

SEYED AMIN ASTANI

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EDUCATION

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| Vascular and Interventional Radiology Fellowship , William Beaumont Hospital Oakland University, Royal Oak, MI | 2016 |
| Radiology Residency , Henry Ford Hospital, Detroit, MI | 2015 |
| Internal Medicine (transitional year), Henry Ford Hospital, Detroit, MI | 2011 |
| Doctor of Medicine , University of Minnesota Medical School, Minneapolis, MN | 2010 |
| Master of Business Administration , Illinois Institute of Technology, Chicago, IL | 2007 |
| <ul style="list-style-type: none">Honors: Academic Distinction | |
| Bachelor of Science , University of Minnesota, St. Paul, MN | 2005 |
| <ul style="list-style-type: none">Major: Biology; Distinguished Honor | |

CERTIFICATES

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| Board Certification in Diagnostic Radiology , American Board of Radiology | October 2016 |
| Certificate of Leadership Proficiency , Radiology Leadership Institute | January 2016 |
| Certificate of Advanced Training in Women's Imaging , Henry Ford Hospital, Department of Radiology | July 2015 |
| Certificate of Leadership Fundamentals , Radiology Leadership Institute | March 2015 |
| Certificate of Advanced Training in Breast Imaging , Henry Ford Hospital, Department of Radiology | January 2015 |
| Certificate of Achievement , Academy of Radiology Leadership and Management | June 2014 |
| Certificate of Teaching in Diagnostic Radiology, in recognition of completion of ACE-AMSER-APDR lecture series for LCME (ED-24) | March 2014 |

HONORS, AWARDS, AND CERTIFICATES

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| William R Eyler MD Trophy , the Most Outstanding Graduating Resident, Henry Ford Hospital, Department of Radiology | June 2015 |
| Outstanding Resident Award , nominee, Henry Ford Hospital | May 2015 |

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| Outstanding Resident Researcher , Karen J Stuck MD. Memorial Award, Henry Ford Hospital, Department of Radiology | March 2015 |
| Certificate of Merits , American Roentgen Ray Society 114th Annual Meeting <ul style="list-style-type: none"> • McGill K, Astani SA, Schwartz SE. Percutaneous Irreversible Eletroporation. | May 2014 |
| First Prize in the Michigan State Medical Society Annual Research Competition <ul style="list-style-type: none"> • Detection of Pulmonary Embolism During Pregnancy: Comparing Radiation Dose of CTPA and Pulmonary Scintigraphy | October 2013 |
| Resident of the Year , Howard Doub, M.D. Cup, Henry Ford Hospital, Department of Radiology | June 2012 |
| Intern of the Month , Department of Internal Medicine, Henry Ford Hospital | July 2010 |
| Medical School Certificate of Honors for outstanding academic performance | 2006 – 2007 |
| Stuart Investments' David Algar Award for optimizing search for high growth opportunities and stocks | November 2006 |
| Dean's List , University of Minnesota | 2003 – 2005 |
| Best Abstract Award , 2nd National Symposium on Biological Sciences and Biotechnology, Iran <ul style="list-style-type: none"> • Astani SA, Davoudi A, Allameh F. An innovative method of teaching biological sciences | May 2003 |

WORK EXPERIENCE

Interventional Radiologist

Metropolitan Advanced Radiological Services, Greater Chicago area

- Weiss Memorial Hospital
- MacNeal Hospital
- West Suburban Medical Center
- Westlake Hospital

2016 – present

2014 – present

Radiologist, Locum Tenens

Jackson Radiology Consultants, Allegiance Health, Jackson, MI

Project Manager

Curriculum for Biological Sciences, Gozine 2 Educational Institute, Tehran, Iran

- Innovated an interactive, multimedia method of teaching biology to enhance learning techniques
- Managed group of 5 designing the class curriculum, related slideshows, and ancillaries for 50 sessions

2002 – 2009

LEADERSHIP EXPERIENCE

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| Division Head of Breast Imaging | 2016 – 2017 |
| West Suburban Hospital and River Forest Breast Clinic, Oak Park, IL | |
| <ul style="list-style-type: none"> • Successfully navigated the breast clinic through National Accreditation Program for Breast Centers (NAPBC) certification • Launched a clinic for assessment of high risk breast cancer patients • Initiated breast MRI screening initiative | |
| Committee Member | 2012 – 2015 |
| Quality Assurance Committee, Department of Radiology, Henry Ford Hospital, Detroit, MI | |
| Course Director | 2012 – 2015 |
| Radiologic Pathology (RDT 4400), Wayne State University, Detroit, MI | |
| Cross Sectional Anatomy (RDT 3800), Wayne State University, Detroit, MI | |
| Course Co-Director | 2012 – 2015 |
| Longitudinal 3rd year medical student radiology curriculum, Henry Ford Hospital, Detroit, MI | |
| <ul style="list-style-type: none"> • Designed curriculum and course contents for series of radiology lectures for 3rd year medical students with emphasis on core competencies • Supervised and managed scheduling of 9 lecturers delivering the course | |
| Committee Member | 2011 – 2013 |
| Interventional Radiology Lean Project, Henry Ford Hospital, Detroit, MI | |
| <ul style="list-style-type: none"> • Applied Lean Methodology to improve Division of Interventional Radiology operations • Implemented a culture of continuous improvement | |
| Sector Leader | 2005 – 2006 |
| Stuart Investment, Illinois Institute of Technology, Chicago, IL | |
| <ul style="list-style-type: none"> • Led the healthcare sector of Stuart Investment, which consisted of 3-8 equity securities analysts • Screened, evaluated, and monitored the healthcare equity securities | |

TEACHING EXPERIENCE

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| Lecturer of Radiology & Curriculum Developer , 3rd year medical student clinical rotations, Detroit, MI | 2012 – 2015 |
| Instructor , Cross Sectional Anatomy (RDT 3800), Wayne State University, Detroit | 2012 – 2015 |
| Instructor , Radiographic Pathology (RDT 4400), Wayne State University, Detroit | 2012 – 2015 |
| Lecturer of Radiology , Patient Evaluation II (PAS 7050), Wayne State University, Detroit, MI | Fall 2014 |

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| Instructor , medical student elective radiology rotation, Henry Ford Hospital, Detroit | 2012 – 2013 |
| Tutor & Advisor , physiology and neuroscience, University of Minnesota Medical School, Minneapolis, MN | 2007 – 2008 |
| Teacher , Persian language and culture and religious studies, Irshad Learning Center, Chicago, IL | 2005 – 2006 |
| Undergraduate Tutor , physics, calculus, chemistry, biology, and physiology, University of Minnesota | 2004 – 2005 |
| Tutor , elementary school mathematics and literacy, Inner Grove Height, MN | Spring 2005 |
| Teaching Assistant , University of Minnesota Chemistry Department, Minneapolis | Fall 2004 |

RESEARCH EXPERIENCE

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| Research Assistant , Henry Ford Hospital, Detroit, MI Risk of Infection After Elective Spinal Punctures | 2012 – 2014 |
| Principle Investigator , Henry Ford Hospital, Detroit, MI Cost and reimbursement analysis of various percutaneous ablation procedures | 2012 – 2013 |
| Research Assistant , Henry Ford Hospital, Detroit, MI Patient throughput and process improvement in interventional radiology suit | 2012 – 2013 |
| Primary Investigator , Henry Ford Hospital, Detroit, MI Cost allocation of radiology ancillary services allocation among various departments and hospitals | 2011 – 2012 |
| Research Assistant , University of Minnesota, Department of Radiology, Minneapolis Imaging post-EVAR, what is necessary? | 2009 – 2010 |
| Research Assistant , University of Minnesota, Department of Medicine, Minneapolis Transitioning to electronic health record system | Fall 2007 |
| Undergraduate Research Associate , University of Minnesota, Department of Neuroscience, Minneapolis Effects of aldosterone and urocortin on thalamic mast cell population | 2004 – 2005 |

MEMBERSHIPS

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| Society of Breast Imaging | since 2014 |
| Radiologic Society of North America (RSNA) | since 2012 |
| Society of Interventional Radiology (SIR) | since 2012 |
| American College of Radiology (ACR) | since 2010 |
| Beta Gamma Sigma, Honor Society of Collegiate Business Programs | since 2008 |
| American Medical Association (AMA) | since 2007 |

PUBLICATIONS

1. **Astani SA**, Joshaghani H, Ghasemi S, Kirsch M., Relevance of Medical Training to Medical Practice, A Multi Institution Survey of Physicians. [submitted], October 2016.
2. Varkey J, **Astani SA**, Pantelic M, Dalal I. Rare case of angiosarcoma of the adrenal gland seen with multiple modalities. [accepted to Applied Radiology], May 2015
3. Rodriguez E, **Astani SA**, Silva J. Giant splenic pseudocyst as a possible cause of hypertension. [accepted], April 2015
4. Everett, JC, **Astani SA**, Myers DL, Sloughed fibroid after uterine artery embolization on magnetic resonance imaging. Case in Point, American College of Radiology. [accepted] March 2015
5. Shaikh S., McGill K, **Astani SA**, Schwartz SE. Evidence Based Comparisons of Percutaneous Ablation Techniques. Journal of Vascular and Interventional Radiology. 2015;26(1 Supplement):e-28-29
6. **Astani SA**, Brown ML, Steusloff K. Comparison of procedure cost of various percutaneous tumor ablation modalities; Radiology Management. July-August 2014; 36(4): 12-19
7. **Astani SA**, Davis LC, Harkness BA, Supanich MP, Dalal I. Detection of Pulmonary Embolism During Pregnancy: Comparing Radiation Dose of CTPA and Pulmonary Scintigraphy. Nuclear Medicine Communications. July 2014; 35(7):704-11
8. **Astani SA**, Brown ML, Getzen T, Steusloff K. Research Abstract No. 430 - Comparison of procedure cost of various percutaneous tumor ablation modalities: microwave ablation, radiofrequency ablation, cryoablation, and irreversible electroporation. Journal of Vascular and Interventional Radiology. 2014;25(3 Supplement):S187.
9. Essenmacher AC, **Astani SA**, SpizarnyDL. Silicone Pneumonitis. Case in Point, American College of Radiology. February 6, 2014.
10. Sattar A, **Astani SA**, Schwartz S, et al. Educational Abstract No. 368 - Portal vein interventions. Journal of Vascular and Interventional Radiology. 2013;24(4 Supplement):S158.
11. Essenmacher AC, **Astani SA**. Respiratory disease following illicit injection of silicone: a case report. Case Reports in Medicine. July 2013; 2013(4):1-3.
12. Keyvan M, **Astani SA**. Pre-university mathematics: statistics, probability, integration. Review and practice. Iran: Soroush Press; 2001.

PRESENTATIONS

National and International

1. **Astani SA**, McGill K, Schwartz SE. Comparing Percutaneous Tumor Ablation Modalities: Microwave Ablation, Radiofrequency Ablation, Cryoablation, and Irreversible Electroporation. Poster presented at the Radiological Society of North America 100th Scientific Assembly and Annual Meeting; November 2014; Chicago, IL.

2. McGill K, **Astani SA**, Schwartz SE. Percutaneous Irreversible Electroporation. Poster presented at the American Roentgen Ray Society 114th Annual Meeting; May 4-9, 2014; San Diego, CA; Certificate of Merits.
3. **Astani SA**, Davis LC, Poopat C. Effect of decreased scan length on radiation exposure to the pregnant patient and fetus during CT pulmonary angiography. Poster presented at the American Roentgen Ray Society 114th Annual Meeting; May 4-9, 2014; San Diego, CA.
4. McGill K, **Astani SA**, Schwartz SE. Hot versus Cold Thermal Ablation. Poster presented at the American College of Radiology Annual Meeting and Chapter Leadership Conference; April 26-30, 2014; Washington, DC.
5. McGill K, **Astani SA**, Schwartz SE. Choosing a thermal ablation technique: microwave versus radiofrequency ablation. Poster presented at the Radiological Society of North America 99th Scientific Assembly and Annual Meeting; December 1-6, 2013; Chicago, IL.
6. **Astani SA**, McGill K, Schwartz SE. Percutaneous irreversible electroporation: do we really need another ablation technique? Poster presented at the Radiological Society of North America 99th Scientific Assembly and Annual Meeting; December 1-6, 2013; Chicago, IL.
7. Kolicaj N, **Astani SA**, Sturza SG. Liver transplant anastomoses: what every radiologist needs to know. Poster presented at the Radiological Society of North America 99th Scientific Assembly and Annual Meeting; December 1-6, 2013; Chicago, IL.
8. **Astani SA**, McGill K, Schwartz S. A review of microwave ablation. Poster presented at the American College of Radiology Annual Meeting and Chapter Leadership Conference; May 4-8, 2013; Washington, DC.
9. **Astani SA**, Davis LC, Dalal I., Supanich M, Harkness BA. Detection of pulmonary embolism during pregnancy: comparing radiation dose of chest CT angiography to pulmonary scintigraphy. Oral presentation presented at the Association of University Radiologist 61st Annual Meeting; April 9-12, 2013; Los Angeles, CA.
10. **Astani SA**, Davoudi A, Allameh F. An innovative method of teaching biological sciences. Oral presentation at the 2nd National Symposium on Biological Sciences and Biotechnology; May 27-29, 2003; Babol, Iran.

Local and Regional

1. **Astani SA**, Joshaghani H, Kirsch M., Relevance of Medical Training to Medical Practice, A Multi Institution Survey of Physicians. Poster presentation at the Annual Beaumont Research Forum; May 24, 2016; Royal Oak, MI.
2. Kirsch M, Ciacci, J, Dixit P, Gryzenia P, Handel J, May A, Savin M, Vartanian A, **Astani SA**, Olsen J, 2016 Interventional Radiology Symposium for Medical Students, William Beaumont Hospital, March 19, 2016
3. **Astani SA**, Shaikh S., Schwartz SE. Comparison of common percutaneous ablation techniques. What every resident needs to know. Poster presentation at the 18th Annual Michigan Radiological Society Resident Conference and Research Forum; February 5, 2015; Novi, MI.

4. **Astani SA**, Poopat C. Quantifying radiation dose saving through decreasing the Z length during CT pulmonary angiography. Poster presentation at the 18th Annual Michigan Radiological Society Resident Conference and Research Forum; February 5, 2015; Novi, MI.
5. Riaz R, **Astani SA**, Dalal I. Lymphoscintigraphy and lymphocutaneous fistulas. Poster presented at the 21st Henry Ford Hospital Research Symposium; February 7, 2014; Detroit, MI.
6. Kolicaj N, **Astani SA**, Sturza SG. Comparing various liver transplant techniques and anastomoses from a radiologist point of view. Poster presented at the 17th Annual Michigan Radiological Society Resident Conference and Research Forum; January 24, 2014; Novi, MI.
7. Davis LC, **Astani SA**, Dalal I., Harkness BA. Detection of Pulmonary Embolism During Pregnancy: Comparing Radiation Dose of CTPA and Pulmonary Scintigraphy. Oral presentation at the Michigan State Medical Society Annual Meeting, October 22-26, 2013; Troy, MI. First research abstract prize.
8. **Astani SA**, Davis LC, Harkness BA, Dalal I. Radiation Dosimetry in detection of pulmonary embolism during pregnancy: comparing chest CT angiography to pulmonary scintigraphy. Oral presentation presented at the Henry Ford Hospital Research Symposium, February 1, 2013; Detroit, MI.
9. Kelly M, **Astani SA**, Jain R, Patel S. Madelung's disease: report of a case and review of the literature. Poster presented at the 18th Henry Ford Hospital Research Symposium; January 2011; Detroit, MI.
10. **Astani SA**, Noble A, Collins T. Drinking enough milk to cause confusion: case report abstract. Poster presented at the American College of Physicians Minnesota Chapter Annual Meeting; October 2009; Rochester, MN.
11. **Astani SA**, Noble A, Collins T. The ever-expanding liver of amyloid: case report abstract. Poster presented at the American College of Physicians Minnesota Chapter Annual Meeting; October 2009; Rochester, MN.
12. **Astani SA**, McKinney A. Electronic health record system University Medical Center. Poster presented at the University of Minnesota Medical School Poster Day; April 2008; Minneapolis, MN.