

CURRICULUM VITAE
SIDDIQUE A. ABBASI

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EDUCATION

Undergraduate	Saint Louis University, St. Louis, MO B.A. in Philosophy, <i>Summa Cum Laude</i> , 2001
Medical School	Saint Louis University School of Medicine, St. Louis, MO M.D., Medical Scholars Program, 2005
Other Advanced Degrees	Harvard T.H. Chan School of Public Health, Boston, MA Program in Clinical Effectiveness, 2014 M.Sci., Epidemiology, 2017 (expected)

POSTGRADUATE TRAINING

Residency	University of Washington, Seattle, WA Internal Medicine June 2005 – June 2008
Fellowship	University of Illinois, Chicago, IL Cardiovascular Medicine July 2009 – June 2012
Research Fellowship(s)	Harvard Medical School, Boston, MA Postdoctoral Fellowship March 2012 – July 2014 Brigham and Women's Hospital, Boston, MA Cardiovascular Magnetic Resonance Imaging Fellowship March 2012 – June 2013 Brigham and Women's Hospital, Boston, MA T32 Fellowship: Noninvasive Cardiovascular Imaging July 2013 – July 2014

POSTGRADUATE HONORS AND AWARDS

1. Massachusetts Chapter: American College of Cardiology, Fellows' Research Competition, First Prize, 2012.
2. Society for Cardiac Magnetic Resonance, Finalist, Early Career Award, 2014.
3. Fellow, American College of Cardiology, 2016 –

MILITARY SERVICE

None

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

1. American Board of Internal Medicine, Internal Medicine, 2009-2019
2. American Board of Internal Medicine, Cardiovascular Medicine 2012-2022
3. Rhode Island Medical License (Full), 2014-present
4. Illinois Medical License (Inactive), 2009- present
5. New York Medical License (Inactive), 2008-present

ACADEMIC APPOINTMENTS

1. Instructor of Medicine, Mount Sinai School of Medicine, Department of Internal Medicine, Division of General Internal Medicine, 2008 – 2009
2. Assistant Professor of Medicine, Warren Alpert School of Medicine of Brown University, 2014-present

HOSPITAL APPOINTMENTS

1. Attending Physician, Department of Medicine, Division of General Internal Medicine, Mount Sinai Hospital, New York, NY, July 2008 – June 2009
2. Attending Physician, Department of Internal Medicine, Division of Cardiology, Providence VA Medical Center, Providence RI, July 2014 – present
 - Director of Cardiac MRI (2014 – present)
 - Director of Heart Failure (2014 – present)
 - Director of MOVE! Weight Management Program (2014 – present)
3. Attending Physician, Department of Internal Medicine, Division of Cardiology, Rhode Island Hospital, Providence RI, July 2014 – present
4. Attending Physician, Department of Internal Medicine, Division of Cardiology, The Miriam Hospital, Providence RI, July 2014 – present
5. Attending Physician, Department of Medicine, Eleanor Slater Hospital, November 2015 – present

OTHER APPOINTMENTS

1. *Ad hoc* reviewer, Circulation, 2016–
2. *Ad hoc* reviewer, Circulation: Cardiovascular Imaging, 2013–
3. *Ad hoc* reviewer, Journal of the American Heart Association, 2013–
4. *Ad hoc* reviewer, Atherosclerosis, 2013–
5. *Ad hoc* reviewer, American Journal of Cardiology, 2013–
6. *Ad hoc* reviewer, International Journal of Cardiovascular Imaging, 2014–
7. *Ad hoc* reviewer, PLoS One, 2015–
8. *Ad hoc* reviewer, Cardiovascular Diagnosis and Therapy, 2016–
9. *Ad hoc* reviewer, BMC Cardiovascular Disorders, 2016–
10. Academic Editor, PLoS One, 2016–

HOSPITAL COMMITTEES

1. Discharge Planning Committee, Boise Veterans Affairs Hospital, 2008
2. Discharge Planning Committee, Mount Sinai Hospital, 2009
3. MRI Safety Committee, Providence Veterans Affairs Medical Center, 2016–

UNIVERSITY COMMITTEES

1. Member, Faculty Search Committee for Assistant Professor, Brown University, 2015
2. Member, Faculty Search Committee for Assistant Professor, Brown University, 2015
3. Cardiovascular Grand Rounds Planning Committee, Cardiovascular Institute, 2015–

MEMBERSHIP IN SOCIETIES

1. American College of Cardiology, 2009 – present (*Fellow*, 2016 – present)
2. Society for Cardiac Magnetic Resonance, 2011 – present
 - Honors: Early Career Award Finalist, 2014
3. American Society of Nuclear Cardiology (member), 2011 - 2013
4. American Heart Association (member), 2012 – present
5. American Diabetes Association (member), 2015 – present

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Murthy VL, **Abbasi SA**, Siddique J, Colangelo LA, Reis J, Venkatesh BA, Carr JJ, Terry JG, Camhi SM, Jerosch-Herold M, de Ferranti S, Das S, Freedman J, Carnethon MR, Lewis CE, Lima JA, Shah RV. Transitions in Metabolic Risk and Long-Term Cardiovascular Health: Coronary Artery Risk Development in Young Adults (CARDIA) Study. *J Am Heart Assoc.* 2016 Oct 13;5(10).
2. **Abbasi SA**, Shah RV, McNulty SE, Hernandez AF, Semigran MJ, Lewis GD, Jerosch-Herold M, Kim RJ, Redfield MR, Kwong RY. Left atrial structure and function in heart failure with preserved ejection fraction: a RELAX substudy, *in press*, PLoS ONE, 2016 Nov 3.
3. Korre M, Porto LG, Farioli A, Yang J, Christiani DC, Christophi CA, Lombardi DA, Kovacs RJ, Mastouri R, **Abbasi S**, Steigner M, Moffatt S, Smith D, Kales SN. Effect of Body Mass Index on Left Ventricular Mass in Career Male Firefighters. *Am J Cardiol.* 2016 Aug 31. pii: S0002-9149(16)31450-3.
4. Hiremath P, Lawler PR, Ho JE, Correia AW, **Abbasi SA**, Kwong RY, Jerosch-Herold M, Ho CY, Cheng S. Ultrasonic Assessment of Myocardial Microstructure in Hypertrophic Cardiomyopathy Sarcomere Mutation Carriers With and Without Left Ventricular Hypertrophy. *Circ Heart Fail.* 2016 Sep;9(9).
5. Addison D, Farhad H, Shah RV, Mayrhofer T, **Abbasi SA**, John RM, Michaud GF, Jerosch-Herold M, Hoffmann U, Stevenson WG, Kwong RY, Neilan TG. Effect of Late Gadolinium Enhancement on the Recovery of Left Ventricular Systolic Function After Pulmonary Vein Isolation. *J Am Heart Assoc.* 2016 Sep 26;5(9).
6. Heydari B, Abdullah S, Pottala JV, Shah R, **Abbasi S**, Mandry D, Francis SA, Lumish H, Ghoshhajra BB, Hoffmann U, Appelbaum E, Feng JH, Blankstein R, Steigner M, McConnell JP, Harris W, Antman EM, Jerosch-Herold M, Kwong RY. Effect of Omega-3 Acid Ethyl Esters on Left Ventricular Remodeling After Acute Myocardial

- Infarction: The OMEGA-REMODEL Randomized Clinical Trial. *Circulation*. 2016 Aug 2;134(5):378-91.
7. Shah RV, Murthy VL, Allison MA, Ding J, Budoff M, Frazier-Wood AC, Lima JA, Steffen L, Siscovick D, Tucker KL, Ouyang P, **Abbasi SA**, Danielson K, Jerosch-Herold M, Mozaffarian D. Diet and adipose tissue distributions: The Multi-Ethnic Study of Atherosclerosis. *Nutr Metab Cardiovasc Dis*. 2016 Mar;26(3):185-93.
 8. Hulten E, Aslam S, Osborne M, **Abbasi S**, Bittencourt MS, Blankstein R. Cardiac sarcoidosis-state of the art review. *Cardiovasc Diagn Ther*. 2016 Feb;6(1):50-63.
 9. Shah RV, Allison MA, Lima JA, **Abbasi SA**, Eisman A, Lai C, Jerosch-Herold M, Budoff M, Murthy VL. Abdominal fat radiodensity, quantity and cardiometabolic risk: The Multi-Ethnic Study of Atherosclerosis. *Nutr Metab Cardiovasc Dis*. 2016 Feb;26(2):114-22.
 10. Shah RV, Murthy VL, Colangelo LA, Reis J, Venkatesh BA, Sharma R, **Abbasi SA**, Goff DC Jr, Carr JJ, Rana JS, Terry JG, Bouchard C, Sarzynski MA, Eisman A, Neilan T, Das S, Jerosch-Herold M, Lewis CE, Carnethon M, Lewis GD, Lima JA. Association of Fitness in Young Adulthood With Survival and Cardiovascular Risk: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. *JAMA Intern Med*. 2016 Jan;176(1):87-95.
 11. Shah RV, Allison MA, Lima JA, Bluemke DA, **Abbasi SA**, Ouyang P, Jerosch-Herold M, Ding J, Budoff MJ, Murthy VL. Liver fat, statin use, and incident diabetes: The Multi-Ethnic Study of Atherosclerosis. *Atherosclerosis*. 2015 Sep;242(1):211-7.
 12. Kwong RY, Heydari B, **Abbasi S**, Steel K, Al-Mallah M, Wu H, Falk RH. Characterization of Cardiac Amyloidosis by Atrial Late Gadolinium Enhancement Using Contrast-Enhanced Cardiac Magnetic Resonance Imaging and Correlation With Left Atrial Conduit and Contractile Function. *Am J Cardiol*. 2015 Aug 15; 116(4): 622-9.
 13. **Abbasi SA**, Hundley WG, Bluemke DA, Jerosch-Herold M, Blankstein R, Petersen SE, Rider OJ, Lima JA, Allison MA, Murthy VL, Shah RV. Visceral adiposity and left ventricular remodeling: The Multi-Ethnic Study of Atherosclerosis. *Nutr Metab Cardiovasc Dis*. 2015 Jul;25(7):667-76.
 14. Neilan TG, Farhad H, Mayrhofer T, Shah RV, Dodson JA, **Abbasi SA**, Danik SB, Verdini DJ, Tokuda M, Tedrow UB, Jerosch-Herold M, Hoffmann U, Ghoshhajra BB, Stevenson WG, Kwong RY. Late gadolinium enhancement among survivors of sudden cardiac arrest. *JACC Cardiovasc Imaging*. 2015 Apr;8(4):414-23.
 15. Shah RV, Allison MA, Lima JA, **Abbasi SA**, Mongraw-Chaffin M, Jerosch-Herold M, Ding J, Budoff MJ, Murthy VL. Liver steatosis and the risk of albuminuria: the Multi-Ethnic Study of Atherosclerosis. *J Nephrol*. 2015 Oct;28(5):577-84.
 16. Ho CY, Lakdawala NK, Cirino AL, Lipshultz SE, Sparks E, **Abbasi SA**, Kwong RY, Antman EM, Semsarian C, González A, López B, Diez J, Orav EJ, Colan SD, Seidman CE. Diltiazem treatment for pre-clinical hypertrophic cardiomyopathy sarcomere mutation carriers: a pilot randomized trial to modify disease expression. *JACC Heart Fail*. 2015 Feb;3(2):180-8.
 17. Farhad H, Murthy VL, Seidman MA, **Abbasi SA**, Blankstein R. A mimic of hypertrophic cardiomyopathy. *Eur Heart J*. 2015 Mar 21;36(12):763.
 18. Neilan TG, Bakker JP, Sharma B, Owens RL, Farhad H, Shah RV, **Abbasi SA**, Kohli P, Wilson J, DeMaria A, Jerosch-Herold M, Kwong RY, Malhotra A. T1 measurements for detection of expansion of the myocardial extracellular volume in chronic obstructive pulmonary disease. *Can J Cardiol*. 2014 Dec;30(12):1668-75.

19. Shah RV, Murthy VL, **Abbasi SA**, Blankstein R, Kwong RY, Goldfine AB, Jerosch-Herold M, Lima JA, Ding J, Allison MA. Visceral adiposity and the risk of metabolic syndrome across body mass index: the MESA Study. *JACC Cardiovasc Imaging*. 2014 Dec;7(12):1221-35.
20. Watanabe E/**Abbasi SA (co-first author)**, Heydari B, Coelho-Filho OR, Shah R, Neilan TG, Murthy VL, Mongeon FP, Barbhuiya C, Jerosch-Herold M, Blankstein R, Hatabu H, van der Geest RJ, Stevenson WG, Kwong RY. Infarct tissue heterogeneity by contrast-enhanced magnetic resonance imaging is a novel predictor of mortality in patients with chronic coronary artery disease and left ventricular dysfunction. *Circ Cardiovasc Imaging*. 2014 Nov;7(6):887-94.
21. **Abbasi SA**, Cheezum MK, Ghosh N, Stewart GC, Di Carli MF. Multimodality imaging of hypertrophic cardiomyopathy in a transplanted heart. *Circulation*. 2014 Sep 16;130(12):1010-3.
22. Floyd JS, Sitlani CM, Wiggins KL, Wallace E, Suchy-Dacey A, **Abbasi SA**, Carnethon MR, Siscovick DS, Sotoodehnia N, Heckbert SR, McKnight B, Rice KM, Psaty BM. Variation in resting heart rate over 4 years and the risks of myocardial infarction and death among older adults. *Heart*. 2015 Jan;101(2):132-8.
23. **Abbasi SA**, Heydari B, Shah RV, Murthy VL, Zhang YY, Blankstein R, Steigner M, Jerosch-Herold M, Kwong RY. Risk stratification by regadenoson stress magnetic resonance imaging in patients with known or suspected coronary artery disease. *Am J Cardiol*. 2014 Oct 15;114(8):1198-203.
24. Shah RV, Murthy VL, **Abbasi SA**, Eng J, Wu C, Ouyang P, Kwong RY, Goldfine A, Bluemke DA, Lima J, Jerosch-Herold M. Weight loss and progressive left ventricular remodelling: The Multi-Ethnic Study of Atherosclerosis (MESA). *Eur J Prev Cardiol*. 2015 Nov;22(11):1408-18.
25. Dodson JA, Neilan TG, Shah RV, Farhad H, Blankstein R, Steigner M, Michaud GF, John R, **Abbasi SA**, Jerosch-Herold M, Kwong RY. Left atrial passive emptying function determined by cardiac magnetic resonance predicts atrial fibrillation recurrence after pulmonary vein isolation. *Circ Cardiovasc Imaging*. 2014 Jul;7(4):586-92.
26. Shah RV/**Abbasi SA (co-first author)**, Yamal JM, Davis BR, Barzilay J, Einhorn PT, Goldfine AB; ALLHAT Collaborative Research Group. Impaired fasting glucose and body mass index as determinants of mortality in ALLHAT: is the obesity paradox real? *J Clin Hypertens (Greenwich)*. 2014 Jun;16(6):451-8.
27. Shah RV, Heydari B, Coelho-Filho O, Abbasi SA, Feng JH, Neilan TG, Francis S, Blankstein R, Steigner M, Jerosch-Herold M, Kwong RY. Vasodilator stress perfusion CMR imaging is feasible and prognostic in obese patients. *JACC Cardiovasc Imaging*. 2014 May;7(5):462-72.
28. Shah RV/**Abbasi SA (co-first author)**, Heydari B, Farhad H, Dodson JA, Bakker JP, John RM, Veves A, Malhotra A, Blankstein R, Jerosch-Herold M, Kwong RY, Neilan TG. Obesity and sleep apnea are independently associated with adverse left ventricular remodeling and clinical outcome in patients with atrial fibrillation and preserved ventricular function. *Am Heart J*. 2014 Apr;167(4):620-6.
29. **Abbasi SA**, Farzaneh-Far A. An unusual cause of dyspnoea in a young man. *Eur Heart J*. 2014 Jul 21;35(28):1855.
30. Shah RV, **Abbasi SA**, Kwong RY. Role of cardiac MRI in diabetes. *Curr Cardiol Rep*. 2014 Feb;16(2):449.
31. Neilan TG, Mongeon FP, Shah RV, Coelho-Filho O, **Abbasi SA**, Dodson JA, McMullan CJ, Heydari B, Michaud GF, John RM, Blankstein R, Jerosch-Herold M,

- Kwong RY. Myocardial extracellular volume expansion and the risk of recurrent atrial fibrillation after pulmonary vein isolation. *JACC Cardiovasc Imaging*. 2014 Jan;7(1):1-11.
32. Neilan TG, Farhad H, Dodson JA, Shah RV, **Abbasi SA**, Bakker JP, Michaud GF, van der Geest R, Blankstein R, Steigner M, John RM, Jerosch-Herold M, Malhotra A, Kwong RY. Effect of sleep apnea and continuous positive airway pressure on cardiac structure and recurrence of atrial fibrillation. *J Am Heart Assoc*. 2013 Nov 25;2(6):e000421.
 33. **Abbasi SA**, Ertel A, Shah RV, Dandekar V, Chung J, Bhat G, Desai AA, Kwong RY, Farzaneh-Far A. Impact of cardiovascular magnetic resonance on management and clinical decision-making in heart failure patients. *J Cardiovasc Magn Reson*. 2013 Oct 1;15:89.
 34. Neilan TG, Shah RV, **Abbasi SA**, Farhad H, Groarke JD, Dodson JA, Coelho-Filho O, McMullan CJ, Heydari B, Michaud GF, John RM, van der Geest R, Steigner ML, Blankstein R, Jerosch-Herold M, Kwong RY. The incidence, pattern, and prognostic value of left ventricular myocardial scar by late gadolinium enhancement in patients with atrial fibrillation. *J Am Coll Cardiol*. 2013 Dec 10;62(23):2205-14.
 35. Shah RV/**Abbasi SA(co-first author)**, Neilan TG, Hulten E, Coelho-Filho O, Hoppin A, Levitsky L, de Ferranti S, Rhodes ET, Traum A, Goodman E, Feng H, Heydari B, Harris WS, Hoefner DM, McConnell JP, Seethamraju R, Rickers C, Kwong RY, Jerosch-Herold M. Myocardial tissue remodeling in adolescent obesity. *J Am Heart Assoc*. 2013 Aug 20;2(4):e000279.
 36. Shah R, Heydari B, Coelho-Filho O, Murthy VL, **Abbasi S**, Feng JH, Pencina M, Neilan TG, Meadows JL, Francis S, Blankstein R, Steigner M, di Carli M, Jerosch-Herold M, Kwong RY. Stress cardiac magnetic resonance imaging provides effective cardiac risk reclassification in patients with known or suspected stable coronary artery disease. *Circulation*. 2013 Aug 6;128(6):605-14.
 37. Francis SA, Daly C, Heydari B, **Abbasi S**, Shah RV, Kwong RY. Cost-effectiveness analysis for imaging techniques with a focus on cardiovascular magnetic resonance. *J Cardiovasc Magn Reson*. 2013 Jun 14;15:52.
 38. Neilan TG, Coelho-Filho OR, Shah RV, **Abbasi SA**, Heydari B, Watanabe E, Chen Y, Mandry D, Pierre-Mongeon F, Blankstein R, Kwong RY, Jerosch-Herold M. Myocardial extracellular volume fraction from T1 measurements in healthy volunteers and mice: relationship to aging and cardiac dimensions. *JACC Cardiovasc Imaging*. 2013 Jun;6(6):672-83.
 39. Rao AD, Shah RV, Garg R, Abbasi SA, Neilan TG, Perlstein TS, Di Carli MF, Jerosch-Herold M, Kwong RY, Adler GK. Aldosterone and myocardial extracellular matrix expansion in type 2 diabetes mellitus. *Am J Cardiol*. 2013 Jul 1;112(1):73-8.
 40. Ho CY, **Abbasi SA**, Neilan TG, Shah RV, Chen Y, Heydari B, Cirino AL, Lakdawala NK, Orav EJ, González A, López B, Díez J, Jerosch-Herold M, Kwong RY. T1 measurements identify extracellular volume expansion in hypertrophic cardiomyopathy sarcomere mutation carriers with and without left ventricular hypertrophy. *Circ Cardiovasc Imaging*. 2013 May 1;6(3):415-22.
 41. Shah RV, **Abbasi SA**, Heydari B, Rickers C, Jacobs DR Jr, Wang L, Kwong RY, Bluemke DA, Lima JA, Jerosch-Herold M. Insulin resistance, subclinical left ventricular remodeling, and the obesity paradox: MESA (Multi-Ethnic Study of Atherosclerosis). *J Am Coll Cardiol*. 2013 Apr 23;61(16):1698-706.
 42. **Abbasi S**, Tarter L, Farzaneh-Far R, Farzaneh-Far A. Hydroxychloroquine: a treatable cause of cardiomyopathy. *J Am Coll Cardiol*. 2012 Aug 21;60(8):786.

43. Rashid RM, Cowan E, **Abbasi SA**, Brieva J, Alam M. Destructive deformation of the digits with auto-amputation: a review of pseudo-ainhum. *J Eur Acad Dermatol Venereol.* 2007 Jul;21(6):732-7. Review. PubMed PMID: 17567298.

BOOKS AND BOOK CHAPTERS

1. Daly CA, **Abbasi SA**, Kwong RY. "Cardiac Imaging" in *Pathobiology of Human Disease: A Dynamic Encyclopedia of Disease Mechanisms*, Linda McManus and Richard Mitchell (eds), Elsevier, Oxford, UK, 2013.
2. **Abbasi SA**, Shah RV, Januzzi J, editors. *Clinical Cases in Heart Failure*. Springer International Publishing, Cham, Switzerland, 2016.

ABSTRACTS

1. **Abbasi SA**, Shah RV, Murthy VL, Eng J, Wu C, Ouyang P, Kwong RY, Goldfine A, Bluemke D, Lima JA, Jerosch-Herold M. Weight loss decreases progressive left ventricular remodeling: The Multi-Ethnic Study of Atherosclerosis. (ORAL presentation at SCMR, 2014, **Early Career Award Finalist**).
2. **Abbasi SA**, Shah RV, Neilan T, Heydari B, Farhad H, Blankstein R, Steigner M, Jerosch-Herold M, Kwong RY. Risk Stratification by Regadenoson Stress MRI in Patients with Known or Suspected Coronary Artery Disease. (ORAL presentation at SCMR, 2014).
3. **Abbasi SA**, Shah RV, Heydari B, Farhad H, Dodson J, Bakker JP, John R, Malhotra A, Blankstein R, Jerosch-Herold M, Kwong RY, Neilan TG. Obesity And Sleep Apnea Are Independently Associated With Adverse Left Ventricular Remodeling And Clinical Outcome In Patients With Atrial Fibrillation And Preserved Ventricular Function. (POSTER presentation at American Heart Association, 2013).
4. **Abbasi SA**, Shah RV, McNulty S, Hernandez A, Neilan TG, Haines PG, Semigran M, Borlaug BA, Lewis G, Jerosch-Herold M, Kim RJ, Redfield M, Kwong RY. Left atrial function is associated with cardiopulmonary performance in heart failure with preserved ejection fraction: a Relax substudy. (ORAL presentation at AHA, 2013).
5. Groarke JD, Shah RV, Waller AH, **Abbasi SA**, Kwong RY, Blankstein R, Steigner M. Left atrial volume quantification by cardiac magnetic resonance imaging: 2-dimensional biplane area-length method versus 3-dimensional chamber reconstruction technique. *European Heart Journal Cardiovascular Imaging* 2013; 14(S1): i19. (POSTER presentation, EuroCMR, 2013)
6. **Abbasi SA**, Ertel A, Shah RV, Kwong RY, Farzaneh-Far A. Impact of CMR on Management and Clinical Decision-Making in Heart Failure Patients. (POSTER presentation, ACC, 2013)
7. Hulten E, Heydari B, Bittencourt M, Shah RV, O'Leary D, **Abbasi SA**, Di Carli MF, Steigner M, Jerosch-Herold M, Kwong RY, Blankstein R. Prognostic Value of Late Gadolinium Enhancement Among Patients Referred to Cardiac MRI to Evaluate for Possible Cardiac Sarcoidosis. (POSTER presentation, ACC, 2013).
8. Farhad H, **Abbasi SA**, Shah RV, Heydari B, Neilan TG, Feng JH, Jerosch-Herold M, Kwong RY. Left atrial volume during the early convalescent phase of acute MI is strongly related to expansion of myocardial extracellular matrix during infarct healing and ventricular remodeling. (ORAL presentation, SCMR, 2013)

9. **Abbasi SA**, Shah RV, Neilan TG, Heydari B, Chen Y, Jerosch-Herold M, Kwong RY, Ho C. T1 Measurements Identify Extracellular Volume Expansion in a Genotyped Hypertrophic Cardiomyopathy Population With and Without Left Ventricular Hypertrophy. (ORAL presentation, SCMR, 2013)
10. **Abbasi SA**, Watanabe E, Shah RV, Coelho-Filho O, Mongeon FP, Jerosch-Herold M, Kwong RY. Infarct tissue heterogeneity by contrast-enhanced MRI is a novel predictor of mortality in patients with coronary artery disease with reduced left ventricular systolic function. (ORAL presentation, ACC, 2013)

INVITED PRESENTATIONS

1. Speaker, "Tumor Microemboli Syndrome: A Rare Cause of Right Heart Failure," American College of Physicians (ACP) Regional Meeting, McCall, Idaho, 1/18/2008.
2. Speaker, "Effect of sildenafil on novel markers of systolic and diastolic function by CMR: a RELAX-DHF substudy" Cardiovascular Imaging Grand Rounds, Duke University, Durham, NC, 8/22/2012

LOCAL PRESENTATIONS

1. Speaker, "Cardiac Catastrophes," Pulmonary and Critical Care Grand Rounds, Boise VA Medical Center, Boise, ID, 6/2/2007.
2. Speaker, "Cardiovascular Complications of Hyperthyroidism," Endocrinology Grand Rounds, University of Washington, Seattle, WA, 4/21/2008
3. Speaker, "Research Methods in Cardiac MRI" Cardiovascular Imaging Grand Rounds, Brigham and Women's Hospital, Boston, MA, 6/10/2013
4. Speaker, "T1-mapping by Cardiac MRI: Methodology, Research & Clinical Applications, and Future Directions," Cardiovascular Imaging Grand Rounds, Brigham and Women's Hospital, Boston, MA, 11/11/2013
5. Speaker, "Left atrial function is associated with cardiopulmonary performance in heart failure with preserved ejection fraction: a RELAX substudy," Cardiovascular Grand Rounds, Brigham and Women's Hospital, Boston, MA, 11/14/2013.
6. Speaker, "Cardiac Magnetic Resonance to Detect Subclinical Disease," Cardiovascular Grand Rounds, Rhode Island Hospital, Providence, RI 1/28/2014
7. Speaker, "Obesity and Cardiovascular Disease," Providence VA Cardiovascular Grand Rounds, Providence, RI 1/27/2015
8. Speaker, "Clinical Cases in Cardiac MRI," Rhode Island Hospital Cardiovascular Imaging Grand Rounds, 6/4/2015
9. Interviewed, "Diabetes Awareness Week," Dan Yorke State of Mind, Fox, Providence, 11/2/2015
10. Speaker, "Updates in Internal Medicine: Heart Failure Management", Providence VA Medical Center, Medical Service Grand Rounds, 12/4/2015
11. Speaker, "Introduction to Cardiac MRI," Rhode Island Hospital Cardiovascular Imaging Grand Rounds, 12/6/2015
12. Speaker, "Prevention of Cardiovascular Disease," Brown Internal Medicine Residents Noon Conference, 2/8/2016
13. Speaker, "Introduction to Cardiovascular Disease," The Wheeler School, Providence, RI, 10/14/2016

GRANTSOngoing/Pending Research Support

- 2016-2017** *Reversal of Right Ventricular Steatosis in Pulmonary Hypertension*
Grant # (Sponsor): NIH/NIGMS
Major goals: To identify the presence of myocardial steatosis in patients with pulmonary hypertension and determine the clinical efficacy of Omega-3 Fatty Acid supplementation on ventricular structure and function.
Role: Principle Investigator
- 2016-2021** *Skin Inflammatory Phenotypes as Biomarkers of Myocardial and Vascular Remodeling*
Grant # (Sponsor): NIH R01AG052282 (PI: Jerosch-Herold)
Major goals: The goal of this study is investigate the relationship between cutaneous inflammatory markers with myocardial perfusion and vascular stiffness in patients with Type 2 diabetes.
Role: Co-Investigator
- 2016-2017** *Magnesium Supplementation for Primary Prevention of Heart Failure in Obesity*
Grant # (Sponsor): Rhode Island Foundation #20154157
Major goals: To determine the clinical efficacy of Mg supplementation on LV structure and function in patients with Obesity.
Role: Principle Investigator
- 2016-2018** *Left ventricular remodeling and weight loss in adolescents with obesity*
pending
Grant # (Sponsor): Dasman Diabetes Institute
Major goals: 1) To establish a cardiovascular phenotype of obesity heart disease in children; 2) test the association of subclinical cardiovascular disease in adolescents with adiposity and inflammation by MRI; 3) To measure the effect of exercise and behavioral modification/weight loss on cardiac remodeling by MRI
Role: Co-Investigator

Completed Research Support

- 2016** *Pulmonary Artery Stiffness and Right Ventricular Fibrosis in Pulmonary Hypertension: A Magnetic Resonance Study*
Grant # (Sponsor): NIH/NIGMS
Major goals: To identify the role of pulmonary artery stiffness in the pathogenesis of right ventricular fibrosis in Pulmonary Hypertension
Role: Principle Investigator
- 2012-2015** *Non-Invasive Identification of Left Ventricular Hypertrophy in Firefighters*
Grant # (Sponsor): U.S. Department of Homeland Security EMW-2011-FP-00663 (PI: Kales, S)
Major goals: 1) determine the prevalence of left ventricular hypertrophy (LVH) and cardiomegaly among firefighters; 2) quantify major risk factors

for LVH/cardiomegaly; 3) develop prediction models/screening algorithms;
4) validate the models/screening algorithms.

Role: Co-investigator (CMR and echocardiography core laboratory)

2012-2015 *Prognostic Impact and Arrhythmic Potential of Peri-infarct Zone by Cardiac MRI*

Grant # (Sponsor): NIH R01 HL091157 (PI: Kwong, R)

Major goals: The goal of this therapeutic trial was to investigate whether supplementation of omega-3 fatty acid in patients after myocardial infarction would improve arrhythmic risk and cardiovascular remodeling

Role: Post-doctoral fellow

2013-2014 *Noninvasive Cardiovascular Imaging Research Training Program*

Grant # (Sponsor): NIH: 5T32HL094301-04 (PI: Di Carli, MF)

Major goals: To produce cardiovascular imaging specialists with the clinical and investigative skills to establish independent careers, mentor others, and lead their own CV Imaging programs.

Role: Trainee

UNIVERSITY TEACHING ROLES

1. Basic to Intermediate Principles of Electrocardiograms, 11/2015 - present

HOSPITAL TEACHING ROLES

1. ECG Teaching Course, Providence VA Medical Center, 8/2014 – present