Michael Pierquet, MS DABR

5912 Walnut Drive• Edina, MN 55436
Phone: 612-968-9423 • E-Mail: mike@midwestphysics.com

Education

M.S. **Medical Physics.** Duke University, NC. (May 2010)

B.A. **Physics.** Lawrence University, WI. (June 2008)

Certification

American Board of Radiology – Diagnostic Medical Physics 2019

American Board of Radiology – Therapeutic Medical Physics 2015

Professional Experiences

- Consultant Medical Physicist - Midwest Medical Physics 2014 – Present
- Medical Physicist - Cochise Oncology 2010 - 2014

Research Experience

- PRESAGE/Optical-CT system, Duke University 2009-2010
    - Characterized dosimetric properties of novel 3D dosimeter

Affiliations/Memberships

- AAPM 2009 - Present

Continuing Education

- CAMPEP Medical Physics Credits – 77.5 Hours 07/2021 – Present
    - >15 Mammography CE

MAP ID Nos. _____

Each medical physicist who provides medical physics services at this facility ***must verify that they meet FDA requirements*** *by completing a copy of this form.*

Please print and complete this form. Signature dates must be within one year from the date of the most recent medical physicist's Annual Survey report. Original, electronic or faxed signatures are required and considered legally binding for this document. Stamped signatures are not acceptable. Complete all sections; ***an incomplete application will delay your accreditation****.*

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Code of Virginia 8.01-581.17

PERSONNEL • MEDICAL PHYSICIST

1. Name: **Pierquet** (*LAST NAME*) **Michael** (*FIRST NAME*) **A** (*MI*) **MS** (*DEGREE*)

2. ACR Membership ID#: *(optional)* _____

3. Initial qualifying date (earliest date qualified to do mammography physics. Medical physicists qualifying prior to the MQSA Interim Rules should check "prior to October 1, 1994."):

☐ prior to October 1, 1994 or *specify date after October 1, 1994* **February** (MO) / **2020** (YR)

INITIAL QUALIFICATIONS

4. Do you meet FDA requirements for initial qualifications for medical physicists? *(complete ONLY the column that pertains to you)*

FDA Requirements	Initial Qualifications (Master's degree or higher)		Alternative Initial Qualifications *must have met before April 28, 1999* (Bachelor's degree)	
Qualified as a medical physicist under FDA's interim regulations and retained that qualification by maintenance of the active status of licensure, approval, or certification?	*Not applicable*		☐ 1 No ☐ 2 Yes	
Board Certified by either the 1. American Board of Radiology (ABR) in Diagnostic Radiological Physics* (alone or combined with another sub-specialty), Radiological Physics, Roentgen Ray or Gamma Ray Physics or X-Ray and Radium Physics, or 2. American Board of Medical Physics (ABMP) in Diagnostic Imaging Physics *also, effective 2011, Diagnostic Medical Physics	**Board**	**Year**	**Board**	**Year**
	ABR	**2019**	ABR	
	ABMP		ABMP	
State licensed?	☑ 1 No ☐ 2 Yes		☐ 1 No ☐ 2 Yes	
State approved?	☑ 1 No ☐ 2 Yes		☐ 1 No ☐ 2 Yes	
Meet the following degree requirement in a physical science from an accredited institution?	***Master's degree or higher*** ☐ 1 No ☑ 2 Yes		***Bachelor's degree obtained before training and initial experience*** ☐ 1 No ☐ 2 Yes	
Have no less than the following semester hours or equivalent of college undergraduate or graduate level physics?	***20 semester hours or equivalent*** ☐ 1 No ☑ 2 Yes		***10 semester hours or equivalent*** ☐ 1 No ☐ 2 Yes	
Have the following contact hours of documented specialized training in conducting surveys of mammography facilities?	***20 hours*** ☐ 1 No ☑ 2 Yes		***40 hours*** ☐ 1 No ☐ 2 Yes	
Have experience conducting surveys of at least one mammography facility and the following number of mammography units? (No more than one survey of a specific unit within a period of 60 days may be counted towards the total mammography unit survey requirement. If experience was acquired after April 28, 1999, it must be under the direct supervision of a qualified medical physicist).	***10 units*** ☐ 1 No ☑ 2 Yes		***20 units*** ☐ 1 No ☐ 2 Yes	

MAP ID Nos. _____

New modalities: You must have received at least 8 hours of modality-specific training (e.g., full-field digital or screen-film) in surveying these systems before independently performing surveys on these systems. Have you received this training? *(may be included in the above formal mammography education or obtained separately)*

Full-field digital mammography *(direct capture digital and/or computed radiography)*	☐ 1 No	☑ 2 Yes
Screen-film mammography	☑ 1 No	☐ 2 Yes
Digital Breast Tomosynthesis (DBT)	☐ 1 No	☑ 2 Yes

CONTINUING EXPERIENCE

5. How many mammography facilities and units have you surveyed over the previous 24-month period?

 # facilities: 20 **# units:** 30

If less than 2 facilities and 6 units, are you in the process of requalifying?

☐ 1 No ☐ 2 Yes

CONTINUING EDUCATION

6. Have you earned at least 15 continuing education units in mammography in a 36-month period? *(see FDA's Policy Guidance Help System for acceptable subject areas)*

☐ 1 No ☑ 2 Yes

If you answered "No", are you in the process of requalifying?

☐ 1 No ☐ 2 Yes

I certify that the information provided in Section H is true and correct.

Executed on: 1/15/2024
DATE

Michael Rüegsegger
SIGNATURE OF MEDICAL PHYSICIST

Midwest Medical Physics

Tony Murphy, MS DABR
ABR Certified Medical Physicist
tony@midwestphysics.com
612-961-1232

Date: February 25th, 2020

RE: Michael Pierquet, MS DABR – MQSA Initial Qualification

This letter is to establish Michael Pierquet as a Physicist within the MQSA, specifically to document 10 mammography surveys and 20 contact hours of specialized training conducting mammography surveys under direct supervision of an MQSA qualified physicist.

Michael has performed surveys of mammography units and facilities on the following dates for the highlighted number of units and hours under our direct supervision. Supplemental information about these surveys can be submitted upon request. Our credentials as MQSA Qualified Physicists are available for review if needed.

Allina Medical Clinic – Northfield, MN (FFDM, DBT): 1 Unit, 2 hours	11-4-2019
CRL Southdale – Edina, MN (FFDM, DBT): 1 Unit, 2 hours	11-13-2019
Jane Brattain Breast Center – St. Louis Park, MN (FFDM, DBT): 1 Unit, 2 hours	1-7-2020
Regina Hospital – Hastings, MN (FFDM, DBT): 1 Unit, 2 hours	1-20-2020
VA Medical Center – Minneapolis, MN (FFDM, DBT): 1 Unit, 2 hours	1-22-2020
Allina Elk River Clinic – Elk River, MN (FFDM, DBT): 1 Unit, 2 hours	1-23-2020
Minneapolis Radiology – Plymouth, MN (FFDM, DBT): 1 Unit, 2 hours	1-30-2020
HealthEast Breast Center – Maplewood, MN (FFDM, DBT): 1 Unit, 2 hours	2-6-2020
St. Joseph's Hospital - St. Paul, MN (FFDM, DBT): 1 Unit, 2 hours	2-7-2020
Lakeview Hospital – Stillwater, MN (FFDM, DBT): 1 Unit, 2 hours	2-25-2020

Total
10 Units surveyed and 20 contact hours

Tony D. Murphy, MS DABR
President and Lead Medical Physicist
Midwest Medical Physics LLC

Cal Schmidt, MS DABR
Medical Physicist
Midwest Medical Physics LLC

*(FFDM) = Full Field Digital Mammography
**(DBT) = Digital Breast Tomosynthesis

Midwest Medical Physics

Tony Murphy, MS DABR
ABR Certified Medical Physicist
tony@midwestphysics.com
612-961-1232

To: Mammography facilities
From: Michael Pierquet, MS DABR, Medical Physicist
Re: **Medical Physicist Continuing Experience Requirements under MQSA**
Date: January 15, 2024

Effective April 28, 2001, all mammography facilities will be required to maintain documentation of the continuing experience of medical physicist performing surveys for their facilities. The specific rule is listed below:

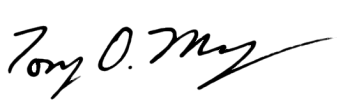
> 900.12(a)(3)(iii)(B): Continuing experience. Following the second anniversary date of the end of the calendar quarter in which the requirements of paragraphs (a)(3)(i) and (a)(3)(ii) of this section were completed or of April 28, 1999, whichever is later, the medical physicist shall have surveyed at least two mammography facilities and a total of at least six mammography units during the 24 months immediately preceding the date of the facility's annual MQSA inspection or the last day of the calendar quarter preceding the inspection or any date in between the two. The facility shall choose one of these dates to determine the 24-month period. No more than one survey of a specific facility within a 10-month period or a specific unit within a period of 60 days can be counted towards this requirement.

Facility	Unit Type	Manufacturer	Model	Date
Rayus Radiology - Lakeville, MN	DBT FFDM	Hologic	Selenia Dimensions	1/11/24
CentraCare Redwood Hospital, Redwood Falls, MN	DBT FFDM	Hologic	Selenia Dimensions	2/2/22
Sleepy Eye Medical Center – Sleepy Eye, MN	DBT FFDM	Hologic	Selenia Dimensions	3/9/23
North Memorial Breast Center Rm1 – Robbinsdale MN	DBT FFDM	Hologic	Selenia Dimensions	4/11/22
Ridgeview Medical Center Rm2 – Waconia, MN	DBT FFDM	GE	Senographe Essential with Senoclaire	6/16/23
Allina Health Forest Lake Clinic– Forest Lake, MN	DBT FFDM	Hologic	Selenia Dimensions	9/9/23
United Hospital Breast Center Rm 2, St. Paul, MN	DBT FFDM	Hologic	Selenia Dimensions	3/2/22
Shared Medical Systems IVY1, Apple Valley, MN	DBT FFDM	Hologic	Selenia Dimensions	6/7/22
Western Wisconsin Health – Baldwin, WI	DBT FFDM	GE	Senographe Essential with Senoclaire	7/7/22

All of the above surveys were performed independently by myself as fulfillment of the required Annual Medical Physicist QC. This includes a full review of the technologist QC program as part of the survey.

Michael Pierquet MS DABR

Reviewed and certified to be accurate by:
Tony Murphy, MS DABR
President Midwest Medical Physics



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

Michael Pierquet
5912 Walnut Drive
Edina, MN 55436
US

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

Program Title	Date Credits Earned	Category/SubCategory	EA Title	Credits
2021 RSNA Annual Meeting	11/29/2021	Diagnostic Radiology: Mammography	Contrast Enhanced Mammography	1
2021 RSNA Annual Meeting	11/30/2021	Diagnostic Radiology: Mammography	Physics Breast Imaging	1
2022 AAPM Online Learning Center	09/23/2022	Diagnostic Radiology: Mammography	2516-N How does c-view image quality compare with conventional 2D FFDM	1
2022 AAPM Online Learning Center	09/23/2022	Diagnostic Radiology: Mammography	2939-N QC Requirements for the Hologic Dimensions and GE SenoClaire Digital Breast Tomosynthesis Units	1
2022 AAPM Online Learning Center	09/19/2022	Diagnostic Radiology: Mammography	4164-N Unique Features of the Siemens Inspiration Digital Breast Tomosynthesis System	1
2022 AAPM Online Learning Center	09/19/2022	Diagnostic Radiology: Mammography	4258-N Digital Breast Tomosynthesis Unique Features of the GE SenoClaire Tomosynthesis System	1
2022 AAPM Online Learning Center	09/23/2022	Diagnostic Radiology: Mammography	4263-N The impact on lesion detection via a multi-vendor study: A phantom-based comparison of digital mammography, digital breast tomosynthesis, and synthetic mammography	1
2022 AAPM Online Learning Center	09/19/2022	Diagnostic Radiology: Mammography	4264-N Dense Breasts, Risk Stratification, DCIS Controversy & Genetic Based Risk Stratification - The Road to Customized Care	1
2022 AAPM Online Learning Center	09/19/2022	Diagnostic Radiology: Mammography	4326-N Updates on the New ACR FFDM Manual	1
2022 AAPM Online Learning Center	09/19/2022	Diagnostic Radiology: Mammography	4417-N From Detection to Prediction: Imaging Markers of Breast Cancer Risk	1
2023 AAPM Online Learning Center	04/10/2023	Diagnostic Radiology: Mammography	2350-N Scatter radiation intensities around a clinical digital breast tomosynthesis unit and the impact on radiation shielding considerations	1
2023 AAPM Online Learning Center	04/05/2023	Diagnostic Radiology: Mammography	2602-N Stereotactic Breast Biopsy - Physics Evaluations and 2017 updates	1
2023 AAPM Online Learning Center	04/21/2023	Diagnostic Radiology: Mammography	4546-N Patient-derived heterogeneous breast phantoms for advanced dosimetry in mammography and tomosynthesis	1
2023 AAPM Online Learning Center	04/21/2023	Diagnostic Radiology: Mammography	N-4574 Variations in signal-to-noise characteristics of tissue-equivalent attenuators for mammographic automatic exposure control system performance evaluation	1
2023 AAPM Online Learning Center	04/07/2023	Diagnostic Radiology: Mammography	N-4575 Evaluating the Performance of Stereotactic Breast Imaging Biopsy Systems	1
			Total Released Credits:	15

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MTMI Medical Technology Management Institute
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THIS CERTIFIES THAT:

MICHAEL PIERQUET

HAS SUCCESSFULLY COMPLETED THE PROGRAM ENTITLED:

23RD ANNUAL MAMMOGRAPHY UPDATE FOR PHYSICISTS

October 26 - 27, 2019 | Atlanta, GA

This seminar provides 16 hours of continuing education in mammography for medical physicists in compliance with the requirements of the Mammography Quality Standards Act of 1992 and FDA final rules (21CFR Part 900). Credits to be awarded from CAMPEP.
This seminar includes 8 hours training on the surveying of digital mammography units, 3 hours on stereotactic breast biopsy units, and 9.5 hours on digital breast tomosynthesis (DBT). The training includes the unique features of the following FDA approved DBT systems: Hologic Selenia Dimensions;GE Pristina and GE SenoClaire Digital Breast Tomosynthesis (DBT) System, Siemens Mammomat Inspiration with Tomosynthesis Option (DBT)System and Fujifilm Aspire Cristalle with Digital Breast Tomosynthesis (DBT) Option.

This activity is approved by ASRT for continuing education credit for Radiologic Technologist recognized by the ARRT
).5 CategoryA ASRT#: WID0109049 Expiration Date: 10/28/2019

MTMI, Director

MTMI
10361 Innovation Drive, STE #400
Milwaukee, WI 53226
A Continuing Education Division of CHCP

Midwest Medical Physics

Tony Murphy, MS DABR
ABR Certified Medical Physicist
tony@midwestphysics.com
612-961-1232

Date: January 15th, 2024

RE: ACR Continuing Experience Qualifications for Qualified Medical Physicist in CT

To satisfy the Continuing Experience requirements of the ACR, listed below are a list of more than 2 facilities where I have personally performed CT surveys in the last 24 months:

Facility	Date
Minneapolis Radiology – Plymouth, MN	6-17-2023
The Urgency Room – Vadnais Heights, MN	6-17-2023
Rayus Radiology – Woodbury, MN	9-20-2023
Minneapolis Radiolgoy – Maple Grove, MN	10-9-2023
Allina Health Abbott Northwestern Hospital – Minneapolis, MN	11-10-2023

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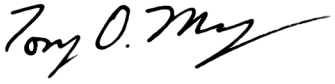

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Date: January 15th, 2024

RE: ACR Continuing Experience Qualifications for Qualified Medical Physicist in MRI

To satisfy the Continuing Experience requirements of the ACR, listed below are a list of more then 2 facilities where I have personally performed MRI surveys in the last 24 months:

Facility	Date
CentraCare Willmar Clinic, Willmar, MN	7-7-23
Allina Abbott Northwestern Hospital, Minneapolise, MN	9-1-23
Rayus Radiology – Woodbury, MN	9-13-23
M Health Fairview Maplewood Imaging Center, Maplewood, MN	9-21-23
Summit Orthopedics, Lakeville, MN	10-17-23

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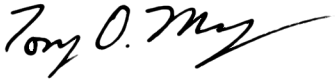

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612-961-1232

To: Nuc Med SPECT facilities
From: Mike Pierquet, MS DABR, Medical Physicist
Re: **Medical Physicist Continuing Experience Requirements**
Date: February 6, 2023

The ACR requires the all Nuclear Medicine SPECT Medical Physicists to meet the Continuing Experience requirements of the Accreditation program. This requirement is that the Medical Physicist must have completed at least 2 SPECT gamma camera surveys in the prior 24 months.

In order to meet this rule, and to avoid having an incomplete # of facilities and units, I will be providing a list of more than two facility's where I have performed surveys in the previous 24 months. There are other facilities that are not on this list, so more documentation can be provided if requested. If you should have any further questions, please feel free to contact me at the above number or email me at the above email address.

Facility	Date of survey
Children's Minnesota, Minneapolis, MN	1-26-23
Children's Minnesota, St. Paul, MN	1-24-23
Abbott Northwestern Hospital, Minneapolis, MN	8-19-22
Minneapolis VA Medical Center, Minneapolis, MN	8-11-22
Hennepin County Medical Center, Minneapolis, MN	3-30-22
CentraCare Monticello Hospital, Monticello, MN	3-25-22

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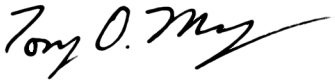

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Program Title	Date Credits Earned	Category/SubCategory	EA Title	Credits
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/29/2021	Radiotherapy: None	Adaptive Radiation Therapy in the Era of Big Data with Artificial Intelligence	2
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/25/2021	Radiotherapy: None	Artificial Intelligence in Treatment Planning and Delivery	1
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/25/2021	Radiotherapy: Image-guided	Clinical Implementation of MR-IGRT	2
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/27/2021	Radiotherapy: Radiobiology	FLASH: Radiobiology	1
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/29/2021	Radiotherapy: Quality Management	Machine QA	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	07/26/2021	Radiotherapy: None	New Developments in Flash RT	2
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/25/2021	Nuclear Medicine: Quality Management	Non-anger Gamma Cameras: Physics, Quality Control and Evaluation	2
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/26/2021	Radiotherapy: Image-guided	Perspectives on Imaging Dose in IGRT	1

2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/26/2021	General Medical Physics: None	Presidents Symposium: The Importance of Creativity in Science	2
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/28/2021	Radiotherapy: Quality Management	Quality Control in Treatment Planning and Delivery	1
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/29/2021	Radiotherapy: None	Radiation Dose Calculation Algorithms	1
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/29/2021	Radiotherapy: None	Radiation Dose Evaluation and Verification	1
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/27/2021	Radiotherapy: Radiobiology	Radiobiology and Preclinical Systems	1
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/27/2021	Radiotherapy: External Beam	State of the Art Non-MRI Motion Management for External Radiotherapy	2
2021 AAPM Virtual 63rd Annual Meeting & Exhibition	07/28/2021	Diagnostic Radiology: Computed Tomography	Updates on CT Dosimetry	2
2021 RSNA Annual Meeting	12/02/2021	Diagnostic Radiology: None	Advanced Ultrasound Technology and Applications	1
2021 RSNA Annual Meeting	12/02/2021	Diagnostic Radiology: None	Advances in SPECT PET: Technology Clinical Applications	1
2021 RSNA Annual Meeting	11/30/2021	Diagnostic Radiology: None	Case Based Breast Review: CESM MRI	1
2021 RSNA Annual Meeting	11/30/2021	Diagnostic Radiology: None	Case-based Review of Nuclear Medicine: PETCT Workshop Abdomen In Conjunction with SNMMI	1
2021 RSNA Annual Meeting	11/30/2021	None: None	Case-based Review of Nuclear Medicine: PETCT Workshop BrainHead Neck In Conjunction with SNMMI	1
2021 RSNA Annual Meeting	11/29/2021	Diagnostic Radiology: Mammography	Contrast Enhanced Mammography	1
2021 RSNA Annual Meeting	11/29/2021	Diagnostic Radiology: None	Deep Learning in MRI	1
2021 RSNA Annual Meeting	11/30/2021	Diagnostic Radiology: None	How CT Protocols Affect Technologist Repeat Rates, Throughput, and Image Quality	1
2021 RSNA Annual Meeting	11/29/2021	Diagnostic Radiology: None	Mentored Cardiac CT Angiography Case Review: Part I	1
2021 RSNA Annual Meeting	12/02/2021	Diagnostic Radiology: None	MRI Safety	1

2021 RSNA Annual Meeting	12/02/2021	Diagnostic Radiology: None	Neurologic Molecular Imaging Applications	1
2021 RSNA Annual Meeting	11/30/2021	Diagnostic Radiology: Mammography	Physics Breast Imaging	1
2021 RSNA Annual Meeting	11/30/2021	Diagnostic Radiology: Computed Tomography	Physics Dual-energy and Multi-energy CT	1
2021 RSNA Annual Meeting	12/02/2021	Diagnostic Radiology: None	Physics Radiation Therapy and Ultrasound	1
2021 RSNA Annual Meeting	11/29/2021	Diagnostic Radiology: None	Physics X-ray Imaging	1
2021 RSNA Annual Meeting	11/29/2021	Diagnostic Radiology: None	Practical Aspects of MRI	1
2021 RSNA Annual Meeting	12/02/2021	Diagnostic Radiology: None	Practical Tips and Tricks: How I Do and Interpret Advanced CT MRI	1
2021 RSNA Annual Meeting	12/01/2021	Diagnostic Radiology: None	Prostate MRMolecular Imaging Core-Advanced	1
2021 RSNA Annual Meeting	11/29/2021	Diagnostic Radiology: None	Radiation Safety Culture for Technologists	1
2021 RSNA Annual Meeting	12/01/2021	Diagnostic Radiology: None	The Changing World of Contraband Smuggling	1
2022 AAPM Online Learning Center	09/23/2022	Diagnostic Radiology: Mammography	2516-N How does c-view image quality compare with conventional 2D FFDM	1
2022 AAPM Online Learning Center	09/23/2022	Diagnostic Radiology: Mammography	2939-N QC Requirements for the Hologic Dimensions and GE SenoClaire Digital Breast Tomosynthesis Units	1
2022 AAPM Online Learning Center	09/19/2022	Diagnostic Radiology: Mammography	4164-N Unique Features of the Siemens Inspiration Digital Breast Tomosynthesis System	1
2022 AAPM Online Learning Center	09/19/2022	Diagnostic Radiology: Mammography	4258-N Digital Breast Tomosynthesis Unique Features of the GE SenoClaire Tomosynthesis System	1
2022 AAPM Online Learning Center	09/23/2022	Diagnostic Radiology: Mammography	4263-N The impact on lesion detection via a multi-vendor study: A phantom-based comparison of digital mammography, digital breast tomosynthesis, and synthetic mammography	1
2022 AAPM Online Learning Center	09/19/2022	Diagnostic Radiology: Mammography	4264-N Dense Breasts, Risk Stratification, DCIS Controversy & Genetic Based Risk Stratification - The Road to Customized Care	1
2022 AAPM Online Learning Center	09/19/2022	Diagnostic Radiology: Mammography	4326-N Updates on the New ACR FFDM Manual	1
2022 AAPM Online Learning Center	09/19/2022	Diagnostic Radiology: Mammography	4417-N From Detection to Prediction: Imaging Markers of Breast Cancer Risk	1
2022 RSNA Annual Meeting	11/27/2022	Diagnostic Radiology: None	Innovations in Dual and Multi-Energy CT	1

2022 RSNA Annual Meeting	11/30/2022	Diagnostic Radiology: Magnetic Resonance	MR Safety: MR Safety: Case-based Approached Part 2 Sponsored by the RSNA Quality Improvement Committee	1
2022 RSNA Annual Meeting	11/28/2022	Diagnostic Radiology: None	Neuroradiology Brain: Neoplasms Post-Treatment Evaluation	1
2022 RSNA Annual Meeting	12/01/2022	Diagnostic Radiology: Magnetic Resonance	Physics MRI I	1
2022 RSNA Annual Meeting	11/30/2022	Diagnostic Radiology: None	Physics Photon-counting-detector CT I	1
2022 RSNA Annual Meeting	12/01/2022	Diagnostic Radiology: None	Physics Photon-counting-detector CT II	1
2022 RSNA Annual Meeting	11/28/2022	Diagnostic Radiology: None	Wait What A MRI System is Going WHERE Sponsored by the Associated Sciences Consortium	1
2023 AAPM Online Learning Center	04/10/2023	Diagnostic Radiology: Mammography	2350-N Scatter radiation intensities around a clinical digital breast tomosynthesis unit and the impact on radiation shielding considerations	1
2023 AAPM Online Learning Center	04/05/2023	Diagnostic Radiology: Mammography	2602-N Stereotactic Breast Biopsy - Physics Evaluations and 2017 updates	1
2023 AAPM Online Learning Center	04/21/2023	Diagnostic Radiology: Mammography	4546-N Patient-derived heterogeneous breast phantoms for advanced dosimetry in mammography and tomosynthesis	1
2023 AAPM Online Learning Center	04/21/2023	Diagnostic Radiology: Mammography	N-4574 Variations in signal-to-noise characteristics of tissue-equivalent attenuators for mammographic automatic exposure control system performance evaluation	1
2023 AAPM Online Learning Center	04/07/2023	Diagnostic Radiology: Mammography	N-4575 Evaluating the Performance of Stereotactic Breast Imaging Biopsy Systems	1
Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	ACR Phantom Measurements	1
Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	Lab A: Scanning and Analysis of the ACR Phantom	1.5
Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	Lab B: Basic Image Quality Measurements	1.5
Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	Lab C: Applied MR Safety	1.5
Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	Lab D: Clinical QA, Protocols, and Troubleshooting	1.5

Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	Lab E: RF Coil Testing	1.5
Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	Lab F: Magnetic Homogeneity Testing	1.5
Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	Magnetic Homogeneity Testing	0.5
Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	MRI Protocols and QA Programs	1
Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	MRI Safety	1
Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	NMR Signal and Tissue Characteristics	1
Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	RF Coil Quality Control Testing	0.5
Hands-on MRI Physics Workshop for Physicists	09/16/2023	Diagnostic Radiology: Magnetic Resonance	Summary, Discussion, and Q&A	0.5
			Total Released Credits:	77.5

The American Board of Radiology

hereby certifies that

Michael Alexander Pierquet, 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

RSO Eligible

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

DABR

THE AMERICAN BOARD OF RADIOLOGY INCORPORATED IN THE DISTRICT OF COLUMBIA 1934

President

Secretary-Treasurer

Executive Director

AMERICAN BOARD 1933 OF MEDICAL SPECIALTIES EXCELLENCE ETHICS HONOR SKILL OPIBUSQUE

Certificate No. P6194

Effective: May 01, 2019

Duke University

The Faculty and Trustees in recognition of
the successful completion of the course of study
required by the

Graduate School

have conferred on

Michael Alexander Pierquet

the degree of

Master of Science

Given at Durham in the State of North Carolina this sixteenth day
of May, two thousand and ten.

Chairman of Board of Trustees

J. Rae Wright
Dean

Universitas · Dukiana · Eruditio · et · Religio

Richard H. Brodhead
President of the University

Secretary of the University

Official Academic Transcript from

Duke University

Statement of Authenticity
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Questions regarding the content of the official academic transcript should be directed to the sending school.

Sending School Information

Duke University
Office of the University Registrar
1121 West Main Street, Suite 1200
Durham, NC 27701
Telephone: 919-684-2813
School Web Page: http://www.duke.edu
Registrar Office Web Page: http://www.registrar.duke.edu/
Course Catalog Web Page: http://registrar.duke.edu/university-bulletins
Accreditation: Southern Association of Colleges and Schools, Commission on Colleges (SACSCOC)

Student Information

Student Name: Michael Alexander Pierquet
Numeric Identifier: 1834795
Birth Date: Not Provided By the Sending School
Student Email: Not Provided By the Sending School

Receiver Information

mike@midwestphysics.com

Document Information

Transmitted On: Wed, 01 March 2017
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If you are not the identified receiver please notify the sending school immediately.

Transcripts marked 'Issued to Student' are intended for student use only.
Recipients should only accept academic transcripts directly from the sending school.

Duke University

Official Transcript

Name: Michael Alexander Pierquet
Student ID: 1834795
Print Date: 03/01/2017

Degrees Awarded

Degree: Master of Science
Confer Date: 05/16/2010
Plan: Medical Physics - Master's
Sub-Plan:

Academic Program

Program: Grad-Medical Physics Status: Completed Program
Plan: Medical Physics - Master's

Beginning of Graduate Record

2008 Fall Term

Course		Description	Earned	Grade
CTN	1	CONTINUATION	0.000	
MEDPHY	200	RADIATION PHYSICS	3.000	A-
MEDPHY	205	ANAT/PHYSIOL MED PHYS	3.000	A-
MEDPHY	230	MOD DIAG IMAGING SYSTEMS	3.000	A-
MEDPHY	251	SEMINARS IN MEDICAL PHYSICS	1.000	A
Term GPA	3.730	Term Earned	10.000	

2009 Spring Term

Course		Description	Earned	Grade
CTN	1	CONTINUATION	0.000	
MEDPHY	210	RADIATION PROTECTION	3.000	B+
MEDPHY	220	RADIATION THERAPY PHYSICS	3.000	A-
MEDPHY	241	NUCLEAR MEDICINE PHYSICS	3.000	B+
Topic:		NUCLEAR MEDICINE PHYSICS		
MEDPHY	251	SEMINARS IN MEDICAL PHYSICS	1.000	A
Term GPA	3.490	Term Earned	10.000	

2009 Fall Term

Course		Description	Earned	Grade
CTN	1	CONTINUATION	0.000	
MEDPHY	251	SEMINARS IN MEDICAL PHYSICS	1.000	B+
MEDPHY	322	ADV PHOTON BEAM RAD THERAPY	3.000	A
MEDPHY	328	CLINICAL PRACTICUM (RT)	3.000	A-
RESEARCH	1	RESEARCH	3.000	-
Term GPA	3.771	Term Earned	10.000	

2010 Spring Term

Course		Description	Earned	Grade
CTN	1	CONTINUATION	0.000	
MEDPHY	251	SEMINARS IN MEDICAL PHYSICS	1.000	B+
MEDPHY	323	ADV BRACHYTHERAPY/SP TOP	1.000	A
Topic:		ADVANCED BRACHYTHERAPY		
MEDPHY	323	ADV BRACHYTHERAPY/SP TOP	1.000	A-
Topic:		ADV MAGE-GUIDED RAD THERAPY		
MEDPHY	323	ADV BRACHYTHERAPY/SP TOP	1.000	B
Topic:		ADVANCED CLINICAL DOSIMETRY		
MEDPHY	370	FRONTIERS OF BIOMED SCIENCE	3.000	A
RESEARCH	1	RESEARCH	3.000	-
Term GPA	3.714	Term Earned	10.000	

Graduate Career Earned
Cum GPA: **3.664** **Cum Earned** **40.000**

Non-Course Milestones

Program: Grad-Medical Physics
Thesis
Status: Completed
Date Completed: 04/22/2010
Milestone Title: An Investigation into the Dosimetric Characteristics of New PRESAGE Formulations and the Feasibility of 3D Dosimetry around Brachytherapy Sources

End of Official Transcript

Michael Alexander Pierquet
mike@midwestphysics.com

Frank Blalark, University Registrar

From Duke University to mike@midwestphysics.com on 03/01/2017 03:37 PM TRAN0000011536769

DUKE UNIVERSITY TRANSCRIPT GUIDE

CREDIT, ALL SCHOOLS: The Graduate and Professional Schools except for the Divinity School list credit in semester hours. Prior to 1969, credit for Trinity College, the School of Engineering and the Divinity School was recorded in semester hours. A semester hour unit represents one lecture or recitation period of fifty minutes per week for a fifteen-week semester or its equivalent. Beginning Fall 1969, credit for Trinity, Pratt, and the Divinity School has been listed in semester-courses. *One semester-course credit unit is equivalent to four semester hours*.

UNDERGRADUATE LOAD AND COURSE NUMBERING SYSTEM: Since 1969, the normal undergraduate load has been four semester-course credits per semester. Full-time status requires three or more semester-course credits. For undergraduate matriculants from Fall 1969-Summer 1988, the graduation requirement was 32 semester course credits; for matriculants in Fall 1988 and after, it is 34. From 1930-2012, introductory level courses are numbered below 100; advanced level courses are numbered 100 and above. Courses numbered 1-49 are primarily for first-year students; courses numbered 200-299 are primarily for seniors and graduate students. Effective Fall 2012, Undergraduate (Trinity and Pratt), Graduate School, Nicholas School of the Environment, Sanford School of Public Policy, Divinity School and Fuqua School of Business courses were renumbered. In the new numbering scheme, courses numbered at the 100 level and below are introductory courses; 200 and 300 level courses are above introductory; 400 level courses are advanced undergraduate, capstone type courses typically taken by seniors; 500 and 600 level courses are graduate courses open to advanced undergraduates; courses numbered 700 and above are for graduate students only. A more detailed description of the course numbering scheme and process can be found at the following web site:
http://trinity.duke.edu/curriculum/course-renumbering

DUKE KUNSHAN UNIVERSITY: Beginning Summer 2014 Duke University began offering graduate and professional degree programs and undergraduate semester programs at Duke Kunshan University, in Kunshan, China. Credits and degrees are awarded through Duke University and are displayed as such on Duke University transcripts, with a notation indicating the coursework was taken through Duke Kunshan University.

GRADING SYSTEMS

UNDERGRADUATE

Trinity College of Arts & Sciences, The Pratt School of Engineering, The School of Nursing, and The Women's College:

1967-present				1930-1955		Quality Points per sem. hour
A+	4.0	C+	2.3	A	Exceptional	3
A	4.0	C	2.0	B	Superior	2
A-	3.7	C-	1.7	C	Satisfactory	1
B+	3.3	D+	1.3	D	Low Pass	0
B	3.0	D	1.0	F	Failure	
B-	2.7	D-	1.0	(1955-1967, quality pts. per sem. hr. carried one more point per sem. hr.)		
		F	0.0			

GRADUATE AND PROFESSIONAL

The Graduate School, Engineering Management, The Nicholas School of the Environment, and The Sanford School of Public Policy:

Through Spring 2004		Summer 2004-present			
E	Excellent	A+	4.0	B-	2.7
G	Good	A	4.0	C+	2.3
S	Satisfactory	A-	3.7	C	2.0
F	Failure	B+	3.3	C-	1.7
P	Passing (Pass/Fail Course)	B	3.0	F	0.0
		P	Passing (Pass/Fail Course)		

Notes: From Fall 1967, plus and minus signs have been possible. Through Spring 2004, the Undergraduate grading system applies when a graduate student takes a course at the 100-level. All students admitted to The Graduate School, the Engineering Management program, and The Sanford School of Public Policy in Summer 2004 and later will have a grade point average calculated, based on the scale noted above. No GPA is calculated for students admitted to those schools prior to Summer 2004. The Nicholas School of the Environment does not calculate a GPA.

The Fuqua School of Business:

Sept. 1980-present			Sept. 1977-Sept. 1980	
SP	4.0	Superior	A	Excellent
HP	3.5	High Pass	B	Superior
P	3.0	Pass	C	Average
LP	2.5	Low Pass	D	Low Pass
F	0.0	Failure	F	Failure

Prior to Sept. 1977, the School of Business Administration used the same grading system as the Graduate School.

The Divinity School:

Fall 1971-present: the Divinity School has employed the same grading scale as the undergraduate schools.

1951-Fall 1971		Before 1951	
A	Excellent	E	95-100
B	Superior	G	85-94
C	Average	S	70-84
D	Inferior	F	69 & below
F	Failure		

The Graduate School of Nursing:

Spring 1993-present

A	4.0	B-	2.7
A-	3.7	C+	2.3
B+	3.3	C	2.0
B	3.0	F	0.0

From 1974-1992, plus and minus signs were not used.

The Law School:

Fall 2004-present

4.1-4.3	Exceptional (<= 5% of any course with 40 or more students)
1.6-4.0	Passing in ascending order of proficiency
1.1-1.5	Failing

Fall 1989-Fall 2004

4.1-4.5	Exceptional (<= 5% of any course with 40 or more students)
1.6-4.0	Passing in ascending order of proficiency
1.1-1.5	Failing

Fall 1971-Fall 1989

Numerical

3.5-4.0	H	Honors
2.7-3.4	HP	High Pass
1.8-2.6	P	Pass
1.3-1.7	LP	Low Pass
1.0-1.2	F	Failure

OTHER SYMBOLS (all schools):

AD	Audited
AP	Advanced Placement Program Credit
CR	Credit Only
I	Incomplete
IPC	International Placement Credit
N	No grade reported at this time from instructor
NC	No credit
P	Pass - in Pass/Fail course (after 1966)
S	Satisfactory - in Satisfactory/Unsatisfactory course (for Undergraduates beginning Fall 2010)
TR	Transfer Credit
TR*	Transfer (No Credit)
U	Failure - in Pass/Fail course (after 1966); Unsatisfactory - in Satisfactory/Unsatisfactory course (for Undergraduates beginning Fall 2010)
W	Withdrew from course
WA	Withdrew from an Audited course
WE	Withdrew, Student Registration Error
WF	Withdrew, Failing (after 1974)
WI	Withdrew, Illness
WP	Withdrew, Passing (after 1974)
X	Absent from Examination (with excuse)
Z	Year-long course, grade given next semester

ACCREDITATION: Duke University is accredited by the Southern Association of Colleges and Schools, Atlanta, GA 30365.

Office of the University Registrar
1121 West Main Street, Suite 1200
Durham, NC 27701
(919) 684-2813
registrar@duke.edu

Verification of Certification and Maintenance of Certification (MOC)

March 29, 2023

Name: Mr. Michael Alexander Pierquet
Practice Locations: Edina, MN
Participating in MOC

Certificate	Status	Valid Through	Maintenance	MOC Requirements
Therapeutic Medical Physics	Valid	03/01/2025*	Maintained	Meeting
Diagnostic Medical Physics	Valid	03/01/2025*	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. Michael Alexander Pierquet by entering the required information in the 'Verify board certification status' search on the ABR website at 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.

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.