

**William H. Faulkner, Jr. B.S.,R.T.(R)(MR)(CT), FSMRT**

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**Education**

*August, 1988*

**University of Tennessee at Chattanooga**

Chattanooga, TN

Bachelor of Science, Human Services: Allied Health Management *Cum Laude*. Twice Nominated for Executive Director's Award, UTC Human Services Department

*October, 1985*

**GE Medical Systems**

Milwaukee, WI

Signa Operators Training Program

*September, 1985*

**Huntington Medial Research Institute**

Pasadena, CA

Mini-Fellowship in MRI Technology

*June, 1973 to June, 1975*

**Chattanooga State Technical Community College and Memorial Hospital**

Chattanooga, TN

Associate of Science Degree and Certificate, Radiologic Technology *Magna Cum Laude*. Who's Who Among Students in American Junior Colleges, 1974-1975

*May, 1973*

**East Ridge High School**

High School Diploma

**Professional Certifications**

American Registry of Radiologic Technologists (ARRT)  
Radiography Registry Number: 123332

Advanced Certification in Magnetic Resonance Imaging  
March, 1995

Advanced Certification in Computed Tomography  
March, 1997

## Professional Memberships and Activities

*Founding board member of the American Board of Magnetic Resonance Safety (ABMRS) January 2015*

*International Society of Magnetic Resonance in Medicine (ISMRM)*

Appointed to MR Safety Committee 1993 (SMR): Assisted in development of standardized MR patient screening procedure.

Technologist education Committee Member 1990 - 1991

*Section of Magnetic Resonance Technologists (SMRT)*

SMRT First President 1991 - 1992

Treasurer 1995 – 1998

Secretary 2001 - Present

Policy Board Member 1992 - Present

Appointed to ISMRM Safety Committee 1996

Designated as a Fellow, April 2001

Past Member: GE Education Advisory Board (Advisory Board no longer active)

*Institute for Magnetic Resonance Education, Safety and Research (IMRSER)*

Charter member of the Medical, Scientific, and Technology Advisory Board, April 2002 - Present

*International Journal of Neuroradiology*

Editor, Technical Applications 1995 - 1999

## Publications / Exhibits / Awards

"MR system operator: Recommended minimum requirements for performing MRI in human subjects in a research setting", *Journal of Magnetic Resonance Imaging*, Article first published online: 23 JUL 2014  
DOI: 10.1002/jmri.24717

"Principles of Radiographic Imaging: An Art and a Science", 5th Edition. Published by Delmar. Contributing author for chapter entitled: "Magnetic Resonance Imaging"

"Gadolinium-Based MR Contrast Agents", *SMRT Home study*, Volume 11, Number 2, August 2008.

***Crues Kressel Award*** from the SMRT (2005 annual meeting) for outstanding contributions to MR Technologist education

"Scanning at Lower Field Strengths: 1.0 T and Less: *SMRT Education Home Study* Volume 9, Number 3, 2006

"Pulse Sequences: The Physics of Clinical MR Taught Through Images", **Certificate of Merit Award**, RSNA 2004

"The Physics of Clinical MRI Taught Through Images", contributing author. Published by Thieme, 2004

"The Physics of Clinical MR for Neuroradiology Taught Through Images". Silver Medal – Scientific Exhibit Awards for 2004 American Roentgen Ray Society.

Voted "**Most Effective Radiologic Technologist Educator**" November 2002, AuntMinnie.com

"New Techniques Reduce OPEN MRI Scan Times", *Diagnostic Imaging*, OPEN MRI Supplement, October, 2001

"Rad Tech's Guide to MRI: Basic Physics, Instrumentation and Quality Control." Published by Blackwell Science July, 2001

"MRI Technology Overview", *Radiology Management*, July/August 2001, volume 23, number 4.

"Handbook of MRI Technique", Contributing author. Published by Blackwell Science.

"Open MRI", contributing author "Protocol Development Strategy for Open Magnetic Resonance Imaging". Edited by peter A. Rothschild and Debra Reinking Rothschild. Published by Lippincott Williams & Wilkins, Philadelphia 2000.

"Goal-oriented Protocols Optimize OPEN Scanning". October 1998 OPEN MRI Supplement to Diagnostic Imaging. Published by Miller Freeman, Inc.

Internet based home study programs for technologists ([www.t2star.com](http://www.t2star.com))

"MRI for Technologists", contributing author. Published by McGraw-Hill, released November, 1994

"Review Questions for MRI", co-author. Published by Blackwell Scientific Publishers, released November, 1994.

"Inversion in the Steady-State: Contrast Optimization with Reduction in Image Acquisition Time in Fast 3D Inversion Recovery-Prepared Gradient-Echo Pulse Sequences." Paper presented at RSNA, December, 1992  
*Radiology* 1992; 185(P): 158  
*Radiology* 1994; 191:85-90

"Team Effort Necessary to Deliver Quality Service". Article published in Fall issue of MR 1991.

"MRI of the Brain: Optimization of the Fast-Spin Echo Technique". Protocols in MRI: Current Topics for MRI Technologists. Clinical Communications, Volume 1, Issue 10, January 1996.

“Magnetic Resonance Imaging of the Lumbar Spine, Part I: Fast Spin Echo (RARE) Options for Sagittal Acquisitions” . *International Journal of Neuroradiology*, Vol 2, No. 3, 235-241

### **Research and Clinical Evaluations**

Responsible for directing on-site clinical evaluations of new MR hardware/software for:

General Electric Medical Systems  
MedRad  
MRI Devices  
USA Instruments

Setup and coordinated meeting of Diagnostic Imaging and ImageAmerica Institutional Review Board.

Prepared IRB Protocols for clinical evaluation activity.

Assisted in development of imaging techniques utilizing dual surface coils and multi-planar gradient echo imaging techniques

### **Teaching and Consulting**

Developed and implemented customer education program for Aspect Imaging Wrist II MRI system, January 2015

Invited speaker for International Society of Magnetic Resonance in Medicine Safety Workshop, Washington DC. September 2014

RSNA 2013 Faculty, MRI Safety Update

Invited speaker for International Society of Magnetic Resonance in Medicine Safety Workshop, Lund Sweden. September 2012

Metrasens: On-site MR safety audit and staff training (Level 1 and Level 2)

Medtronic:

Developed and produced accredited videos for customer education regarding MR scanning of patients with MR conditional pacemaker 2011 - Present

Assistance with FDA submission of Revo MR conditional pacemaker 2010 - 2011

Training Seminars December 2006 and February 2007

Instructor for Basic and Advanced MRI courses, Philips Medical Systems 2003 – March 2007.

Faculty for Conferences / Seminars (Previous and/or Current):

RSNA 2013

Siemens Medical Systems Innovations for Imaging

Medical Technology Management Institute (IAME)

Northwest Imaging Forums

ISMRM / SMRT

Clinical Magnetic Resonance Society (CMRS)

Educational Symposia (ESI)

Institute for Advanced Medical Education (IAME)

Imaging Education Associates, LLC

Developed, implemented and instructed Basic MRI / Registry Review course held initially at Erlanger Medical Center, Chattanooga, TN then Chattanooga Imaging, Chattanooga, TN. 1996 - Present

Advanced Applications, ONI, Inc., 1998 – Present.

Assist in top-level design specifications

Assist in pulse sequence design and optimization

Assist in development of on-site applications program

Applications Support, MRI Devices, September 1997 - 2005

Instructor: GE Signa Profile Customer Training Course, Milwaukee, WI, January 2000 – July 2001

Adjunct faculty: Chattanooga State Technical Community College, Instructor for MRI basic and advanced courses.

Application consultant for GE Medical Systems

Contract Consultant in MRI site operations (technical and managerial).

Contract faculty member: Medical Technology Management Institute (MTMI), Milwaukee, WI. Presenting one and two-day MRI programs

Established and managed the Magnetic Resonance Learning Center while employed at Diagnostic Imaging. Functioned as Course Director and Instructor.

June, 1989, appointed to GE Medical System's MR Technologists Advisory Board.

February, 1988, appointed member of GE Medical System's MR Task Force on Technologist Education.

## **Video Productions**

MR Safety Videos for SMRT Membership November 2014

MR Registry Review Video Series for Bracco Diagnostics, beginning December 2012

Scanning Patients with MR Conditional Pacemaker: Multiple videos produced for Medtronic beginning 2012

Basics of MRI and MR Safety: Video series produced for Medtronic 2011 - 2012

Society of Nuclear Medicine: Series of Basic MRI Videos for SNMT members  
GE TiPs MR Education videos recorded at RSNA 2007 - 2013

MR and CT courseware for Imaging Education Associates, Dec 2006

MR and CT educational videos for Philips Medical System, January 2005 to present

MR Coils, Fast Imaging Techniques, GE TIPS TV produced at the 2006 RSNA

Basic Principles of MRI, GE TIPS TV produced at the 2005 RSNA

Diffusion/Perfusion MRI, GE TIPS TV produced at the 2004 RSNA

June, 1999: MR Angiography, Flow Phenomenology, GE TiPs TV

October, 1994: MTMI Multi-tape series on MR Registry Review

June, 1992: MTMI Multi-tape series on Advanced MRI Topics

April, 1991: GE Medical Systems Teleconference on basic MR Physics

## Professional Experience

*September, 1998 to Present*

### **MRI Education and Operations Consultant**

**William Faulkner & Associates, L.L.C.**

Chattanooga, TN

*April, 1995 to September, 1998*

### **Medaphis Physician Services Corporation - Plaza Radiology Services**

Chattanooga, TN

**Director of Education and Support Services:** Responsible for the development, implementation, and administration of MR education mini-fellowships and workshops. Developed marketing plan and materials relating to education programs. Develop and present inservice programs for MRI technologists, radiologists, and ancillary personnel. Direct hardware and/or software clinical evaluations. Responsible for the daily operations of the MRI Center and protocol development strategies. Served as Chairman of Safety Committee. Supervise the Director of Marketing for Plaza Radiology Services in program strategy development and implementation.

Responsible for researching and recommending vendors and equipment for new equipment purchases and upgrades for all imaging modalities. Assisted in planning and development of free-standing, multi-modality imaging center. Responsible for service contract negotiations. Review CPT coding for all modalities. Performed imaging center "site reviews" for other Medaphis clients to assess technical and administrative operations. Managed MRI Services from December 1996 to present. Responsible for startup of mobile OPEN MRI services at remote outpatient imaging facility.

*April, 1992 to April 1995*

### **ImageAmerica**

Brentwood, TN

**Clinical Operations Manager:** Provide Clinical Operations support for 17 imaging centers located throughout the United States. Negotiated and implemented national contracts for film processing chemistry and clinical supplies. Developed and implemented company-wide technologists continuing education program. Developed and presented ASRT accredited MRI inservices and education programs. Responsible for overseeing and assisting sites in application for JCAHO accreditation. Responsible for overseeing the development of ADA compliant job descriptions on a company-wide basis. Responsible for overseeing ACR / FDA mammography accreditation for all centers. Assess condition and capabilities of clinical equipment. Make recommendations for equipment purchase, replacement, and upgrade.

*June, 1985 to April, 1992*

## **Diagnostic Imaging**

Chattanooga, TN

**Technical Director:** Oversaw startup and directed operations of multi-modality imaging center which included the first non-mobile MRI system in the Chattanooga area. Responsible for interviewing and hiring both technical and clerical staff. Performed employee performance evaluations. Responsible for day to day operations of center. Performed MRI, ultrasound, and radiographic studies as needed. Responsible for the education of MRI technologists. Made recommendations for equipment replacement and upgrades.

1977 - 1985

## **Parkridge Hospital**

Chattanooga, TN

**Assistant Chief, Radiology:** Supervised operation of CT, cardiac, vascular, and general diagnostic ultrasonography, nuclear medicine, angiography, radiographic assisted surgical procedures. Performed CT, general ultrasonography, nuclear medicine, angiographic, surgical radiographic procedures as needed. Performed employee performance evaluations, job interviews, and hiring for staff positions.

1976 - 1977

## **Parkridge Hospital**

Chattanooga, TN

**Special Procedures Technologist**

1975 - 1976

## **Memorial Hospital**

Chattanooga, TN

**Special Procedures Technologist**