

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 – 102.75 Hours 06/2020 – 01/2023
 - 8 - SA-CME Earned
 - 37 – SAM Credit Earned
 - >15 Mammography CE

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.**

PRIVILEGED and CONFIDENTIAL • PEER REVIEW

Code of Virginia 8.01-581.17

PERSONNEL • MEDICAL PHYSICIST

1. Name: Pierquet Michael A MS
LAST NAME FIRST NAME MI 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 / 2020
MO 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 <i>must have met before April 28, 1999</i> (Bachelor's degree)	
	Board	Year	Board	Year
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		<input type="checkbox"/> ¹ No <input type="checkbox"/> 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	ABR	2019	ABR	
	ABMP		ABMP	
State licensed?	<input checked="" type="checkbox"/> ¹ No <input type="checkbox"/> ² Yes		<input type="checkbox"/> ¹ No <input type="checkbox"/> ² Yes	
State approved?	<input checked="" type="checkbox"/> ¹ No <input type="checkbox"/> ² Yes		<input type="checkbox"/> ¹ No <input type="checkbox"/> ² Yes	
Meet the following degree requirement in a physical science from an accredited institution?	Master's degree or higher <input type="checkbox"/> ¹ No <input checked="" type="checkbox"/> ² Yes		Bachelor's degree obtained before training and initial experience <input type="checkbox"/> ¹ No <input type="checkbox"/> ² Yes	
Have no less than the following semester hours or equivalent of college undergraduate or graduate level physics?	20 semester hours or equivalent <input type="checkbox"/> ¹ No <input checked="" type="checkbox"/> ² Yes		10 semester hours or equivalent <input type="checkbox"/> ¹ No <input type="checkbox"/> ² Yes	
Have the following contact hours of documented specialized training in conducting surveys of mammography facilities?	20 hours <input type="checkbox"/> ¹ No <input checked="" type="checkbox"/> ² Yes		40 hours <input type="checkbox"/> ¹ No <input type="checkbox"/> 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 <input type="checkbox"/> ¹ No <input checked="" type="checkbox"/> ² Yes		20 units <input type="checkbox"/> ¹ No <input type="checkbox"/> ² Yes	

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) | <input type="checkbox"/> ¹ No | <input checked="" type="checkbox"/> ² Yes |
| Screen-film mammography | <input checked="" type="checkbox"/> ¹ No | <input type="checkbox"/> ² Yes |
| Digital Breast Tomosynthesis (DBT) | <input type="checkbox"/> ¹ No | <input checked="" type="checkbox"/> 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?

- ¹No ²Yes

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)


- ¹No ²Yes

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

- ¹No ²Yes

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

Executed on: 1/24/2023
DATE


SIGNATURE OF MEDICAL PHYSICIST

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.

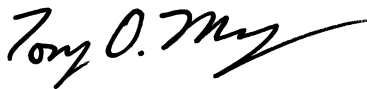
Michael has performed surveys of mammography units and facilities on the following dates for the highlighted number of units and hours under our direct supervision. Supplemental information about these surveys can be submitted upon request. Our credentials as MQSA Qualified Physicists are available for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

To: Mammography facilities
 From: Michael Pierquet, MS DABR, Medical Physicist
 Re: **Medical Physicist Continuing Experience Requirements under MQSA**
 Date: February 7, 2023

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.

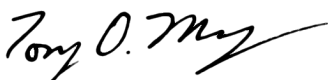
Facility	Unit Type	Manufacturer	Model	Date
Rayus Radiology - Lakeville, MN	DBT FFDM	Hologic	Selenia Dimensions	1/4/23
CentraCare Redwood Hospital, Redwood Falls, MN	DBT FFDM	Hologic	Selenia Dimensions	2/2/22
Sleepy Eye Medical Center – Sleepy Eye, MN	DBT FFDM	Hologic	Selenia Dimensions	3/23/22
North 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	6/20/22
Allina Health Forest Lake Clinic– Forest Lake, MN	DBT FFDM	Hologic	Selenia Dimensions	11/1/22
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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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 1.5 Category A ASRT#: WID0109049 Expiration Date ~~MTMI~~ 12/28/2019

James Robert Debraak Ed.D

 MTMI, Director

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

Date: February 6th, 2023

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

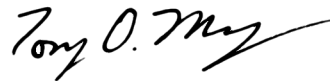
To satisfy the Continuing Experience requirements of the ACR, listed below are a list of more than 2 facilities where I have personally performed CT surveys in the last 24 months:

<u>Facility</u>	<u>Date</u>
Sleepy Eye Medical Center – Sleepy Eye, MN	3-23-2022
Rayus Radiology – Otsego, MN	4-1-2022
Hennepin County Medical Center - CSC – Minneapolis, MN	6-1-2022
Midwest Radiology NW Coon rapids – Coon Rapids, MN	7-6-2022
Allina Health Abbott Northwestern Hospital – Minneapolis, MN	11-11-2022

Mike Pierquet, MS DABR
Midwest Medical Physics
mike@midwestphysics.com
612-968-9423



Tony Murphy, MS DABR
President – Midwest Medical Physics
Tony@midwestphysics.com



Date: February 6th, 2023

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

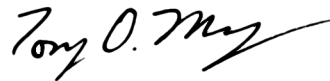
To satisfy the Continuing Experience requirements of the ACR, listed below are a list of more than 2 facilities where I have personally performed MRI surveys in the last 24 months:

<u>Facility</u>	<u>Date</u>
Rayus Radiology Maple Grove, Maple Grove, MN	5-4-22
Summit Orthopedics Woodlake Clinic, Woodbury, MN	8-2-22
Rayus Radiology Plymouth – Plymouth, MN	8-24-22
CentraCare Rice Memorial Hospital, Willmar, MN	9-22-22
St. Francis Medical Center, Shakopee, MN	10-26-22

Mike Pierquet, MS DABR
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Tony Murphy, MS DABR
President – Midwest Medical Physics
Tony@midwestphysics.com



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.

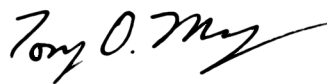
In order to meet this rule, and to avoid having an incomplete # of facilities and units, I will be providing a list of more than two facility's where I have performed surveys in the previous 24 months. There are other facilities that are not on this list, so more documentation can be provided if requested. 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.

<u>Facility</u>	<u>Date of survey</u>
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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Export a CSV file containing your entire record of CME activities outside of any chosen date range.							
		MULTI-SOCIETY CREDIT REPORT FOR Michael Pierquet			REPORT DATE: 02/06/2023		
		CREDIT TYPE: ALL					
DATE RANGE: 01/01/2020 TO: 11/30/2022							
SPONSOR	PROGRAM	SESSION ID	DESCRIPTION	DATE	TYPE	EARNED	
RSNA	2022 RSNA Annual Meeting		2022 RSNA Annual Meeting: Wait What A MRI System is Going WHERE Sponsored by the Associated Sciences Consortium Diagnostic Radiology None	11/30/2022	MPCEC	1	
RSNA	2022 RSNA Annual Meeting		2022 RSNA Annual Meeting: Physics MRI I Diagnostic Radiology Magnetic Resonance	11/30/2022	MPCEC	1	
RSNA	2022 RSNA Annual Meeting		2022 RSNA Annual Meeting: MR Safety: MR Safety: Case-based Approached Part 2 Sponsored by the RSNA Quality Improvement Committee Diagnostic Radiology Magnetic Resonance	11/30/2022	MPCEC	1	
RSNA	2022 RSNA Annual Meeting		2022 RSNA Annual Meeting: Physics Photon-counting-detector CT I Diagnostic Radiology None	11/30/2022	MPCEC	1	
RSNA	2022 RSNA Annual Meeting		2022 RSNA Annual Meeting: Physics Photon-counting-detector CT II Diagnostic Radiology None	11/30/2022	MPCEC	1	
RSNA	2022 RSNA Annual Meeting		2022 RSNA Annual Meeting: Innovations in Dual and Multi-Energy CT Diagnostic Radiology None	11/30/2022	MPCEC	1	
AAPM	AAPM Online Continuing Education		How does c-view image quality compare with conventional 2D FFD7-(Diagnostic Radiology: Mammography) Self-Assessment CME	09/23/2022	SA-CME	1	
AAPM	AAPM Online Continuing Education		QC Requirements for the Hologic Dimensions and GE SenoClaire Digital Breast Tomosynthesis Units-(Diagnostic Radiology: Mammography) Self-Assessment CME	09/23/2022	SA-CME	1	
AAPM	AAPM Online Continuing Education		The impact on lesion detection via a multi-vendor study: A phantom-based comparison of digital mammography, digital breast tomosynthesis, and synthetic mammography-(Diagnostic Radiology: Mammography) Self-Assessment CME	09/23/2022	SA-CME	1	
AAPM	2022 AAPM Online Learning Center		2022 AAPM Online Learning Center: 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 Diagnostic Radiology Mammography	09/23/2022	MPCEC	1	
AAPM	2022 AAPM Online Learning Center		2022 AAPM Online Learning Center: 2516-N How does c-view image quality compare with conventional 2D FFD7 Diagnostic Radiology Mammography	09/23/2022	MPCEC	1	
AAPM	2022 AAPM Online Learning Center		2022 AAPM Online Learning Center: 2939-N QC Requirements for the Hologic Dimensions and GE SenoClaire Digital Breast Tomosynthesis Units Diagnostic Radiology Mammography	09/23/2022	MPCEC	1	
AAPM	AAPM Online Continuing Education		Unique Features of the Siemens Inspiration Digital Breast Tomosynthesis System-(Diagnostic Radiology: Mammography) Self-Assessment CME	09/19/2022	SA-CME	1	
AAPM	AAPM Online Continuing Education		Digital Breast Tomosynthesis Unique Features of the GE SenoClaire Tomosynthesis System-(Diagnostic Radiology: Mammography) Self-Assessment CME	09/19/2022	SA-CME	1	
AAPM	AAPM Online Continuing Education		Dense Breasts, Risk Stratification, DCIS Controversy & Genetic Based Risk Stratification - The Road to Customized Care-(Diagnostic Radiology: Mammography) Self-Assessment CME	09/19/2022	SA-CME	1	
AAPM	AAPM Online Continuing Education		Updates on the New ACR FFDM Manual-(Diagnostic Radiology: Mammography) Self-Assessment CME	09/19/2022	SA-CME	1	
AAPM	AAPM Online Continuing Education		From Detection to Prediction: Imaging Markers of Breast Cancer Risk-(Diagnostic Radiology: Mammography) Self-Assessment CME	09/19/2022	SA-CME	1	
AAPM	2022 AAPM Online Learning Center		2022 AAPM Online Learning Center: 4417-N From Detection to Prediction: Imaging Markers of Breast Cancer Risk Diagnostic Radiology Mammography	09/19/2022	MPCEC	1	
AAPM	2022 AAPM Online Learning Center		2022 AAPM Online Learning Center: 4326-N Updates on the New ACR FFDM Manual Diagnostic Radiology Mammography	09/19/2022	MPCEC	1	
AAPM	2022 AAPM Online Learning Center		2022 AAPM Online Learning Center: 4264-N Dense Breasts, Risk Stratification, DCIS Controversy & Genetic Based Risk Stratification - The Road to Customized Care Diagnostic Radiology Mammography	09/19/2022	MPCEC	1	
AAPM	2022 AAPM Online Learning Center		2022 AAPM Online Learning Center: 4164-N Unique Features of the Siemens Inspiration Digital Breast Tomosynthesis System Diagnostic Radiology Mammography	09/19/2022	MPCEC	1	
AAPM	2022 AAPM Online Learning Center		2022 AAPM Online Learning Center: 4258-N Digital Breast Tomosynthesis Unique Features of the GE SenoClaire Tomosynthesis System Diagnostic Radiology Mammography	09/19/2022	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Practical Tips and Tricks: How I Do and Interpret Advanced CT MRI Diagnostic Radiology None	12/02/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Physics Radiation Therapy and Ultrasound Diagnostic Radiology None	12/02/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: MRI Safety Diagnostic Radiology None	12/02/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Neurologic Molecular Imaging Applications Diagnostic Radiology None	12/02/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Advanced Ultrasound Technology and Applications Diagnostic Radiology None	12/02/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Advances in SPECT PET: Technology Clinical Applications Diagnostic Radiology None	12/02/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: The Changing World of Contraband Smuggling Diagnostic Radiology None	12/01/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Prostate MR Molecular Imaging Core-Advanced Diagnostic Radiology None	12/01/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Physics Dual-energy and Multi-energy CT Diagnostic Radiology Computed Tomography	11/30/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Case-based Review of Nuclear Medicine: PETCT Workshop BrainHead Neck In Conjunction with SNMMI None	11/30/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Case Based Breast Review: CESM MRI Diagnostic Radiology None	11/30/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: How CT Protocols Affect Technologist Repeat Rates, Throughput, and Image Quality Diagnostic Radiology None	11/30/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Case-based Review of Nuclear Medicine: PETCT Workshop Abdomen In Conjunction with SNMMI Diagnostic Radiology None	11/30/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Physics Breast Imaging Diagnostic Radiology Mammography	11/30/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Contrast Enhanced Mammography Diagnostic Radiology Mammography	11/29/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Mentored Cardiac CT Angiography Case Review: Part I Diagnostic Radiology None	11/29/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Practical Aspects of MRI Diagnostic Radiology None	11/29/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Radiation Safety Culture for Technologists Diagnostic Radiology None	11/29/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Deep Learning in MRI Diagnostic Radiology None	11/29/2021	MPCEC	1	
RSNA	2021 RSNA Annual Meeting		2021 RSNA Annual Meeting: Physics X-ray Imaging Diagnostic Radiology None	11/29/2021	MPCEC	1	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: Radiation Dose Calculation Algorithms Radiotherapy None	07/29/2021	MPCEC	1	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: Radiation Dose Evaluation and Verification Radiotherapy None	07/29/2021	MPCEC	1	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: Machine QA Radiotherapy Quality Management	07/29/2021	MPCEC	1	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: Adaptive Radiation Therapy in the Era of Big Data with Artificial Intelligence Radiotherapy None	07/29/2021	MPCEC	2	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: Quality Control in Treatment Planning and Delivery Radiotherapy Quality Management	07/28/2021	MPCEC	1	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: Updates on CT Dosimetry Diagnostic Radiology Computed Tomography	07/28/2021	MPCEC	2	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: State of the Art Non-MRI Motion Management for External Radiotherapy Radiotherapy External Beam	07/27/2021	MPCEC	2	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: Radiobiology and Preclinical Systems Radiotherapy Radiobiology	07/27/2021	MPCEC	1	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: FLASH: Radiobiology Radiotherapy Radiobiology	07/27/2021	MPCEC	1	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: New Developments in Flash RT Radiotherapy None	07/26/2021	MPCEC	2	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: Presidents Symposium: The Importance of Creativity in Science General Medical Physics None	07/26/2021	MPCEC	2	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: Perspectives on Imaging Dose in IGRT Radiotherapy Image-guided	07/26/2021	MPCEC	1	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: MRI Homogeneity Testing Diagnostic Radiology Magnetic Resonance	07/26/2021	MPCEC	1	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: Artificial Intelligence in Treatment Planning and Delivery Radiotherapy None	07/25/2021	MPCEC	1	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: Clinical Implementation of MR-IGRT Radiotherapy Image-guided	07/25/2021	MPCEC	2	
AAPM	2021 AAPM Virtual 63rd Annual Meeting & Exhibition		2021 AAPM Virtual 63rd Annual Meeting & Exhibition: Non-anger Gamma Cameras: Physics, Quality Control and Evaluation Nuclear Medicine Quality Management	07/25/2021	MPCEC	2	
AAPM	2021 AAPM Virtual Spring Clinical Meeting		1, Mammo: Artificial Intelligence in Mammography-(2021 AAPM Virtual Spring Clinical Meeting (Mammography Symposium - SAM)) NONE	04/19/2021	SAM	2	
AAPM	2021 AAPM Virtual Spring Clinical Meeting		Automation Station-(2021 AAPM Virtual Spring Clinical Meeting (Therapy Symposium - SAM)) NONE	04/19/2021	SAM	2	
AAPM	2021 AAPM Virtual Spring Clinical Meeting		From Page to Clinic - Bringing Good Ideas to your Physics Group-(2021 AAPM Virtual Spring Clinical Meeting (Therapy Symposium - SAM)) NONE	04/18/2021	SAM	2	
AAPM	2021 AAPM Virtual Spring Clinical Meeting		Nuclear Medicine Updates-(2021 AAPM Virtual Spring Clinical Meeting (Diagnostic Symposium - SAM)) NONE	04/18/2021	SAM	2	
AAPM	2021 AAPM Virtual Spring Clinical Meeting		MRI - From Basics to State-of-the-Art Protocols-(2021 AAPM Virtual Spring Clinical Meeting (Diagnostic Symposium - SAM)) NONE	04/18/2021	SAM	2	
AAPM	2021 AAPM Virtual Spring Clinical Meeting		Radiopharmaceutical Therapy Patient Specific Dosimetry - The Why and The How-(2021 AAPM Virtual Spring Clinical Meeting (Joint Therapy-Diagnostic Symposium - SAM)) NONE	04/17/2021	SAM	2	
AAPM	2021 AAPM Virtual Spring Clinical Meeting		Project Management - Making Better Leaders-(2021 AAPM Virtual Spring Clinical Meeting (Professional Symposium - SAM)) NONE	04/17/2021	SAM	2	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Physics Radiation Dose: Part I In Joint Sponsorship with the American Association of Physicists in Medicine Diagnostic Radiology None	12/04/2020	MPCEC	0.75	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Hot Topic Session: Department Readiness for Disasters-Lessons Learned from COVID Diagnostic Radiology None	12/03/2020	MPCEC	1	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Essentials of Breast Imaging Diagnostic Radiology Mammography	12/02/2020	MPCEC	1	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Practical Aspects of MR Diagnostic Radiology None	12/02/2020	MPCEC	1	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Case-based Review of Musculoskeletal Radiology Diagnostic Radiology None	12/01/2020	MPCEC	0.75	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Molecular Imaging Oncology - Diagnostics and Therapeutics Diagnostic Radiology None	12/01/2020	MPCEC	0.75	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: A Symptom-based Approach to Head and Neck Pathology Diagnostic Radiology None	12/01/2020	MPCEC	1	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: BOOST: Head and Neck-Case-based Multidisciplinary Review Radiotherapy None	11/30/2020	MPCEC	1	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Controversy Session: To Look or Not to Look-Does Every Woman with Newly Diagnosed Breast Cancer Need Axillary Imaging Diagnostic Radiology Mammography	11/30/2020	MPCEC	1	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Physics SpectralDual Energy CT: Part I In Joint Sponsorship with the American Association of Physicists in Medicine Diagnostic Radiology None	11/30/2020	MPCEC	0.5	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Case-based Review of Nuclear Medicine: PETCT Workshop-Head and Neck In Conjunction with SNMMI Nuclear Medicine PET	11/29/2020	MPCEC	1	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Essentials of Pediatric Imaging Diagnostic Radiology None	11/29/2020	MPCEC	1	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Cardiac CT Mentored Case Review: Part I In Conjunction with the North American Society for Cardiovascular Imaging Diagnostic Radiology None	11/29/2020	MPCEC	1	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Rapid Fire: Physics Imaging Modalities, Image Analysis, Others: Part II In Joint Sponsorship with the American Association of Physicists in Medicine Radiotherapy None	11/29/2020	MPCEC	0.75	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Physics Imaging Systems In Joint Sponsorship with the American Association of Physicists in Medicine Diagnostic Radiology None	11/29/2020	MPCEC	0.5	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Science Session with Keynote: Physics Radiotherapy, Nuclear Medicine, Others In Joint Sponsorship with the American Association of Physicists in Medicine Diagnostic Radiology None	11/29/2020	MPCEC	0.75	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Radiation Oncology Radionics Diagnostic Radiology None	11/29/2020	MPCEC	0.5	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Breast Imaging DBT and CESM Diagnostic Radiology Mammography	11/29/2020	MPCEC	0.75	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Rapid Fire: Physics Imaging Modalities, Image Analysis, Others: Part I In Joint Sponsorship with the American Association of Physicists in Medicine Radiotherapy None	11/29/2020	MPCEC	0.75	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Opening Session and President's Address None	11/29/2020	MPCEC	1.25	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Artificial Intelligence: Beyond Interpretive Considerations Diagnostic Radiology None	11/29/2020	MPCEC	0.75	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: Shoulder Imaging in Athletes Diagnostic Radiology None	11/29/2020	MPCEC	1	
RSNA	2020 RSNA Annual Meeting "Virtual"		2020 RSNA Annual Meeting "Virtual: AAPMRSNA Physics Tutorial Session 1 General Medical Physics None	11/29/2020	MPCEC	1	
AAPM	2020 Joint AAPM COMP Virtual Meeting		Joint EFOMP AAPM Symposium: Total Body PET: The Ultimate Molecular Imaging Tool-(2020 Joint AAPM COMP Virtual Meeting (SAM Imaging Scientific Symposium)) NONE	07/16/2020	SAM	2	
AAPM COMP	2020 AAPM COMP Virtual Live Meeting		2020 AAPM COMP Virtual Live Meeting: Joint EFOMP AAPM Symposium: Total Body PET: The Ultimate Molecular Imaging Tool Nuclear Medicine PET	07/16/2020	MPCEC	2	
AAPM COMP	2020 AAPM COMP Virtual Live Meeting		2020 AAPM COMP Virtual Live Meeting: Spectral CT Imaging Diagnostic Radiology Computed Tomography	07/16/2020	MPCEC	1	
AAPM COMP	2020 AAPM COMP Virtual Live Meeting		2020 AAPM COMP Virtual Live Meeting: Quality Control for Imaging and Therapy General Medical Physics None	07/16/2020	MPCEC	1	
AAPM	2020 Joint AAPM COMP Virtual Meeting		Hot Topics in Breast MRI-(2020 Joint AAPM COMP Virtual Meeting (SAM Imaging Scientific Symposium)) NONE	07/15/2020	SAM	1	
AAPM	2020 Joint AAPM COMP Virtual Meeting		Fluoroscopic Dose Tracking: Trials, Tribulations, and Successes-(2020 Joint AAPM COMP Virtual Meeting (SAM Imaging Educational Course)) NONE	07/15/2020	SAM	2	
AAPM	2020 Joint AAPM COMP Virtual Meeting		Diagnostic Imaging and 100 mSv+ Doses-(2020 Joint AAPM COMP Virtual Meeting (SAM Imaging Educational Course)) NONE	07/15/2020	SAM	2	
AAPM	2020 Joint AAPM COMP Virtual Meeting		How Low Can CT Dose Go? Future Dose Reduction Technologies-(2020 Joint AAPM COMP Virtual Meeting (SAM Imaging Scientific Symposium)) NONE	07/15/2020	SAM	2	
AAPM COMP	2020 AAPM COMP Virtual Live Meeting		2020 AAPM COMP Virtual Live Meeting: Diagnostic Imaging and 100 mSv Doses Diagnostic Radiology Patient Safety	07/15/2020	MPCEC	1	
AAPM COMP	2020 AAPM COMP Virtual Live Meeting		2020 AAPM COMP Virtual Live Meeting: Hot Topics in Breast MRI Diagnostic Radiology Magnetic Resonance	07/15/2020	MPCEC	1	
AAPM COMP	2020 AAPM COMP Virtual Live Meeting		2020 AAPM COMP Virtual Live Meeting: How Low Can CT Dose Go Future Dose Reduction Technologies Diagnostic Radiology Computed Tomography	07/15/2020	MPCEC	2	
AAPM COMP	2020 AAPM COMP Virtual Live Meeting		2020 AAPM COMP Virtual Live Meeting: Fluoroscopic Dose Tracking: Trials, Tribulations, and Successes Diagnostic Radiology Dosimetry	07/15/2020	MPCEC	2	
AAPM	2020 Joint AAPM COMP Virtual Meeting		Modern Mammography QC: Managing Quality Amidst a Mindset of Growth-(2020 Joint AAPM COMP Virtual Meeting (SAM Imaging Educational Course)) NONE	07/14/2020	SAM	1	
AAPM	2020 Joint AAPM COMP Virtual Meeting		Updates on Shielding Design for Diagnostic Medical Physicists-(2020 Joint AAPM COMP Virtual Meeting (SAM Imaging Educational Course)) NONE	07/14/2020	SAM	2	
AAPM	2020 Joint AAPM COMP Virtual Meeting		Advanced MR in Clinic-(2020 Joint AAPM COMP Virtual Meeting (SAM Imaging Educational Course)) NONE	07/14/2020	SAM	2	
AAPM	2020 Joint AAPM COMP Virtual Meeting		Stereotactic Breast Biopsy and Beyond: Principles and Radiologists Perspectives-(2020 Joint AAPM COMP Virtual Meeting (SAM Imaging Educational Course)) NONE	07/14/2020	SAM	1	
AAPM COMP	2020 AAPM COMP Virtual Live Meeting		2020 AAPM COMP Virtual Live Meeting: Modern Mammography QC: Managing Quality Amidst a Mindset of Growth Diagnostic Radiology Mammography	07/14/2020	MPCEC	1	
AAPM COMP	2020 AAPM COMP Virtual Live Meeting		2020 AAPM COMP Virtual Live Meeting: Mammography and Other Breast Imaging Diagnostic Radiology Mammography	07/14/2020	MPCEC	1	
AAPM COMP	2020 AAPM COMP Virtual Live Meeting		2020 AAPM COMP Virtual Live Meeting: Updates on Shielding Design for Diagnostic Medical Physicists Diagnostic Radiology None	07/14/2020	MPCEC	2	
AAPM COMP	2020 AAPM COMP Virtual Live Meeting		2020 AAPM COMP Virtual Live Meeting: Stereotactic Breast Biopsy and Beyond: Principles and Radiologists Perspectives Diagnostic Radiology Mammography	07/14/2020	MPCEC	1	
AAPM							

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.

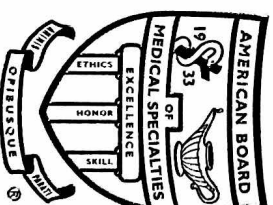
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Duke University

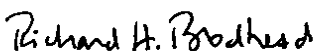
The Faculty and Trustees in recognition of
the successful completion of the course of study
required by the
Graduate School
have conferred on
Michael Alexander Pierquet
the degree of
Master of Science

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


Chairman of Board of Trustees


Dean




President of the University


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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
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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	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	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	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	Term Earned	10.000	

Graduate Career Earned	Cum	Cum Earned	40.000
GPA:	3.664		

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 Blark, University Registrar

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-hours. *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:

<u>1967-present</u>		<u>1930-1955</u>		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:

<u>Through Spring 2004</u>		<u>Summer 2004-present</u>	
E	Excellent	A+	4.0
G	Good	A	4.0
S	Satisfactory	A-	3.7
F	Failure	B+	3.3
P	Passing (Pass/Fail Course)	B	3.0
		F	0.0

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:

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

<u>1951-Fall 1971</u>		<u>Before 1951</u>	
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:

<u>Spring 1993-present</u>			
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:

<u>Fall 2004-present</u>	
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

<u>Numerical</u>		
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

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AMERICAN
BOARD OF
RADIOLOGY

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.