

Luke Maj MD MHA

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Medical Experience:

University of Miami Miller School of Medicine 2016 to Present	Assistant Professor of Radiology
Veinishing, PA August 2014 to Present	President
Soffer Vein Experts August 2014 to April 2015	Interventional Radiologist / Phlebologist
Physicians Imaging and Vein Care Clinic; El Paso, TX June 2013 to May 2014	Interventional Radiologist / Phlebologist
Thomas Jefferson University; Philadelphia, PA July 2012 to June 2013	MSK/Neuro Radiologist
Mt. Sinai Hospital; Chicago IL July 2011 to June 2013	Diagnostic/Interventional Radiologist
University of Illinois at Chicago, Mercy Hospital, VA Hospital; Chicago, IL July 2008 to June 2012	Radiology Residency
Michael Reese Hospital; Chicago, IL July 2007 to June 2008	Internal Medicine Internship

Relevant Employment Experience:

Pediatric Orthopedics PC, Overlook Hospital; Summit, NJ Aug 1999 to June 2003	Medical Office Records Manager
Argonne National Laboratory; Lemont, IL Summers of 2000, 2001, 2002	Structural Biologist

Education:

• MD:	Northeast Ohio Medical University	School of Medicine	Graduated May 2007
• MHA:	St. Joseph's College of Maine; Standish ME	Healthcare Administration	Graduated June 2010
• BS:	Fairleigh Dickinson University, Madison; NJ	Biology	Graduated Jun 2003

Licensing/Board Certification:

- Board Certified by The American Board of Radiology
- Medical License: Illinois, Pennsylvania, Texas, Florida, Nevada
- USMLE Certified

Publications:

- Hip Infection and Inflammation. *MRI Clinics of North America*. 2013; 21(1): 127-139.
- Factors leading to radiology career selection. Results of the 2004 National Physician Survey. *Canadian Association of Radiologists Journal* 2006; 57(3):175-178.
- Streptococcus Pneumonia at 1.35 Å shows a putative new fold. *Acta Crystallographica Section D*. 2001; 57(11):1747-1751.

Presentations/Posters:

- **New Cardiovascular Horizons, 2016**
Invasive Imaging of the Deep Venous System
- **Art Of Microphlebology, 2016, 2017**
Deep Venous Interventions
- **Innovations, 2015**
Tumescent Infiltration Needle
- **Radiology Society of North America Annual Meeting, 2007.**
How and Why to Perform Contrast-enhanced Ultrasound of Abdominal Radiofrequency Ablation.
- **Association of University Radiologists, 2008.**
Enhancing Partnership in Patient Care: Multicenter Internal Medicine's Evaluation of Radiology Services, Including NightHawk.

- **Association of University Radiologists, 2008.**
Progression of Untreated Squamous Cell Carcinoma of the Head and Neck.
- **Association of University Radiologists, 2006.**
Evaluation of Mediastinal Lymph Nodes by FDG PET: Correlation with Pathology.
- **Annual Denver X-ray Conference, 2006.**
Stress Mitigation of X-ray Beamline Monochromators Using Topography Test Unit.
- **Evidence Based Research Symposium, NEOUCOM; 2006.**
The Use of Virtual Colonoscopy vs. Optical Colonoscopy in Screening of Colon Cancer.
- **Forum Northside Medical Center Research Symposium, Youngstown, OH; 2006.**
Radiographic Findings in Common Pediatric Diseases.
- **Grand Rounds, Michael Reese Hospital, 2008.**
Lines, Tubes, and Foreign Objects; Where are they and where should they be?
- **Grand Rounds, Michael Reese Hospital, 2007.**
Introduction to Common Chest X-ray Findings for the Medicine Intern.

Research/Professional Experience:

- **Principal Investigator:** Tumescence infiltration needle in decreased procedure time and pain to patient. Veinishing, PA.
- **Principal Investigator:** Factors for preparation of foam for sclerotherapy in improvement of foam stability. Veinishing, PA
- **Research Assistant:** Effects of iodinated contrast and field strength on gadolinium enhancement in direct MR arthrography. Thomas Jefferson University.
- **Research Assistant:** Limb salvage via catheter-directed thrombolysis: A retrospective study of a single institutional experience of 300 procedures. University of Illinois Medical Center.
- **Research Assistant:** Percutaneous transcolonic biopsy of biliary strictures and lesions; trials, experiences, complications and successes. Chicago Mercy Hospital.
- **Research Assistant:** Central catheter and chest port high pressure bench trials; what are the maximum pressures and modes of failure in designated power catheters? Chicago Mercy Hospital.
- **Research Assistant:** Fundamental, compounding, computer enhanced, and compounding with computer enhancement techniques in ultrasound of the breast. Southwoods Radiology; Youngstown, OH. Jan 2006 – June 2006
- **Research Assistant:** Hip Infection and Inflammation: Current and evolving imaging techniques and findings. Thomas Jefferson University, July 2012 to Oct 2012.
- **Research Assistant:** How and why to perform contrast-enhanced ultrasound of abdominal radiofrequency ablation. Southwoods Radiology; Youngstown, OH. Jan 2006 – June 2007
- **Research Assistant:** Comparison of multiple sclerosis lesion load and enhancement at 0.2T and 1.5T magnetic resonance imaging. Southwoods Radiology; Youngstown, OH. Oct 2005 - Jan 2006
- **Research Assistant:** Reduction of the Secondary Electron Problem on Accelerator Components. Argonne National Laboratory, Advanced Photon Source; Argonne, IL. Vacuum Technology & Coating, 2001;20:40-43.
- **Research Assistant:** Stress mitigation of X-ray beamline monochromators using topography test unit. Argonne National Laboratory, Advanced Photon Source; Argonne, IL. Oct 2005 – Aug 2006
- **Research Assistant:** Protein crystallography of RNA-binding protein of Streptococcus Pneumonia. Argonne National Laboratory, Structural Biology Division; Argonne IL. May – Aug 2000.
- **Research Assistant:** Protein crystallography of Superoxide Dismutase variant found in Amyotrophic Lateral Sclerosis. Argonne National Laboratory, Structural Biology Division; Argonne IL. Summers of May – August 2001 and 2002.
- **Research Assistant:** Fairleigh Dickinson University, Department of Chemistry, Madison, NJ. Challenging reactants of oscillating reactions. Oct 1999 – May 2000.
- **Instructor:** University of Illinois at Chicago College of Medicine Medical Student Practicum. 12/2008 to 5/2009.
- **Mentor:** Advising medical students in radiology career. Discussion of personal career goals and avenues in obtaining residency positions; UIC.
- **Relevant Volunteer activity:** Pulmonary Fibrosis Foundation, Rush Presbyterian St Luke's Medical Center, Habitat for Humanity First Aid, Cayman Islands Health Days, CHAMPS – Men's Promotion Summit, Portage County Youth Day, Leadership in Portage County, Our Lady of the Elms Science Fair Expo Volunteer and Judge.

Patents:

- Tumescence Infiltration Needle (US Patent 62/163,224)
- Magnetic Transmission (Cosponsor: US Patent 20110109182).
- Electromagnetic Wave Heating and Thawing Machine (Patent Pending US09/184660).
- A Curved Shape Mirror for Safety Application in Motor Vehicle Use (Patent Pending US09/488944).

Languages:

- Fluent in Polish language.
- Studies abroad: Poland, Germany, United Kingdom, Mexico and Cayman Islands (BWI).