _____

MR Registry-12/3

Checks payable / send registration form to:



Northwest Imaging Forums, Inc.

P.O. Box 25909

Eugene, Oregon 97402

Please contact us to register or with questions:

Phone: (888) 683-4930 Toll Free 9am - 5pm M-F Pacific Time

(541) 683-4930 Direct 9am - 5pm M-F Pacific Time

Fax: (541) 683-8499 24 Hours a Day

E-mail: registration@nwforums.com Web site: nwforums.com