

Erin Leigh France

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Certification

American Board of Radiology: Board Eligible, passed part 1 of ABR Exam

MQSA: Qualified for FFDM, DBT, and Stereotactic

Professional and Clinical Experience

University of Oklahoma Health Sciences Center
Diagnostic Imaging Physics Residency Program (CAMPEP Accredited)
Resident

Oklahoma City, OK
07/2016 – current

- Experience:
 - Received clinical and didactic training in all major diagnostic imaging modalities
 - Scheduled, performed, and report results for annual, acceptance, and repair inspections
 - Managed work between multiple sites on campus and throughout metro area
 - Performed ACR annual testing on MRI
 - Performed ACR Accreditation on CT (1 accredited, with 2 in progress)
 - Performed shielding design calculations for new room in accordance with NCRP 147
 - Performed shielding thickness and integrity checks for existing shielded rooms
 - Trained incoming resident and graduate students in clinical techniques
 - Managed graduate student clinical work schedule
 - Developed an MRI protocol for brachial plexus trauma, which is currently in use
 - Planned and executed graduate student clinical labs with faculty
 - Evaluated and compared radiation measurement equipment between vendors
 - Shadowed radiologists of various specialties to understand room use
- Clinical Inspections (950+ hours):
 - Mammography: Hologic (10 Selenia Dimensions, 3 Selenia), Site QC (4 Inspections), Workstations, Printer
 - Stereotactic: Hologic, Mammatome
 - MRI: Philips, GE (3 Accepted)
 - Breast MRI: Aurora
 - CT: Philips, Siemens, GE (2 Accepted)
 - CBCT: Varian OBI, CPI Proton OBI
 - Interventional: Philips, GE, Siemens (1 Accepted)
 - Fluoroscopy: Domier Medtech, GE, Omega, Philips, Siemens, Ziehm (8 Accepted)
 - Radiographic: Amrad, Carestream, Fuji, GE, Philips, Quantum, Sedecal, Summit Industries (6 Accepted)
 - DR: Philips, GE Fuji, Carestream, Konica (6 Accepted)
 - CR: Konica
 - O-arm: Medtronic (1 Accepted)
 - Bone Density: GE, Hologic
 - Dental: Planmeca
 - Pano Dental: Planmeca
 - Digital Biopsy: Faxitron
 - Shielding: Design, Integrity and Thickness Checks
 - Lead Apparel: Aprons, Vests, Kilts, Thyroids, Caps, Glasses, Gonadal, Shoulder

University of Oklahoma Health Sciences Center
Department of Radiological Sciences
Graduate Assistant

Oklahoma City, OK
08/2013 – 08/2015

- Participated in Annual QA Testing on CR Readers, C-arms, Mini C-arms, Radiographic Units, Portable Radiographic Units, and Radiography/Fluoroscopy Units
- Completed annual safety inspections of lead aprons, thyroid, vests, kilts, etc.
- Assisted with new protocol setup for MRI
- Spoke with vendors, radiologists, and technicians over MRI image quality improvement

University of Oklahoma Health Sciences Center Oklahoma City, OK
Radiation Safety Office 08/2013 – 08/2014
Graduate Assistant

- Performed quarterly lab audits, lab decommissions, GM survey meter calibrations, and radioactive waste pickup from labs
- Assisted with cleanup of contaminated areas or items

Firelake Discount Foods Shawnee, OK
Cashier 05/2013 – 08/2013

YMCA Day Camp Shawnee, OK
Camp Counselor 05/2010 – 08/2010

Education

University of Oklahoma Health Sciences Center Oklahoma City, OK
CAMPEP Accredited 08/2013 – 05/2016
Masters of Science in Medical Physics

Cameron University Lawton, OK
Bachelors of Science in Physics 08/2009 – 05/2013

Professional Memberships

American Association of Physicists in Medicine 01/2014 – current

Phi Kappa Phi (National Honor Society) Inducted 05/2011

Pi Mu Epsilon (Mathematics Honor Society) Inducted 05/2011

Sigma Pi Sigma (Physics Honor Society) Inducted 05/2011

Research Experience

University of Oklahoma Health Sciences Center Oklahoma City, OK
Department of Radiological Sciences 06/2014 – current

Thesis Title: *Medical Physics Approach to Quality Improvement of Brachial Plexus MRI Scans*

- Developed an MRI protocol for brachial plexus trauma, based on information from papers and radiologists
- Tested the new protocol on healthy volunteers
- Protocol currently in use at sites

Indiana University REU Bloomington, IN
Center for Exploration of Energy and Matter 05/2012 – 07/2012

Development of a GEM-based Imaging Detector for Small Field Dosimetry in Proton Therapy Beams

- Developed a double gas electron multiplier (GEM) dose imaging detector with the optical readout of scintillation light using a charge-coupled (CCD) camera
- Tested the dose rate response, response reproducibility, and detector spatial response

Texas A&M University REU College Station, TX
Cyclotron Institute 06/2011 – 08/2011

Optimization of a Scintillator for the Measurement of Positrons from Trapped, Polarized 37-K

- Optimized the readout of a scintillator by wrapping the front face and sides of the scintillator and light guide with various reflective materials to find which maximized the light output
- Tested the position dependence of the detector by moving a collimated source of betas across the front face

References

Available upon request