



**Integrated Science Support, Inc**

14450 N. 169 Hwy, Suite O  
Smithville, MO 64089  
(816) 390-9011

ACR Accreditation Program Requirements for  
Medical Physicists  
**Stephen E. Hale Jr., Ph.D.**

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ABR Board Certificate in Diagnostic Medical Physics

ABR Board Certificate in Nuclear Medical Physics

Continuing Experience in CT

Continuing Experience in MR

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Continuing Education

ABR Maintenance of Certification

**Distributed September 2025**

# The American Board of Radiology

*Organized through the cooperation of the  
American College of Radiology, the American Roentgen Ray Society,  
the American Radium Society, the Radiological Society of North America,  
the Section on Radiology of the American Medical Association,  
the American Society for Radiation Oncology, the Association of University Radiologists,  
the American Association of Physicists in Medicine, and the Society of Interventional Radiology,  
the American Board of Radiology hereby certifies that*

**Stephen Earl Hale Jr., PhD**

*Has pursued an accepted course of graduate study and clinical work; has met certain standards  
and qualifications, including passing the examinations conducted under the authority of  
the American Board of Radiology, demonstrating to the satisfaction of the Board qualification  
to practice; and is therefore awarded the Board's certification in*

**Diagnostic Medical Physics**

**RSO Eligible**



*Ongoing validity of this certificate is contingent upon  
meeting the requirements of Maintenance of Certification.*

*This diplomate of the American Board of Radiology  
is permitted to use the **DABR** mark to signify this certification.*

*James P. Boyette, M.D.*  
President

*[Signature]*  
Secretary-Treasurer

*[Signature]*  
Executive Director

**DABR**



Certificate No. #6751

Effective: May 21, 2014

# The American Board of Radiology

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American College of Radiology, the American Roentgen Ray Society,  
the American Radium Society, the Radiological Society of North America,  
the Section on Radiology of the American Medical Association,  
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**Stephen Earl Hale Jr., PhD**

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and qualifications, including passing the examinations conducted under the authority of  
the American Board of Radiology, demonstrating to the satisfaction of the Board qualification  
to practice; and is therefore awarded the Board's certification in*

## Nuclear Medical Physics

**RSO Eligible**



**Certificate No. #6751**

*Ongoing validity of this certificate is contingent upon  
meeting the requirements of Maintenance of Certification.*

*This diplomate of the American Board of Radiology  
is permitted to use the **DABR** mark to signify this certification.*

*Lise Kachau*  
President

*[Signature]*  
Secretary-Treasurer

*Valerie B. Johnson*  
Executive Director

**DABR**



**Effective: May 24, 2017**



**Integrated Science Support, Inc.**

14450 N 169 Hwy, Ste O  
Smithville, MO 64089

The following is a true representation of the Continuing CT System Evaluation Experience for the indicated Physicist.

9/29/2025

**Stephen E. Hale, Ph.D., DABR**  
**President**

**Date**

**Continuing Experience Summary for Stephen E. Hale, Ph.D.**

Facility State	Manufacturer	System Model	Date Performed
IA	Toshiba	Aquilion Prime SP	11/20/2023
IA	Philips	Ingenia BB CT 64	3/18/2024
IA	Canon	Aquilion Prime SP	6/24/2024
IA	GE	Optima	9/16/2024
IA	GE	Discovery	12/17/2024
IA	Philips	Ingenia BB CT 64	12/17/2024
IA	Siemens	Somatom X.Cite	1/10/2025
IA	Canon	Aquilion Prime SP	6/2/2025
KS	GE	Optima 32	10/20/2023
KS	Hitachi	Scenaria View 64/128	12/7/2023
KS	GE	64 Slice CTVOL	12/21/2023
KS	GE	Revolution	1/3/2024
KS	GE	Revolution EVO	2/13/2024
KS	Siemens	Somatom Definition AS	3/4/2024
KS	Toshiba	Aquilion Lightning	3/14/2024
KS	GE	Optima	3/25/2024
KS	Canon	Aquilion 64	4/5/2024
KS	Philips		4/12/2024
KS	Canon	Lightning Aquilion	4/26/2024
KS	GE	Revolution EVO	7/1/2024
KS	Siemens	Somatom Go All	8/12/2024
KS	GE	Optima	8/14/2024

Facility State	Manufacturer	System Model	Date Performed
KS	Siemens	Biograph mCT	8/19/2024
KS	Siemens	Symbia Intevo Excel	8/20/2024
KS	Canon	Aquilion Prime SP	8/20/2024
KS	GE	Optima 32	10/10/2024
KS	Siemens	go.All	12/5/2024
KS	Hitachi	Scenaria View 64/128	12/9/2024
KS	Siemens	Pro.specta	12/10/2024
KS	GE	64 Slice CTVOL	12/12/2024
KS	Toshiba	Aquilion Prime	2/24/2025
KS	Siemens	Symbia Intevo Excel	2/24/2025
KS	GE	Revolution EVO	4/8/2025
KS	Siemens	Somatom Sensation	4/9/2025
KS	GE	Revolution EVO	7/3/2025
KS	Siemens	Somatom Go All	8/13/2025
KS	Siemens	Somatom Definition AS	8/15/2025
KS	Siemens	Symbia Intevo Excel	8/27/2025
KS	Siemens	Biograph mCT	8/27/2025
MO	GE	LightSpeed VCT	10/11/2023
MO	GE	Optima	10/11/2023
MO	Siemens	Somatom Definition AS	10/13/2023
MO	Philips	Brilliance 16	11/14/2023
MO	Siemens	INTEVO EXCEL SPECT/CT	12/5/2023
MO	Philips	Brilliance 64	12/22/2023
MO	Philips	Ingenuity	12/22/2023
MO	Siemens	Somatom Definition AS	1/18/2024
MO	GE	Optima	2/16/2024
MO	GE	Light Speed VCT	2/20/2024
MO	Siemens	Intevo	2/20/2024
MO	Siemens	Biograph Vision	2/21/2024
MO	Toshiba	Aquilion Prime	3/12/2024
MO	GE	Lightspeed VCT	3/21/2024
MO	GE	Brightspeed 16	3/26/2024
MO	Canon	Aquilion Lightning	3/28/2024
MO	Neurologica	Ceretom	5/9/2024

Facility State	Manufacturer	System Model	Date Performed
MO	GE	Revolution EVO	5/28/2024
MO	Siemens	Biograph Vision	5/30/2024
MO	Siemens	Somatom Perspective	6/4/2024
MO	Philips	Incisive	6/25/2024
MO	GE	Revolution Ascend	7/3/2024
MO	Siemens	Symbia Intevo Excel	7/8/2024
MO	GE	Revolution EVO	7/15/2024
MO	GE	Omni	7/19/2024
MO	Siemens	SOMATOM go.UP	8/7/2024
MO	Siemens	Biograph MCT	8/22/2024
MO	Siemens	Symbia Intevo 16	8/27/2024
MO	GE	Revolution ES	9/25/2024
MO	GE	Revolution ES	9/25/2024
MO	GE	Bright Speed 16	9/27/2024
MO	GE	Revolution	9/27/2024
MO	GE	Optima	9/30/2024
MO	Siemens	Somatom Definition AS	10/24/2024
MO	GE	Optima	10/29/2024
MO	Siemens	Pro.specta	11/7/2024
MO	Mobius	Airo	11/22/2024
MO	Siemens	Biograph Vision	1/9/2025
MO	Siemens	Somatom Definition AS	1/28/2025
MO	Siemens	Somatom Edge.Plus	1/28/2025
MO	Canon	Lightning Aquilion	2/3/2025
MO	GE	Optima	2/14/2025
MO	GE	Brightspeed 16	2/17/2025
MO	Siemens	Intevo	2/26/2025
MO	GE	Light Speed VCT	2/26/2025
MO	Toshiba	Aquilion Prime	3/12/2025
MO	Canon	Aquilion Lightning	3/17/2025
MO	Spectrum Dyna	Veriton-CT	4/23/2025
MO	GE	LightSpeed VCT	4/24/2025
MO	GE	Revolution Ascend	4/30/2025
MO	Siemens	Somatom Perspective	5/28/2025

Facility State	Manufacturer	System Model	Date Performed
MO	GE	Revolution	5/30/2025
MO	Neurologica	Ceretom	5/30/2025
MO	Siemens	Somatom Perspective	6/17/2025
MO	GE	LightSpeed VCT	6/19/2025
MO	Siemens	Symbia Intevo Excel	7/14/2025
MO	Philips	Brilliance 16	7/16/2025
MO	GE	Revolution Ascend	7/16/2025
MO	GE	Omni	7/25/2025
MO	Siemens	SOMATOM go.UP	8/14/2025
MO	Siemens	Biograph MCT	8/18/2025
MO	Siemens	Symbia Intevo 16	8/19/2025
MO	GE	Optima	9/17/2025
MO	GE	Revolution ES	9/25/2025
MO	GE	Revolution ES	9/25/2025
NE	GE	Discovery	1/31/2025
WI	UMI	550	12/11/2023
WI	UMI	UMI550	1/31/2024
WI	GE	Revolution Evo	4/10/2024
WI	United Medical	uMI550	8/5/2024
WI	UMI	550	10/23/2024
WI	UMI	550	2/4/2025
WI	Siemens	Perspective	7/18/2025
WI	United Medical	uMI550	8/25/2025



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The following is a true representation of the Continuing MRI System Evaluation Experience for the indicated Physicist.

9/29/2025

**Stephen E. Hale, Ph.D., DABR**  
**President**

**Date**

**Continuing Experience Summary for Stephen E. Hale, Ph.D.**

Facility State	Manufacturer	System Model	Date Performed
IA	Siemens	Aera	11/20/2023
IA	Siemens	Magnetom Symphony 1.5T	9/16/2024
KS	Hitachi	0.35 T	10/20/2023
KS	GE	Optima MR450w 1.5T	2/13/2024
KS	Siemens	Espreo 1.5T	4/16/2024
KS	GE	Excite 1.5T	5/13/2024
KS	Siemens	Symphony 1.5T	8/12/2024
KS	GE	Discovery	8/13/2024
KS	GE	Optima MR450w	8/19/2024
KS	General Electric	450W Wide Bore	9/3/2024
KS	Siemens	Magnetom Aera	9/4/2024
KS	Hitachi	0.35 T	10/10/2024
KS	Philips	Achieva	12/6/2024
KS	Hitachi	Oasis 1.2T	12/6/2024
KS	Siemens	Magnetom Sola	12/10/2024
KS	GE	Excite 1.5T	5/8/2025
KS	Siemens	Symphony 1.5T	9/5/2025
MO	Siemens	Altea	10/12/2023
MO	GE	Optima MR450w 1.5T	1/6/2024
MO	GE	Discovery MR750 3T	1/6/2024
MO	Siemens	Avanto 1.5T	1/12/2024
MO	Siemens	Magnetom Skyra	2/2/2024

Facility State	Manufacturer	System Model	Date Performed
MO	Hitachi	Echelon 1.5T	2/7/2024
MO	Philips		4/9/2024
MO	Siemens	Magnetom Altea	4/29/2024
MO	GE	450W Widebore	5/31/2024
MO	Siemens	Essenza 1.5 T	6/4/2024
MO	Siemens	Espreo	8/22/2024
MO	General Electric	MR450W Wide Bore	9/10/2024
MO	Philips	Ambition	9/10/2024
MO	Siemens	Aera 1.5T	9/19/2024
MO	GE	Unknown	9/30/2024
MO	Siemens	Magnetom Altea	1/13/2025
MO	Siemens	Magnetom Skyra	1/13/2025
MO	Siemens	Magnetom Aera	2/20/2025
MO	Hitachi	Echelon 1.5T	2/21/2025
MO	GE	Horizon 1.5 LX	3/7/2025
MO	GE	Signa Ovation .35T	3/7/2025
MO	GE	Signa 1.5T HD	5/17/2025
MO	Hitachi	Oasis 1.2T	5/17/2025
MO	Siemens	Magnetom Aera	5/27/2025
MO	Siemens	Magnetom Altea	6/17/2025
MO	GE	Optima MR450w 1.5T	6/19/2025
MO	Siemens	Magnetom Altea	7/10/2025
MO	Siemens	Espreo	8/18/2025
MO	Siemens	Aera 1.5T	9/8/2025
MO	GE	Unknown	9/17/2025
WI	GE	Signa Excite 1.5T	11/16/2023
WI	GE	Signa Voyager	12/1/2023
WI	GE	Voyager	3/15/2024
WI	GE	Voyager 1.5T	5/21/2024
WI	GE	Voyager 1.5T	4/21/2025
WI	GE	Voyager 1.5T	4/21/2025
WI	GE	Signa Excite 1.5T	5/16/2025
WI	GE	Signa 1.5T	5/16/2025



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The following is a true representation of the Continuing Nuclear Medicine Camera Evaluation Experience for the indicated Physicist.

9/29/2025

**Stephen E. Hale, Ph.D., DABR**  
**President**

**Date**

**Continuing Experience Summary for Stephen E. Hale, Ph.D.**

Facility State	Manufacturer	System Model	Date Performed
IA	GE	Hawkeye	5/22/2024
IA	Spectrum Dyna	DSPECT	5/22/2024
IA	GE	Hawkeye	5/22/2024
IA	Siemens	c-Cam	8/29/2024
IA	Siemens	Symbia EVO	8/29/2024
IA	GE	Hawkeye	5/29/2025
IA	GE	Hawkeye	5/29/2025
IA	Spectrum Dyna	DSPECT	5/29/2025
IA	Siemens	c-Cam	8/21/2025
IA	Siemens	Symbia EVO	8/21/2025
KS	NA	NA	10/6/2023
KS	SMV / GE	DST-Xli	10/6/2023
KS	GE	Ventri	11/13/2023
KS	Siemens	Symbia	11/30/2023
KS	NA	NA	12/13/2023
KS	Siemens	Biograph	3/14/2024
KS	Siemens	Symbia	5/2/2024
KS	NA	NA	5/2/2024
KS	GE	Millinium MG 2002	5/7/2024
KS	Siemens	Symbia Evo	5/24/2024
KS	GE	NM 830	7/11/2024
KS	Philips	CardioMD	7/25/2024

Facility State	Manufacturer	System Model	Date Performed
KS	NA	NA	8/12/2024
KS	Siemens	Biograph mCT	8/19/2024
KS	Siemens	Symbia Intevo Excel	8/20/2024
KS	SMV / GE	DST-Xli	10/30/2024
KS	NA	NA	10/30/2024
KS	GE	Ventri	11/19/2024
KS	Siemens	Symbia	11/19/2024
KS	Siemens	Pro.specta	12/10/2024
KS	Dose Calibrator	Constancy Sheets	1/13/2025
KS	NA	NA	2/13/2025
KS	Siemens	Symbia Intevo Excel	2/24/2025
KS	Siemens	Symbia	6/3/2025
KS	NA	NA	6/3/2025
KS	NA	NA	8/13/2025
KS	Siemens	Symbia Intevo Excel	8/27/2025
KS	Siemens	Biograph mCT	8/27/2025
KS	GE	Optima	9/12/2025
MO	Spectrum Dyna	DSPECT	10/4/2023
MO	General Electric	Infinia - 2 head	11/29/2023
MO	General Electric	Single Head	11/29/2023
MO	GE	Millenium MG	12/14/2023
MO	Siemens	Intevo	2/20/2024
MO	Siemens	Biograph Vision	2/21/2024
MO	Air Clearance	Time Calculation	3/25/2024
MO	Philips	Skylight	4/30/2024
MO	Siemens	Intevo Excel	4/30/2024
MO	GE	Hawkeye 4	5/3/2024
MO	GE	Discovery 530c	6/28/2024
MO	Siemens	Symbia Intevo Excel	7/8/2024
MO	GE	Omni	7/19/2024
MO	GE	NM 830	7/29/2024
MO	Siemens	Biograph MCT	8/22/2024
MO	Siemens	Symbia Intevo 16	8/27/2024
MO	Siemens	Symbia EVO	8/27/2024

Facility State	Manufacturer	System Model	Date Performed
MO	Siemens	Evo	9/13/2024
MO	Siemens	Evo	9/13/2024
MO	Spectrum Dyna	DSPECT	10/3/2024
MO	Siemens	SYMBIA Pro.specto	10/29/2024
MO	GE	Millenium MG	12/3/2024
MO	Siemens	Intevo	2/26/2025
MO	Siemens	Evo	3/19/2025
MO	Siemens	Evo	3/19/2025
MO	Siemens	Biograph Vision	4/17/2025
MO	Spectrum Dyna	Veriton-CT	4/17/2025
MO	Siemens	Pro.specta	4/24/2025
MO	Philips	Skylight	4/29/2025
MO	Siemens	Intevo Excel	4/29/2025
MO	Siemens	eCam	5/19/2025
MO	GE	Discovery 530c	6/25/2025
MO	Air Clearance	Time Calculation	6/27/2025
MO	Siemens	Symbia Intevo Excel	7/14/2025
MO	GE	Omni	7/25/2025
MO	Siemens	Biograph MCT	8/18/2025
MO	Siemens	Symbia Intevo 16	8/19/2025
MO	Siemens	Evo	9/19/2025
MO	Siemens	Evo	9/19/2025
NE	Siemens	e-Cam	1/30/2024
NE	General Electric	Hawkeye	1/30/2024
NE	General Electric	Infinia	1/30/2024
NE	Siemens	e-Cam	7/23/2024
NE	Siemens	e-Cam	7/23/2024
NE	Siemens	C-Cam	7/24/2024
NE	General Electric	Hawkeye	1/16/2025
NE	General Electric	Infinia	1/16/2025
NE	Siemens	e-Cam	1/16/2025
NE	GE	Omni Legend	1/31/2025
NE	Philips	Vereos	2/10/2025
NE	Siemens	e-Cam	7/31/2025

Facility State	Manufacturer	System Model	Date Performed
NE	Siemens	e-Cam	7/31/2025
WI	UMI	550	8/5/2024
WI	UMI	550	10/23/2024
WI	UMI	550	4/14/2025

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**CAMPEP**  
**Commission on Accreditation of Medical Physics Education Programs, Inc.**  
**Certificate of Medical Physics Continuing Education Credits**  
**----Transcript----**

**Stephen Hale Jr.**  
 14450 N. 169 Hwy  
 Suite O  
 Smithville, MO 64089  
 US

Participated in the following CAMPEP accredited educational program(s) and is awarded Medical Physics Continuing Education Credits (MPCECs) as designated

<u>Program Title</u>	<u>Date Credits Earned</u>	<u>Category./ SubCategory.</u>	<u>EA Title</u>	<u>Credits</u>
2023 AAPM Online Learning Center	02/16/2023	Nuclear Medicine: None	1625-N Image Fusion in Nuclear Medicine - PETCT	1
2023 AAPM Online Learning Center	02/16/2023	Nuclear Medicine: None	1661-N Image Reconstruction and Image Fusion PETCT	1
2023 AAPM Online Learning Center	02/04/2023	Nuclear Medicine: Radiation Protection	1668-N PET and PETCT shielding requirements	1
2023 AAPM Online Learning Center	01/17/2023	Diagnostic Radiology: Mammography	1802-N Acquisition Parameter Selection in Digital Mammography	1
2023 AAPM Online Learning Center	01/12/2023	Diagnostic Radiology: Mammography	1898-N Breast Cancer Screening and Digital Mammography	1
2023 AAPM Online Learning Center	02/07/2023	Diagnostic Radiology: Ultrasound	1929-N Evolution of ultrasound physics and the role of medical physicists	1
2023 AAPM Online Learning Center	02/14/2023	Diagnostic Radiology: Digital Radiography	2005-N TG 116	1
2023 AAPM Online Learning Center	02/14/2023	Diagnostic Radiology: Dosimetry	2052-N Dose estimation and measurement in interventional fluoroscopy	1
2023 AAPM Online Learning Center	02/06/2023	Diagnostic Radiology: Cardiovascular	2089-N FluoroscopyInterventional: Equipment Specification Siting	1
2023 AAPM Online Learning Center	02/04/2023	Nuclear Medicine: None	2171-N Characterization of the count rate performance of modern gamma cameras	1
2023 AAPM Online Learning Center	01/12/2023	Diagnostic Radiology: Computed Tomography	2474-N CT Quality Control	1
2023 AAPM Online Learning Center	02/03/2023	Diagnostic Radiology: Magnetic Resonance	2480-N Basis for a MRI Safety Program	1

2023 AAPM Online Learning Center	02/07/2023	Diagnostic Radiology: Computed Tomography	2601-N CT Protocol Review - Validation and Verification 2017	1
2023 AAPM Online Learning Center	02/07/2023	Diagnostic Radiology: Computed Tomography	2746-N Sneak Peek of the Reading Room: What Radiologists Look for in CT Exams	1
2023 AAPM Online Learning Center	02/07/2023	Diagnostic Radiology: Ultrasound	2795-N Performance Evaluation of Ultrasound Systems: Advanced Methods and Applications	1
2023 AAPM Online Learning Center	02/09/2023	Diagnostic Radiology: Computed Tomography	2927-N The future of CT testing TG 200 update, 2019	1
2023 AAPM Online Learning Center	02/09/2023	Diagnostic Radiology: Computed Tomography	2931-N The Future of CT Testing TG 233 update 2019	1
2023 AAPM Online Learning Center	02/02/2023	Diagnostic Radiology: Radiation Protection	2932-N Shielding Report Surveys	1
2023 AAPM Online Learning Center	02/01/2023	Nuclear Medicine: None	2937-N Gamma Camera and SPECT Basics Performance	1
2023 AAPM Online Learning Center	02/14/2023	Diagnostic Radiology: Digital Radiography	2947-N Ongoing quality control in digital radiography: Report of AAPM Imaging Physics Committee Task Group 151	1
2023 AAPM Online Learning Center	01/20/2023	Diagnostic Radiology: Computed Tomography	2954-N Overview of CT Accreditation Programs and Requirements: A Physicists Perspective	1
2023 AAPM Online Learning Center	02/09/2023	Diagnostic Radiology: Magnetic Resonance	2955-N MRI Pulse Sequence: Spin Echo, Gradient Echo	1
2023 AAPM Online Learning Center	02/16/2023	Diagnostic Radiology: None	2996-N Practical application of AAPM Report 270 in display quality assurance	1
2023 AAPM Online Learning Center	01/20/2023	Diagnostic Radiology: Computed Tomography	3087-N The Inspector39s Viewpoint on Conventional	1
2023 AAPM Online Learning Center	01/17/2023	Diagnostic Radiology: Computed Tomography	3088-N The Inspectors Viewpoint on Cone Beam CT	1
2023 AAPM Online Learning Center	02/09/2023	Diagnostic Radiology: Cardiovascular	3091-N Medical Physicists Role in IAC Carotid Stenting Accreditation	1
2023 AAPM Online Learning Center	02/01/2023	Diagnostic Radiology: Dosimetry	3092-N Good, Bad and Ugly of Patient Exposure and Dose Tracking in CT	1
2023 AAPM Online Learning Center	02/14/2023	Diagnostic Radiology: Quality Management	3093-N Identifying Image Artifacts, Their Causes, and How to Fix Them	1

2023 AAPM Online Learning Center	01/31/2023	Diagnostic Radiology: Cardiovascular	3094-N Acceptance and Acceptability Testing of Modern Fluoroscopy Equipment	1
2023 AAPM Online Learning Center	01/13/2023	Diagnostic Radiology: Magnetic Resonance	3099-N MRI Physics I	1
2023 AAPM Online Learning Center	01/17/2023	Diagnostic Radiology: Magnetic Resonance	3100-N MRI Physics II	1
2023 AAPM Online Learning Center	02/03/2023	Diagnostic Radiology: Radiation Protection	4248-N Radiation Safety Surveys in Diagnostic Imaging	1
2023 AAPM Online Learning Center	02/04/2023	Diagnostic Radiology: Digital Radiography	4259-N Accuracy of HVL measurements utilizing solid state detectors for radiography and fluoroscopy X-ray systems	1
2023 AAPM Online Learning Center	01/13/2023	Diagnostic Radiology: Computed Tomography	4324-N Current Issues in CT Imaging	1
2023 AAPM Online Learning Center	02/06/2023	Diagnostic Radiology: None	4414-N TG175: Acceptance testing and Quality Control of Dental Imaging Equipment	1
2023 AAPM Online Learning Center	01/12/2023	Diagnostic Radiology: Mammography	4417-N From Detection to Prediction: Imaging Markers of Breast Cancer Risk	1
2023 AAPM Online Learning Center	02/16/2023	Diagnostic Radiology: Radiography	4420-N Definition and Validation of Exposure Indices	1
2023 AAPM Online Learning Center	02/07/2023	Diagnostic Radiology: Ultrasound	4435-N Accreditation of Breast and General Ultrasound	1
2024 AAPM Online Learning Center	01/16/2024	Diagnostic Radiology: Mammography	1632-N Manufacturers Quality Control Output Templates	1
2024 AAPM Online Learning Center	03/06/2024	Diagnostic Radiology: Mammography	1970-N Advances in Breast Imaging	1
2024 AAPM Online Learning Center	03/06/2024	Diagnostic Radiology: Mammography	2121-N Calcification Detection in Digital Mammography	1
2024 AAPM Online Learning Center	03/06/2024	Diagnostic Radiology: Mammography	2209-N Accreditation of Stereotactic Breast Biopsy and Breast Ultrasound Systems	1
2024 AAPM Online Learning Center	01/21/2024	Diagnostic Radiology: Mammography	2263-N ACR Accreditation of Stereotactic Breast Biopsy Systems and of Breast Ultrasound Systems 2015	1
2024 AAPM Online Learning Center	01/16/2024	Diagnostic Radiology: Mammography	2484-N Mammography 1 Contrast Enhanced Spectral Mammography	1
2024 AAPM Online Learning Center	01/19/2024	Diagnostic Radiology: Mammography	4164-N Unique Features of the Siemens Inspiration Digital Breast Tomosynthesis System	1

2024 AAPM Online Learning Center	01/19/2024	Diagnostic Radiology: Mammography	4256-N Digital Breast Tomosynthesis Physics: Basics to Advanced	1
2024 AAPM Online Learning Center	01/21/2024	Diagnostic Radiology: Mammography	4260-N Changing Perceptions and Updated Methods for Mammography	1
2024 AAPM Online Learning Center	01/15/2024	Diagnostic Radiology: Mammography	4326-N Updates on the New ACR FFDM Manual	1
2024 AAPM Online Learning Center	01/19/2024	Diagnostic Radiology: Mammography	4535-N Design and initial evaluation of a novel physical breast phantom to monitor image quality in digital breast tomosynthesis	1
2024 AAPM Online Learning Center	10/25/2024	Diagnostic Radiology: PET	N-4564 Basics of PET Physics and Instrumentation	1
2024 AAPM Online Learning Center	10/25/2024	Diagnostic Radiology: PET	N-4572 Emerging and New Generation PET Technology	1
2024 AAPM Online Learning Center	01/15/2024	Diagnostic Radiology: Mammography	N-4575 Evaluating the Performance of Stereotactic Breast Imaging Biopsy Systems	1
2024 AAPM Online Learning Center	10/03/2024	Diagnostic Radiology: Magnetic Resonance	N-4587 An Introduction to MRI Physics	1
2024 AAPM Online Learning Center	10/03/2024	Diagnostic Radiology: Mammography	N-4784 Contrast-Enhanced Breast Imaging	1
2024 AAPM Online Learning Center	09/24/2024	Diagnostic Radiology: Mammography	N-4805 Artifacts in 2D and 3D Breast Imaging	1
2024 AAPM Online Learning Center	09/24/2024	Diagnostic Radiology: Mammography	N-4819 Breast Imaging: In the Clinic	1
2025 AAPM Online Learning Center	02/06/2025	Diagnostic Radiology: Magnetic Resonance	ACR Manual on MR Safety 2024	1
2025 AAPM Online Learning Center	02/05/2025	Diagnostic Radiology: None	CT and MRI in clinical trials 2017	1
2025 AAPM Online Learning Center	03/05/2025	Diagnostic Radiology: Computed Tomography	CT Clinical Practice: Compliance with AAPM, ACR, and TJC Guidelines 2017	1
2025 AAPM Online Learning Center	03/03/2025	Diagnostic Radiology: Computed Tomography	Developing a Pediatric Patient Specific Dose Protocol for Any CT Scanner or Exam 2016	1
2025 AAPM Online Learning Center	02/05/2025	Diagnostic Radiology: Computed Tomography	Dual- and Multi-Energy CT: Principles, Technical Approaches, and Clinical Applications 2015	1
Magnetic Resonance Safety Expert (MRSE)	09/13/2025	Diagnostic Radiology: Magnetic Resonance	Day 1 - Q & A for Afternoon Lectures with Faculty	0.25

Training				
Magnetic Resonance Safety Expert (MRSE) Training	09/13/2025	Diagnostic Radiology: Magnetic Resonance	Day 1 - Q & A for Morning Lectures with Faculty	0.25
Magnetic Resonance Safety Expert (MRSE) Training	09/14/2025	Diagnostic Radiology: Magnetic Resonance	Day 2 - Q & A with Faculty	0.25
Magnetic Resonance Safety Expert (MRSE) Training	09/13/2025	Diagnostic Radiology: Magnetic Resonance	Implants, Devices, Objects, and Interpreting IFU's	0.75
Magnetic Resonance Safety Expert (MRSE) Training	09/14/2025	Diagnostic Radiology: Magnetic Resonance	MRI Pulse Sequences - Part 1 (Gradient Echo, Inversion Recovery, MR Angiography, Spin Echo and Echo Planar Imaging)	0.75
Magnetic Resonance Safety Expert (MRSE) Training	09/14/2025	Diagnostic Radiology: Magnetic Resonance	MRI Pulse Sequences - Part 2 (Acceleration Techniques, Fat Suppression, Diffusion, and Perfusion)	0.75
Magnetic Resonance Safety Expert (MRSE) Training	09/14/2025	Diagnostic Radiology: Magnetic Resonance	MRI Pulse Sequences - Part 3 (UTE, XTE, Susceptibility, MR Elastography, and BOLD and fMRI)	0.75
Magnetic Resonance Safety Expert (MRSE) Training	09/14/2025	Diagnostic Radiology: Magnetic Resonance	MRI Safety - Considerations for Administrative and Procedural Controls	1
Magnetic Resonance Safety Expert (MRSE) Training	09/14/2025	Diagnostic Radiology: Magnetic Resonance	MRI Safety - Considerations for Engineering Controls	0.75
Magnetic Resonance Safety Expert (MRSE) Training	09/14/2025	Diagnostic Radiology: Magnetic Resonance	MRI Safety - Special Considerations (Emergencies in MR, Remote Scanning, Cryogen Safety, Hybrid Modalities, and Accreditation & Regulatory Considerations)	1
Magnetic Resonance Safety Expert (MRSE) Training	09/13/2025	Diagnostic Radiology: Magnetic Resonance	MRI Safety - Special Considerations (Gadolinium Contrast Agents and Pregnancy and Breastfeeding)	0.75
Magnetic Resonance Safety Expert (MRSE) Training	09/13/2025	Diagnostic Radiology: Magnetic Resonance	MRI Safety for Medical Physicists and MRI Scientists - Introduction	0.25
Magnetic Resonance Safety Expert (MRSE) Training	09/13/2025	Diagnostic Radiology: Magnetic Resonance	Standards for Assessing MR Safety of Implants in 2025	0.75
Magnetic Resonance Safety Expert (MRSE) Training	09/13/2025	Diagnostic Radiology: Magnetic Resonance	Static Magnetic Field (B2) and Spatial Field Gradients (dB/dx)	1
Magnetic Resonance Safety Expert (MRSE) Training	09/13/2025	Diagnostic Radiology: Magnetic Resonance	Time Varying Magnetic Fields (dB/dx)	0.75

Training				
Magnetic Resonance Safety Expert (MRSE) Training	09/13/2025	Diagnostic Radiology: Magnetic Resonance	Time Varying Radiofrequency Fields (B1)	0.75
Total Released Credits:				71.75

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## Verification of Certification and Continuing Certification (MOC)

09/29/2025

**Name:** Dr. Stephen Earl Hale Jr.

**Continuing Certification Program:** Participating

**Practice Locations:** Smithville, MO

Certificate	Status	Maintenance
Diagnostic Medical Physics*	Certified	Maintained
Nuclear Medical Physics*	Certified	Maintained

The information provided in this letter is considered the primary source verification. The most current certificate and Continuing Certification (MOC) public reporting status information can be accessed at any time for Dr. Stephen Earl Hale Jr. by entering the required information in the "Verify board certification status" search on the ABR website at [www.theabr.org](http://www.theabr.org).

For questions regarding the ABR Continuing Certification (MOC) Program or its participation requirements, please contact the board office at (520) 790-2900 or [information@theabr.org](mailto:information@theabr.org).

Sincerely,

A handwritten signature in black ink, appearing to read "B. Wagner".

Brent Wagner, MD, MBA

Executive Director

American Board of Radiology

\* Validity of certification is contingent upon participation in Continuing Certification (MOC). The ABR recommends verification of certificate to be repeated annually.