

CURRICULUM VITAE

Alireza Zarrabi, M.D.

Education and Training

- **Doctoral (M.D.)**

1988-1995 Shahid Beheshti University of Medical Sciences (SBUMS), Tehran, Iran

- **Postdoctoral**

2004-2007 Postdoctoral Fellowship, Cardiovascular Imaging, Texas Heart Institute, Houston, Texas

2009-2010 Internship, MedStar Harbor Hospital, Baltimore, Maryland

2010-2012 Residency, Internal Medicine, MedStar Harbor Hospital, Baltimore, Maryland

2011-2012 Chief Medical Resident, MedStar Harbor Hospital, Baltimore, Maryland

Professional Experience

5/2022-Present Attending Physician, NeuroGrow Brain Fitness Center, McLean, Virginia

10/2020-5/2022 Attending Physician, Primary Medicine, Baltimore, Maryland

10/2017-10/2020 Attending Physician, Baltimore Sleep and Wellness Center, Baltimore, Maryland

09/2012-10/2017 Attending Physician, Department of Acute Care Services
Clinical Decision Unit, South Baltimore County Medical Center, Mid-Atlantic Permanente Medical Group, Kaiser Permanente

- 08/2013-10/2017 Consultant, Trailblazer, Innovation Engine, Mid-Atlantic Permanente Medical Group, Kaiser Permanente
- 01/2016-10/2017 Telemedicine Physician Lead, Baltimore Service Area, Mid-Atlantic Permanente Medical Group, Kaiser Permanente
- 2007-2009 Physician Assistant, Texas Heart Institute, Houston, Texas
- 2004-2007 Postdoctoral Fellowship, Cardiovascular Imaging, Texas Heart Institute, Houston, Texas
- 2001-2005 Instructor in Medicine, University of Texas Houston Health Science Center
- 1997-2001 Executive Assistant to the Director for Research, Endocrine Research Center (ERC), SBUMS, Tehran, Iran
- 1995-1997 Hospitalist, Tafresh General Hospital, Tafresh, Iran

Educational Program/Committee Leadership

- 2012 Lecturer, Innovation and Medical Education, National Workshop for IM Chief Residents, Association of Program Director of Internal Medicine, Atlanta, Georgia
- 2010-2012 Consultant, Heart Failure Readmission Task Force Committee, MedStar Harbor Hospital, Baltimore, Maryland
- 2010-2012 Lead Physician, Patient Education Improvement, Heart Failure Readmission, MedStar Harbor Hospital, Baltimore, Maryland
- 2010-2012 Advisor, Electronic Medical Record Transition Committee, MedStar Harbor Hospital, Baltimore, Maryland
- 2011-2012 Co-Chair, Chief Residents Association of Baltimore, American College of Physicians

Clinical Instruction

2009-2012 ECG Teaching Course for Third Year Medical Students and Interns, Internal Medicine Core, MedStar Harbor Hospital, Baltimore, Maryland

Awards

2012 T. S. Hsu Director's Award for the Best Performance among All House Staff, MedStar Harbor Hospital, Baltimore, Maryland

2015 Top Doctors, Internal Medicine/Hospitalist, Baltimore Magazine

2016 Top Doctors, Internal Medicine/Hospitalist, Baltimore Magazine

2013-2016 Highest Rating Physician in Patient Satisfaction Survey, Department of Acute Care Services, Baltimore Service Area, Mid-Atlantic Permanente Medical Group, Kaiser Permanente

RESEARCH ACTIVITIES

Articles:

1. Min Z, **Zarrabi A**, Woldesenbet A, Williams RB Purple ear and retiform purpura. Intern Emerg Med. 2014 Jun; 9(4):475-7. PMID24287572
2. Gertz SD, Bodmann BG, Vela D, Papadakis M, Aboshady I, Cherukuri P, Alexander S, Kouri DJ, Baid S, Gittens AA, Gladish GW, Conyers JL, Cody DD, Gavish L, Mazraeshahi RM, Wilner WT, Frazier L, Madjid M, **Zarrabi A**, Willerson JT, Casscells SW. Three-dimensional isotropic wavelets for post-acquisitional extraction of latent images of atherosclerotic plaque components from micro-computed tomography of human coronary arteries.. Academic Radiology. 2007 Dec; 14(12): 1509-1519. Cited in PubMed; PMID: 18035280.
3. Wilner WT, Mazraeshahi RM, Aboshady I, Bodmann BG, Papadakis M, Kouri D, Conyers JL, Cherukuri P, Vela D, Gladish G, Gavish L, Cody DD, Frazier L, Lukovenkov S, Madjid M, **Zarrabi A**, Ahmed A, Willerson JT, Casscells SW, Gertz SD.. Quantification of

roughness of calcific deposits in computed tomography scans of human coronary arteries.. Investigative Radiology. 2007 Nov; 42(11): 771-776. Cited in PubMed; PMID: 18030200.

4. **Zarrabi A**, Eftekhari H, Casscells SW, Madjid M.. The open-artery hypothesis revisited. Texas Heart Institute Journal. 2006 Oct; 33(3): 345-352. Cited in PubMed; PMID: 17041693.
5. Gertz SD, Cherukuri P, Bodmann BG, Gladish G, Wilner WT, Conyers JL, Aboshady I, Madjid M, Vela D, Lukovenkov S, Papadakis M, Kouri D, Mazraeshahi RM, Frazier L, **Zarrabi A**, Elrod D, Willerson JT, Casscells SW.. Usefulness of multidetector computed tomography for noninvasive evaluation of coronary arteries in asymptomatic patients.. American Journal of Cardiology. 2006 Jan; 97(2): 287-293. Cited in PubMed; PMID: 16442381.
6. Madjid M, **Zarrabi A**, Litovsky S, Willerson JT, Casscells W.. Finding vulnerable atherosclerotic plaques: is it worth the effort?. Arteriosclerosis, Thrombosis, and Vascular Biology. 2004 Oct; 24(10): 1775-1782. Cited in PubMed; PMID: 15308556.
7. Litovsky S, Madjid M, **Zarrabi A**, Casscells SW, Willerson JT, Naghavi M.. Superparamagnetic iron oxide-based method for quantifying recruitment of monocytes to mouse atherosclerotic lesions in vivo: enhancement by tissue necrosis factor-alpha, interleukin-1beta, and interferon-gamma. Circulation. 2003 Mar; 107(11): 1545-1549. Cited in PubMed; PMID: 12654614.
8. Naghavi M, Libby P, Falk E, Casscells SW, Litovsky S, Rumberger J, Badimon JJ, Stefanadis C, Moreno P, Pasterkamp G, Fayad Z, Stone PH, Waxman S, Raggi P, Madjid M, **Zarrabi A**, Burke A, Yuan C, Fitzgerald PJ, Siscovick DS, de Korte CL, Aikawa M, et al.. From vulnerable plaque to vulnerable patient: a call for new definitions and risk assessment strategies: Part II. Circulation. 2003 Oct; 108(15): 1772-8. Cited in PubMed; PMID: 14557340.
9. Naghavi M, Libby P, Falk E, Casscells SW, Litovsky S, Rumberger J, Badimon JJ, Stefanadis C, Moreno P, Pasterkamp G, Fayad Z, Stone PH, Waxman S, Raggi P, Madjid M, **Zarrabi A**, Burke A, Yuan C, Fitzgerald PJ, Siscovick DS, de Korte CL, Aikawa M, et al.. From vulnerable plaque to vulnerable patient: a call for new definitions and risk assessment strategies: Part I. Circulation. 2003 Oct; 108(14): 1664-1672. Cited in PubMed; PMID: 14530185.
10. **Zarrabi A**, Gul K, Willerson JT, Casscells W, Naghavi M. Intravascular thermography: a novel approach for detection of vulnerable plaque. Current Opinion in Cardiology. 2002 Nov; 17(6): 656-662. Cited in PubMed; PMID: 12466709.

Poster Presentation

1. Litovsky S., Madjid M., Zarrabi A., Casscells SW., Willerson JT, Naghavi M. (2002, September). *Periadventitial Fat May Play an Important Role in Plaque Inflammation:*

Introducing Macrophagelike Activity of Adipocytes in Periadventitial Fat of Apolipoprotein-E Deficient Mice Aorta. Poster presented at: Annual Transcatheter Cardiovascular Therapeutics meeting(TCT); Washington, DC.

2. Zarrabi A., Miller-Thomas M., West O.C., Hamrick K., Cohen A.M.. (2004, November). *CT Angiography in Evaluation of Vascular Injury in Trauma to the Upper and Lower Extremities at A Level I Trauma Center: Methods and Reliability.* Poster presented at: Radiological Society of North America (RSNA); Chicago, IL.

Oral Presentation

Azadpour M, Litovsky S., Zarrabi A., Casscells W., Willerson JT., Naghavi M.. (2002, March). *Plaque Inflammation in Atherosclerotic Rabbits Can Be Identified By SPIO; Introducing a Noninvasive Method for Imaging Macrophage Infiltration in Active and Inflamed Vulnerable Plaque.* Oral Presentation presented at: American College of Cardiology Scientific Sessions (ACC); Atlanta, GA.

Litovsky S., Madjid M., Zarrabi A., Casscells W., Willerson JT., Naghavi M.. (2002, November). *Peri-adventitial fat may play an important role in plaque inflammation; Introducing macrophage like activity of adipocytes in peri-adventitial of apo-E deficient mouse aorta.* Oral Presentation presented at: American Heart Association Scientific Session; Chicago, IL.

Miller-Thomas M., West O.C., Zarrabi A., Cohen A.M.. (2004, November). *Angiography in Evaluation of Vascular Injury in Trauma to the Upper and Lower Extremities at A Level I Trauma Center.* Oral Presentation presented at: Radiological Society of North America (RSNA); Chicago, IL.

Vela D., Burke A., Zarrabi A., Naghavi M., Madjid M., Casscells W., Virmani R., Willerson JT., Litovsky S.. (2004, March). *Periadventitial Fat Inflammation Correlates With Plaque Inflammation in Patients With Coronary Plaque Ruptures: New Marker of Plaque Vulnerability?* Oral Presentation presented at: American College of Cardiology Scientific Sessions (ACC); New Orleans, LA.

Zarrabi A., Chan D., Dong Z., Cohen AM., Litovsky S., Madjid M., Casscells W., Willerson JT., Naghavi M.. (2002, September). *Novel Liposomal Encapsulated Iohexol for Detection of Inflammation by CT scan.* Oral Presentation presented at: Transcatheter Cardiovascular Therapeutics (TCT); Washington, DC.

Zarrabi A., Cohen AM., Litovsky S., Madjid M., Casscells W., Willerson JT., Naghavi M.. (2003, March). *A novel liposomal encapsulated Iohexol (Omnipaque) for detection of inflammation by computed tomography: A potential method for identification of vulnerable plaques.* Oral Presentation presented at: American College of Cardiology (ACC); Chicago, IL.

Zarrabi A., Madjid M., Aboshady I., Cohen AM., Willerson JT., Casscells W.. (2003,

September). *Plaque Enhancement (Blush Sign) After Injection of Contrast Agent in Multi-Detector CT Scan: Potential Implication for Detection of Vulnerable Plaque.*. Oral Presentation presented at: 15th Annual Transcatheter Cardiovascular Therapeutics (TCT); Washington, DC.