

**Curriculum Vitae**  
**Cal R. Schmidt, MS DABR**

**Contact Info:**

*Phone:* (612) 961-6614

*Fax:* (612) 326-9551

*E-Mail:* [cal@midwestphysics.com](mailto:cal@midwestphysics.com)

**Education:**

**M.S.** in Medical Physics, University of Wisconsin - Madison: 2010

**B.S.** Double Major in Physics and Math (*Summa Cum Laude*), University of Wisconsin - Whitewater: 2008

**Certification:**

American Board of Radiology – Diagnostic Medical Physics, May 2015

Initial Qualification for MQSA Qualified Physicist – August 2015

- GE Digital Breast Tomosynthesis Mastery Training
- Hologic Product Training for 3-D Mammography
- Siemens MAMOMAT Inspiration Tomosynthesis Training

**Experience:**

Consultant Medical Physicist, Midwest Medical Physics, 2010 – Present

Research Assistant, University of Wisconsin Medical Radiation Research Center, 2008 – 2010

**Society Memberships:**

American Association of Physicists in Medicine (AAPM)

Minnesota Radiation Emergency Volunteer (MREV)

American College of Radiology (ACR)

Minnesota Radiological Society (MRS)

**Awards:**

Farrington Daniels Award for the best paper on Radiation Dosimetry published in Medical Physics in 2011.

**Publications:**

Brian E. Rasmussen, Stephen D. Davis, **Cal R. Schmidt**, John A. Micka, and Larry A. DeWerd, “Comparison of air-kerma strength determinations for HDR  $^{192}\text{Ir}$  sources,” Med. Phys. 38, 6721 (2011).

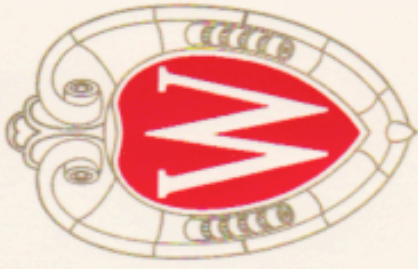
**Continuing Education:**

CAMPEP Medical Physics Credits – 7/12/20 through 1/1/23

83.25 Credit Hours in all areas

Mammo CME in Last 36 months: 20.5 hours

# UNIVERSITY OF WISCONSIN-MADISON



The Board of Regents of the University of Wisconsin System,  
on the nomination of the faculty, has conferred upon

**CAL RICHARD SCHMIDT**


The Degree of

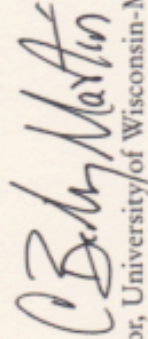
**MASTER OF SCIENCE  
MEDICAL PHYSICS**

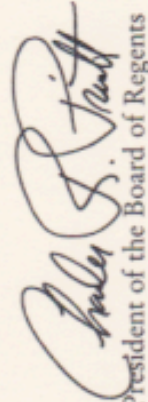
Together with all honors, rights, and privileges belonging to that degree.

In witness whereof, this diploma is granted.

Given at Madison, in the State of Wisconsin,  
this sixteenth day of May, in the year two thousand and ten  
and of the University the one hundred sixtieth.

  
President, University of Wisconsin System

  
Chancellor, University of Wisconsin-Madison

  
President of the Board of Regents

# 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 Physicians in Medicine, and the Society of Interventional Radiology,  
the American Board of Radiology hereby certifies that*

**Cal Richard Schmidt, MS**

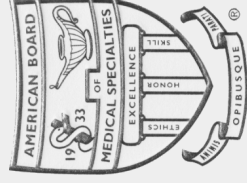
*Has pursued an accepted course of graduate study and clinical work; has met certain standards  
and qualifications, including passing the examinations conducted under the authority of  
the American Board of Radiology, demonstrating to the satisfaction of the Board qualification  
to practice; and is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

## Diagnostic Medical Physics

MS® Eligible



DA®



*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 DA® mark to signify this certification.*

*William J. Libbertson, MD*  
President

*C. P. ...*  
Secretary-Treasurer

*Valeri J. Johnson*  
Executive Director

Certificate No. #5957

Effective: May 15, 2015



AMERICAN  
BOARD OF  
RADIOLOGY

## Verification of Certification and Maintenance of Certification (MOC)

February 7, 2023

**Name:** Mr. Cal Richard Schmidt

**Practice Locations:** No U.S or Canadian practice locations listed.

**Participating in MOC**

Certificate	Status	Valid Through	Maintenance	MOC Requirements
Diagnostic Medical Physics	Valid	03/01/2024*	Maintained	Meeting

The information provided in this letter is considered the primary source verification. The most current certificate and MOC public reporting status information can be accessed at any time for Mr. Cal Richard Schmidt 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 MOC Program or its participation requirements, please contact the board office at (520) 519-2152 or [information@theabr.org](mailto:information@theabr.org).

Sincerely,

Brent Wagner, MD, MBA  
Executive Director  
American Board of Radiology

\*Validity of certification is contingent upon participation in Maintenance of Certification. The ABR recommends verification of certification be repeated annually, three business days after the ABR's March 2nd annual review.



Food and Drug Administration  
10993 New Hampshire Avenue  
Silver Spring, MD 20993

September 28, 2015

Cal Schmidt  
710 N 4th St #400  
Minneapolis MN 55401

Dear Mr. Schmidt:

After reviewing your credentials, the Division has determined that you meet the initial qualification requirements described in Section 900.12(a)(3)(i) of the final regulations. A copy of this letter may be provided to your facility as documentation that these requirements are met. For MQSA documentation purposes, you will also need to supply all facilities where you provide mammography services a copy of your current State approval, State license, or Board certification. Please be aware that if your State approval or State license expires after a certain period, you must provide to your facilities a new copy of the documentation after each renewal. Failure to provide your facility with proper valid documentation may lead to a citation.

From the information you provided for our review, your starting date for meeting your continuing education and continuing experience requirement is August 27, 2015. If you have any further questions regarding this matter, please contact the MQSA Hotline at 1-800-838-7715.

Sincerely yours,

A handwritten signature in black ink that reads "Helen J. Barr, MD".

Helen J. Barr, M.D., Director  
Division of Mammography Quality Standards  
Office of In Vitro Diagnostics and Radiological Health  
Center for Devices and Radiological Health

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

**Cal Schmidt**  
 695 Fairmount Ave  
 Saint Paul, MN 55105  
 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>
2020 AAPM   COMP Virtual Live Meeting	07/13/2020	General Medical Physics: Regulatory/Accreditation	ACR Programs and Updates	2
2020 AAPM   COMP Virtual Live Meeting	07/14/2020	Diagnostic Radiology: Magnetic Resonance	Advanced MR in Clinic	2
2020 AAPM   COMP Virtual Live Meeting	07/13/2020	Diagnostic Radiology: Magnetic Resonance	An Introductory Odyssey Through Spin Physics	1
2020 AAPM   COMP Virtual Live Meeting	07/12/2020	Diagnostic Radiology: Radiation Protection	Anatomical and Clinical Diagnostic Reference Levels An Update	1
2020 AAPM   COMP Virtual Live Meeting	07/12/2020	Diagnostic Radiology: Magnetic Resonance	Case-based Review: MRI Safety	1
2020 AAPM   COMP Virtual Live Meeting	07/15/2020	Diagnostic Radiology: Patient Safety	Diagnostic Imaging and 100 mSv Doses	1
2020 AAPM   COMP Virtual Live Meeting	07/12/2020	General Medical Physics: Patient Safety	Discontinuing Patient Gonadal Shielding: Why AAPM CARES	1
2020 AAPM   COMP Virtual Live Meeting	07/15/2020	Diagnostic Radiology: Dosimetry	Fluoroscopic Dose Tracking: Trials, Tribulations, and Successes	2
2020 AAPM   COMP Virtual Live Meeting	07/12/2020	General Medical Physics: None	General Poster Viewing	2
2020 AAPM   COMP Virtual Live Meeting	07/15/2020	Diagnostic Radiology: Computed Tomography	How Low Can CT Dose Go Future Dose Reduction Technologies	2
2020 AAPM   COMP Virtual Live Meeting	07/13/2020	Diagnostic Radiology: Ultrasound	Image Guidance for Therapeutic Ultrasound	1
2020 AAPM   COMP Virtual Live Meeting	07/14/2020	Diagnostic Radiology: Mammography	Mammography and Other Breast Imaging	1
2020 AAPM   COMP Virtual Live Meeting	07/14/2020	Diagnostic Radiology: Mammography	Modern Mammography QC: Managing Quality Amidst a Mindset of Growth	1
2020 AAPM   COMP Virtual Live Meeting	07/14/2020	Diagnostic Radiology: Mammography	Stereotactic Breast Biopsy and Beyond: Principles and Radiologists Perspectives	1
2020 AAPM   COMP Virtual Live Meeting	07/12/2020	Nuclear Medicine: None	The Era for Theranostics in Imaging and Therapy	2
2020 AAPM   COMP Virtual Live Meeting	07/16/2020	General Medical Physics: Professional	The Evolution of the ABR Certification Program to its Current State	1

2020 AAPM   COMP Virtual Live Meeting	07/14/2020	Diagnostic Radiology: None	Updates on Shielding Design for Diagnostic Medical Physicists	2
2020 RSNA Annual Meeting "Virtual	11/29/2020	General Medical Physics: None	AAPMRSNA Physics Tutorial Session 1	1
2020 RSNA Annual Meeting "Virtual	11/29/2020	Diagnostic Radiology: None	ASRTRSNA 2020: How CT Protocols Affect Technologist Repeat Rates, Throughput, and Image Quality	0.75
2020 RSNA Annual Meeting "Virtual	11/29/2020	Diagnostic Radiology: Mammography	Breast Imaging DBT and CEM	0.75
2020 RSNA Annual Meeting "Virtual	11/29/2020	Diagnostic Radiology: None	Contrast-enhanced Mammography	1
2020 RSNA Annual Meeting "Virtual	11/29/2020	Diagnostic Radiology: None	Current Issues in HRCT Imaging	0.75
2020 RSNA Annual Meeting "Virtual	11/29/2020	Diagnostic Radiology: Mammography	Emerging Technology in Breast Imaging Sponsored by the Associated Sciences Consortium	1
2020 RSNA Annual Meeting "Virtual	11/29/2020	Diagnostic Radiology: None	Innovations in Cone-beam CT	1
2020 RSNA Annual Meeting "Virtual	11/29/2020	Diagnostic Radiology: Magnetic Resonance	MRI 2030	1
2020 RSNA Annual Meeting "Virtual	11/29/2020	Diagnostic Radiology: None	Physics Imaging Systems In Joint Sponsorship with the American Association of Physicists in Medicine	0.5
2020 RSNA Annual Meeting "Virtual	11/29/2020	Diagnostic Radiology: Magnetic Resonance	Physics MRI: Technologies and Applications In Joint Sponsorship with the American Association of Physicists in Medicine	0.75
2020 RSNA Annual Meeting "Virtual	11/29/2020	Diagnostic Radiology: Mammography	Science Session with Keynote: Breast Imaging Radiomics	0.75
2020 RSNA Annual Meeting "Virtual	11/29/2020	Diagnostic Radiology: None	Screen Recommendation	1
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/25/2021	Diagnostic Radiology: Mammography	Breast Imaging	1
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/27/2021	Diagnostic Radiology: Mammography	Breast Imaging 1: Current State of the Art	2
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/29/2021	Diagnostic Radiology: Mammography	Breast Imaging 2: Possible Future Directions	2
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/29/2021	Diagnostic Radiology: Computed Tomography	CT Protocol Development and Management	1
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/25/2021	Diagnostic Radiology: Patient Safety	Fluoroscopy Dose Management	2
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/25/2021	Diagnostic Radiology: Mammography	Imaging Markers of Breast Cancer Risk	1

2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/27/2021	Diagnostic Radiology: None	Imaging: Artificial Intelligence in Medical Imaging	2
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/26/2021	Diagnostic Radiology: Magnetic Resonance	MR Protocol Basics: Brain, Spine and Prostate	1
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/26/2021	Diagnostic Radiology: Magnetic Resonance	MRI Homogeneity Testing	1
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/27/2021	Diagnostic Radiology: Computed Tomography	Recent Advances in X-ray CT - from Ultra-high Resolution Imaging to AI Reconstruction	2
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/28/2021	Diagnostic Radiology: Computed Tomography	Updates on CT Dosimetry	2
2021 AAPM Virtual Spring Clinical Meeting	04/19/2021	Diagnostic Radiology: Mammography	Emerging Technologies: Breast Density Software and CEM	2
2021 AAPM Virtual Spring Clinical Meeting	04/20/2021	Diagnostic Radiology: None	Fluoroscopy Dose Calculations - Adding Value to Safety	2
2021 AAPM Virtual Spring Clinical Meeting	04/18/2021	Radiotherapy: Quality Management	From Page to Clinic - Bringing Good Ideas to your Physics Group	2
2021 AAPM Virtual Spring Clinical Meeting	04/19/2021	Diagnostic Radiology: Mammography	I, Mammo: Artificial Intelligence in Mammography	2
2021 AAPM Virtual Spring Clinical Meeting	04/18/2021	General Medical Physics: Professional	Keeping Out of Harms Way - Safety Revisited	2
2021 AAPM Virtual Spring Clinical Meeting	04/20/2021	Diagnostic Radiology: Mammography	Live and In Stereo: Mammography Tips and Tricks	2
2021 AAPM Virtual Spring Clinical Meeting	04/18/2021	Diagnostic Radiology: Magnetic Resonance	MRI - From Basics to State-of-the-Art Protocols	2
2021 AAPM Virtual Spring Clinical Meeting	04/17/2021	General Medical Physics: Professional	Project Management - Making Better Leaders	2
2021 AAPM Virtual Spring Clinical Meeting	04/20/2021	Diagnostic Radiology: None	The Balancing Act: Optimizing CT Image Quality and Dose	2
2021 AAPM Virtual Spring Clinical Meeting	04/18/2021	Radiotherapy: Clinical Trials	The Uncertainty Session - Understanding Statistics and Clinical Trials	2
2021 AAPM Virtual Spring Clinical Meeting	04/19/2021	Diagnostic Radiology: Computed Tomography	Tomo Topics - Focus on the Clinical Plane	2
2021 AAPM Virtual Spring Clinical	04/19/2021	Radiotherapy: Quality Management	Topics in QA	2



Meeting				
2022 AAPM Online Learning Center	10/11/2022	Diagnostic Radiology: Mammography	2939-N QC Requirements for the Hologic Dimensions and GE SenoClaire Digital Breast Tomosynthesis Units	1
2022 AAPM Online Learning Center	10/11/2022	Diagnostic Radiology: Mammography	4326-N Updates on the New ACR FFDM Manual	1
2022 RSNA Annual Meeting	11/30/2022	Diagnostic Radiology: None	AAPMRSNA Physics Tutorial: Differences Between Pediatric and Adult Imaging from A Radiologists Perspective	1
2022 RSNA Annual Meeting	11/30/2022	Diagnostic Radiology: None	Challenging Breast Cases: A Game Show USA Versus Europe	1
2022 RSNA Annual Meeting	11/30/2022	Diagnostic Radiology: None	Physics AI Applications in CT	1
2022 RSNA Annual Meeting	11/30/2022	Diagnostic Radiology: None	Shielding: The Continued Discussion Sponsored by the Associated Sciences Consortium	1
2022 RSNA Annual Meeting	11/30/2022	Diagnostic Radiology: None	Wait What A MRI System is Going WHERE Sponsored by the Associated Sciences Consortium	1
2023 AAPM Online Learning Center	01/30/2023	Diagnostic Radiology: Mammography	4258-N Digital Breast Tomosynthesis Unique Features of the GE SenoClaire Tomosynthesis System	1
Total Released Credits:				83.25

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