

PAVLINA PIKE, PhD, DABR**SUMMARY OF CLINICAL EXPERIENCE**

- CT: Annual performance testing, ACR accreditation, Protocol optimization, QC program establishment
- **Fluoroscopy: Annual performance testing, Staff training on dose reduction, Physician credentialing,**

Policy development for patient dose monitoring and follow up
- MRI – annual performance testing, ACR accreditation
- Mammography – annual performance testing
- SPECT – limited performance testing experience
- Ultrasound – semi-annual performance testing and ACR accreditation
- Shielding design – CT, interventional and radiographic units
- Radiation Safety – temporarily served as a Radiation Safety Officer for Huntsville Hospital System

CERTIFICATIONS AND LICENSES

Diagnostic Medical Physics by the American Board of Radiology 2013
MQSA current

EDUCATION

University of Alabama at Birmingham, Birmingham, AL

Postdoctoral Fellowship in Medical Physics 2011

University of Tennessee, Knoxville, TN

Doctor of Philosophy in Physics 2005

Master of Science in Physics 2001

PROFESSIONAL EXPERIENCE

Huntsville Hospital, Huntsville, AL

Medical Physicist, RSO 2011 – Present

- Design, implement, oversee, and review the quality assurance program of the hospital
 - Actively participates in helping accomplish optimal balance of diagnostic image quality and radiation dose in close collaboration with physicians, technologists, scientists, and technical staff
 - Evaluation of imaging performance, compliance with federal, state, local, and regulatory/accreditation agencies requirements.
 - Teach imaging Physics / Nuclear Medicine instrumentation to resident physicians and technologists
- University of Alabama, Birmingham, AL

Post-Doctoral Fellow in Diagnostic Imaging 2009 – 2011

... participate tests on a wide variety of imaging equipment

Participate in medical resident training

Participate in Imaging research

Middle Tennessee State University, Murfreesboro, TN

Assistant professor 2005 – 2008

- Teach problem solving and lab skills in Physics and Astronomy
- Provide and grades tests for evaluating students' progress
- Tutor and guide students who have difficulties with the material

University of Tennessee Space Institute, Tullahoma, TN

Graduate Research Assistant 1998 – 2005

- Participate in the ongoing research efforts
- Participate in proposal and paper writing
- Prepare the lab equipment for the experiments

PRESENTATIONS/PUBLICATIONS

- Pike P., Yester M., Barnes G., Pitch and Noise in Abdominal Multi-Detector CT, AAPM/COMP poster presentation, 2011.
- Pike P., Cellular Thermodynamics, In: Physics in Medicine and Biology, Splinter, R. (Editor), pp. 4-1 to 4-6, CRC Press, ISBN: 978-1-4200-7524-3
- Pike P., Parigger C. P., Splinter R., Temperature distribution in dental tissue after interaction with femto-second laser pulses, Appl. Opt., Vol. 46 (34), pp. 8374 - 8378
- Jeleva P., Parigger C. G., Buchanan J. W., Modeling the Action Potential Propagation in Human Myocardium in Three Dimensions, OISE, October 24-25, 2002.
- Antonov A. N., Dimitrova S. S., Stoitsov M. V., Van Neck D. and Jeleva P., Relationships Between Two-Particle Overlap Functions and the Two-Body Density Matrix for Many Fermion Systems, Phys. Rev. C, 59 (2), 722-725 (1999)

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COMMONWEALTH OF VIRGINIA

DEPARTMENT OF HEALTH

Office of Radiological Health

This is to acknowledge that

PAVLINA PIKE, Ph.D.

License Number: RH-135-17-491

PHYSICS ASSOCIATES, LLC

5346 PETERS CREEK ROAD, SUITE A3, ROANOKE, VA 24019

*has been approved to conduct the following type(s) of inspections
within the Commonwealth of Virginia*

Diagnostic, Mammography Inspections & Shielding Design

Date Issued: 03/02/17

Expiration Date: 3/1/2020



Assistant Director



**CABINET FOR HEALTH AND FAMILY SERVICES
DEPARTMENT FOR PUBLIC HEALTH**

Matthew G. Bevin
Governor

Division of Public Health Protection & Safety
Radiation Health Branch
275 East Main St. Mailstop HS1C-A
Frankfort, KY 40621
502-564-3700 Phone
502-564-1492 Fax
<http://chfs.ky.gov/dph/radiation.htm>

Vickie Yates Brown Glisson
Secretary

Hiram C. Polk, Jr., MD
Commissioner

February 13, 2017

Pavlina Pike, PhD, DABR
5346 Peters Creek Rd. #A3
Roanoke, VA 24019-3855

In all correspondence refer to: 8-03274

Dear Dr. Pike:

Your letter of request to perform the additional services as a "Qualified Expert" in the state of Kentucky has been received by this office. Following a review of your credentials and experience the Cabinet for Health and Family Services has determined that you may perform services in the following specific categories.

- C. General radiation safety surveys and broad health physics services.**
- D. Conducting Mammography Facility Surveys and provide oversight of the quality assurance program.**

Please note that a certificate will be arriving in the mail shortly.

Thank you for your cooperation in this matter. If you have any questions regarding this approval, I may be contacted at 502-564-3700.

Sincerely,

A handwritten signature in blue ink, appearing to read "Robert Gresham".

Robert Gresham, Supervisor
Radiation Producing Machines Section

NOTICE OF REGISTRATION

Pavlina Pike

5346 Peters Creek Rd, #A3
Roanoke, VA 24019

Registration Number

997462

- MQSA Medical Physicist
- Radiation Machine Evaluation

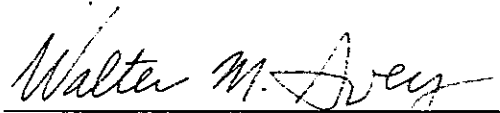
**West Virginia Department of Health and Human Resources
Bureau for Public Health
Office of Environmental Health Services
Radiological Health Program
[64-CSR-23]**

2/21/2020

Registration Expiration

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Activities conducted under the authority of this registration must comply with the Radiological Health Rule, West Virginia Code of State Regulations, Title 64, Series 23



Walter M. Ivey, Director
Office of Environmental Health Services