

Curriculum Vitae

Amitoj Singh MD, MBBS, FACC

Assistant Professor of Medicine
Division of Cardiology & Sarver Heart Center
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Education

Medical School

06/2003 – 01/2009 Government Medical College Patiala, India, Medical School Degree-MBBS

Clinical Internship

12/2008- 1/2009 Government Medical College Patiala, India
02/2009 – 05/2010 Amar Multispecialty Hospital Patiala, India, Junior Physician
07/2010 – 08/2010 Department of Cardiology, Mayo Clinic, Scottsdale Arizona, Visiting Clinician
08/2010 – 07/2011 Amar Multispecialty Hospital Patiala, India, Junior Physician

Research Fellowship

05/2010 – 07/2010 Department of Cardiology Echo Lab, University of Alabama, Birmingham, AL, Research Fellow

Internal Medicine Residency

07/2011 – 07/2014 Saint Peters University Hospital, New Brunswick NJ, Internal Medicine Residency Degree-MD

Cardiology Fellowship

07/2014 – 07/2017 St. Luke's University, Bethlehem, PA, Cardiovascular Disease Fellowship
07/2017 – 07/2019 Brigham and Women's Hospital Boston, MA, Advanced Cardiovascular Imaging Fellowship

Board Certification and Licenses

01/2009	Bachelor of Medicine, Bachelor of Surgery (MBBS)
2014	American Board of Internal Medicine (ABIM) – Diplomate of Internal Medicine and Doctor of Medicine (MD)
2016	American Board of Nuclear Cardiology
2017	American Board of Internal Medicine (ABIM) – Diplomate of Cardiovascular Disease
06/2017 – 06/2020	Massachusetts State Medical License # 269852
06/2019 –	Arizona State Medical Board License # 58732

Employment

09/2019 – Present	Assistant Professor of Medicine and Medical Imaging Sarver Heart Center, University of Arizona Banner – University Medical Center Tucson, AZ Banner – University Medical Center South, Tucson, AZ
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Honors and Awards

2002	Certificate of Merit- Homi Bhabha Centre for Science Education, Mumbai, India, National Standard Examination- Biology & Chemistry
2004	First Rank- Second Year MBBS Exam, Baba Farid University of Health Sciences, Faridkot, Punjab
2006	First Rank- Third Year MBBS Exam, Baba Farid University of Health Sciences, Faridkot, Punjab
2008	Academic Roll of Honor- State First Rank Final Year MBBS, Guru Harkishan Educational Society, New Delhi, India
2009	Best Graduate- MBBS, Government Medical College of Patiala, Punjab, India
2012	Clinical Research Organization Management - Drexel/ St. Peters Univ Hospital New Brunswick, NJ
2013	Mini MBA- Rutgers University Hospital, New Brunswick, NJ
2013	Outstanding PGY3 Award- St Peters University Hospital, New Brunswick, NJ
2016	Jeopardy Finalist Award- Mid Atlantic Capital Cardiology Symposium
2016-2017	Chief Cardiology Fellow, St Luke's University Hospital, Bethlehem, PA
2017	Academic Excellence Award- St Luke's University Health Network, Bethlehem, PA
2018- 2019	Chief Cardiovascular Imaging Fellow, Brigham and Women's Hospital, Boston, MA

Service and Outreach

National/International

- 2008 - Member, Indian Medical Association
- 2016 - 2020 Fellow in Training, American College of Cardiology
- 2016 – 2020 Fellow in Training, American Heart Association
- 2016 – 2020 Fellow in Training, American Society of Nuclear Cardiology
- 2016 – 2020 Fellow in Training, American Society of Echocardiography
- 2017 – 2020 American Heart Association – Cardiovascular diseases of the Young, Heart Failure Committee Member
- 2020 Member, American College of Cardiology
- 2020 Member, American Medical Association
- 2020 Member, American Society of Nuclear Cardiology
- 2020 Member, Society of Computed Tomography
- 2020 Member, Society of Cardiovascular MRI
- 2022 Editorial Board Member, Frontiers in Cardiovascular Medicine Journal
- 2023 Arizona head for the INCAPS4 study conducted by International Atomic Energy Agency
- 2024 Fellow of American College of Cardiology

Departmental Committee

- 7/2016 – 7/2017 Myocardial Infarction Task Force Committee, St Luke’s University Health Network

Other- Reviewer for Journals

- 2015 – American Association for Clinical Endocrinologist
- 2016 – British Medical Journal Cases
- 2016 – American Journal of Alzheimer’s Disease and Other Dementia
- 2016 – Heart Asia
- 2016 – International Journal of Academic Medicine 2018 – JACC Imaging
- 2018 – The International Journal of Cardiovascular Imaging
- 2022 – Frontiers in Cardiovascular Medicine Journal

Publications

ORCID ID # 0000-0003-1977-1270

Chapters in Scholarly Books and Monographs

1. Singh M, Sharma V and **Singh A.** “Sports and Heart Diseases” Chapter in *Cardiological Society of India Cardiology Update 2008*. Edited by Bahl VK and Ramakrishnan RS, Jaypee Brothers Medical Publishers. New Delhi, India. 2008: 889-894.
2. Singh M, Sharma V and **Singh A.** “Pre-Operative Assessment of Valve Surgeries” Chapter in *Cardiological Society of India Cardiology Update 2009*. Edited by Banerjee

AK. Jaypee Brothers Medical Publishers. New Delhi, India. 2009: 425-436.

3. Singh M, Sharma V and **Singh A**. "Stress Testing in Asymptomatic Persons" Chapter in *The Association of Physicians of India Medicine Update, Volume 20*. Edited by Rao MS, Bombay Publisher, Mumbai, India. 2010: 275-278.
4. Singh M, Sharma V and **Singh A**. "Drugs and Sudden Cardiac Death" *Chapter in Cardiological Society of India Cardiology Update 2015*. Edited by Guha s and Ray S. Jaypee Brothers Medical Publishers. New Delhi, India. 2015: 462-466.

Journal Articles

1. Nabavizadeh F, Nanda NC, **Singh A**, Mateescu C. "Live/Real Time Three-Dimensional Trans- Esophageal Echocardiographic Findings in Amplatzer ASD Closure Devices in Adults". *International Cardiovascular Resuscitation Journal*. 2012 Sep;6(3):97-100. PMID 24757602
2. Bhaya M, Mutluer FO, Mahan E, Mahan L, Hsiung MC, Yin WH, Wei J, Tsai SK, Zhao GY, Yin WH, Pradhan M, Beniwal R, Joshi D, Nabavizadeh F, **Singh A**, Nanda NC. "Live/Real time three-dimensional transesophageal echocardiography in percutaneous closure of atrial septal defects". *Echocardiography*. 2013 Mar; 30(3): 345-53 PMID 23336391
3. Shirani J, Agrawal S, **Singh A**, Dilsizian V. "Nuclear Imaging for Assessment of Myocardial Perfusion, Metabolism, and Innervation in Hypertrophic Cardiomyopathy". *Current Cardiovascular Imaging Reports*. 2016 Jun 1; 9(6): 1-4.
4. **Singh A**, Sharma S, Garg A, Nanda NC, Elsayed M, Taher A, and Bulur S. "Usefulness of bubble study in echocardiographic diagnosis of contained rupture of hydatid cyst in the right ventricular outflow tract". *Echocardiography* 2016 Sep;33(9):1402-8. PMID 27650224
5. Agrawal S, Garg L, Sharma A, Mohananey D, Bhatia N, **Singh A**, Shirani J, Dixon S. "Comparison of In-Hospital Mortality and Frequency of Coronary Angiography on Weekend versus Weekday Admissions in Patients with Non-ST-Segment Elevation Acute Myocardial Infarction". *The American Journal of Cardiology*. 2016 Sep 1:118(5): 632-4. PMID 27381668.
6. Agrawal S, Garg L, Nanda S, Sharma A, Bhatia N, Manda Y, **Singh A**, Fegley M, Shirani J. "The role of implantable cardioverter defibrillators in patients with continuous flow left ventricular assist devices—A meta-analysis". *International Journal of Cardiology*. 2016 Nov 1;222:379-384. PMID 27505320

7. Manda Y, Stone LE, **Singh A**, Agrawal S, Shirani J, Nanda S. "Multiple mechanisms of cocaine induced Brugada EKG pattern". *International Journal of Academic Medicine*. 2016 Dec 2(2): 232-238.
8. Agrawal S, Garg L, Garg A, Mohananeey D, Jain A, Manda Y, Singh A, Nanda S, Durkin R, Puleo P, Shirani J. "Recent trends in Management and In-Hospital Outcomes of Acute Myocardial Infarction in Renal Transplant Recipients". *The American Journal of Cardiology*. 2017 Feb 15;119(4): 542-552. PMID 27939383
9. Agrawal, S., Shirani, J., Garg, L., **Singh, A.**, Longo, S., Longo, A., Fegley M, Stone L, Razavi M, Radoianu N & Nanda, S. (2017). "Pheochromocytoma and stress cardiomyopathy: Insight into pathogenesis". *World Journal of Cardiology*, 2017 Mar 26;9(3), 255-260. PMID 28400922
10. Shirani J, **Singh A**, Agrawal S, Dilsizian V. "Cardiac molecular imaging to track left ventricular remodeling in heart failure". *Journal of Nuclear Cardiology*. 2017 Apr;24(2):574-590. PMID 27480973
11. **Singh A**, Agrawal S, Gargya S, Saluja S, Kumar A, Kumar A, Kalra K, Thind M, Saluja S, Stone LE, Ali F. "Post-traumatic stress disorder after myocardial infarction and coronary artery bypass grafting". *International Journal of Critical Illness and Injury Science*. 2017 Apr-Jun;7(2):84-90. PMID 28660161
12. Bhatia N, Agrawal S, Garg A, Mohananeey D, Sharma A, Agarwal M, Garg L, Agrawal N, **Singh A**, Nanda S, Shirani J. "Trends and outcomes of infective endocarditis in patients on Dialysis". *Clinical Cardiology*. 2017 Jul;40(7):423-9. PMID 28300288
13. Agrawal S, Garg L, Shah M, Agarwal M, Patel B, **Singh A**, Garg A, Jorde U, Kapur N. "Thirty-Day Readmissions After Left Ventricular Assist Device Implantation in the United States: Insights from the Nationwide Readmissions Database". *Circulation: Heart Failure*. 2018 Mar;11(3):3004628. PMID 29519902
14. Stone LE, Yellapu V, Ali F, Agrawal S, **Singh A**, Garg L, Longo S, Nanda S. Pathophysiology and management of Raynaud's phenomenon. *International Journal of Academic Medicine*. 2018 May 1;4(2):178-83.
15. **Singh A**, Saluja S, Kumar A, Agrawal S, Thind M, Nanda S, Shirani J. "Cardiovascular Complications of Marijuana and Related Substances: A Review". *Cardiology and Therapy*. 2018 Jun;7(1): 45 – 59. PMID 29218644
16. Thind M, Holmes DN, Badri M, Pieper KS, **Singh A**, Blanco RG, Steinberg BA, Fonarow GC, Gersh BJ, Mahaffey KW, Peterson ED. "Embolic and other adverse outcomes in symptomatic versus asymptomatic patients with atrial fibrillation (from the ORBIT-AF

Registry)". *The American Journal of Cardiology*. 2018 Nov 15;122(10):1677-1683. PMID 30227964

17. Bravo PE, **Singh A**, Di Carli MF, Blankstein R. "Advanced cardiovascular imaging for the evaluation of cardiac sarcoidosis". *Journal of Nuclear Cardiology*. 2019 Feb;26(1): 188-199. PMID 30390241
18. Patel N, Bajaj NS, Doshi R, Gupta A, Kalra R, **Singh A**, Berra L, Arora G, Prabhu SD, Arora P. "Cardiovascular Events and Hospital Deaths Among Patients with Severe Sepsis". *The American Journal of Cardiology*. 2019 May 1;123(9): 1406-1413. PMID 30773249
19. Gupta K, Kakar TS, Gupta A, **Singh A**, Gharpure N, Aryal S, Hawi R, Lloyd SG, Booker J, Hage FG, Prabhu SD, Nanda NC, Bajaj N. "Role of left ventricle deformation analysis in stress echocardiography for significant coronary artery disease detection: A diagnostic study meta-analysis". *Echocardiography*. 2019 Jun;36(6):1084-1094. PMID 31116467
20. Gilstrap LG, Dominici F, Wang Y, El-Sady MS, **Singh A**, Di Carli MF, Falk RH, Dorbala S. "Epidemiology of cardiac amyloidosis-associated heart failure hospitalizations among fee-for-service Medicare beneficiaries in the United States". *Circulation: Heart Failure*. 2019 Jun;12(6): e005407. PMID 31170802
21. Bajaj N, **Singh A**, Zhou W, Gupta A, Fujikura K, Byrne C, Harms HJ, Osborne MT, Bravo P, Andrikopoulou E, Divakaran S. "Coronary Microvascular Dysfunction, Left Ventricular Remodeling and Clinical Outcomes in Patients with Chronic Kidney Impairment". *Circulation*. 2020 Jan 7;141(1);21-33. PMID 31779467
22. DeFilippis EM, Bajaj NS, **Singh A**, Malloy R, Givertz MM, Blankstein R, Bhatt DL, Vaduganathan M. "Marijuana Use in Patients with Cardiovascular Disease: JACC Review Topic of the Week". *Journal of the American College of Cardiology*. 2020 Jan 28;75(3):320-32. PMID 31976871
23. Vallabhaneni S, **Singh A**, Meera S, Shirani J. "Cardiac transplantation for hypertrophic cardiomyopathy in the United States 2003-2011". *International Journal of Critical Illness and Injury Science*. 2020 Jul-Sep;10(3):129-133. PMID 33409127
24. **Singh A**, Cohen B, Sturzoiu T, Vallabhaneni S, Shirani J. "Recent trends in hospital admissions and outcomes of cardiac Chagas disease in the United States". *International Journal of Critical Illness and Injury Science*. 2020 Jul-Sep;10(3):134-139. PMID 33409128
25. **Singh A**, Sturzoiu, T, Vallabhaneni, S, Shirani J. "Stress cardiomyopathy induced during dobutamine stress echocardiography". *International Journal of Critical Illness and Injury Science*. 2020 Sep;10(Suppl 1):43-48. PMID 33376690

26. Ali HJ, Ehsan A, Kennedy K, Riley P, Seo A, Bajaj N, **Singh A**, et. al. "Patient Outcomes, Cost and Length of Stay Associated with Biventricular Assist Devices in the United States". *Authorea*. May 29, 2021. Doi: 10.22541/au.162232049.90809901/v1.
27. Modi V, **Singh A** and Shirani J. "Marijuana Use and Stress Cardiomyopathy in the Young". *Cureus*. 2021 Oct 7;13(10):e18575. PMID 34760418
28. Gupta S, Ge Y, **Singh A**, Grani C, Kwong RY. "Multimodality Imaging Assessment of Myocardial Fibrosis". *Journal of the American College of Cardiology: Cardiovascular Imaging*. 2021 Dec;14(12):2457-2469. Doi: 10.1016/j.jcmg.2021.01.027. PMID: 34023250
29. Tessier S, Durgham A, Krinock M, **Singh A**, Longo S, Nanda S. "Native valve emphysematous enterococcal endocarditis: expanding the differential diagnosis". *GERMS*. 2021 Dec 29; 11(4); 608-613. Doi: 10.18683/germs.2021.1297. PMID 35096679
30. Ge Y, Pandya A, Cuddy SAM, **Singh A**, Singh A, Dorbala S. "Modeling the Cost and Health Impacts of Diagnostic Strategies in Patients with Suspected Transthyretin Cardiac Amyloidosis". *Journal of the American Heart Association*. 2022 Sept 20;11(18)e026308. PMID 36102240
31. Jain V, Gupta K, Bhatia K, Rajapreyar I, **Singh A**, Zhou W, Klein A, Nanda N, Prabhu S and Bajaj N. "Coronary flow abnormalities in chronic kidney disease: A systemic review and meta-analysis". *Echocardiography – A Journal of Cardiovascular Imaging and Intervention*. 2022 Nov;39(11):1382-1390. Doi/10.1111/echo.15445. PMID 36198077
32. Pham HN, Ibrahim R, Sainbayar E, Olson A, **Singh A**, Khanji MY, Lee J, Somers VK, Wenger C, Chahal CAA, Mamas BMBCh MA. Burden of Hyperlipidemia, Cardiovascular Mortality, and COVID-19: A Retrospective-Cohort Analysis of US Data. *J Am Heart Assoc*. 2024 Nov 11:e037381. doi: 10.1161/JAHA.124.037381. Epub ahead of print. PMID: 39526321.
33. Pham HN, Sharourou F, Olson A, Albagi A, Habib A, Terrani K, Beshai R, Elias T, Ramzi I, **Singh A** and Lee KS. Shifting in the settings of stroke fatalities during the COVID-19 pandemic. *Circulation*. 150:Suppl 1. https://doi.org/10.1161/circ.150.suppl_1.4140585
34. Phan HN, Ramzi I, Albagi A, Habib A, Aiti D, Barker K, Marco T, Mahmood N, Ha, LDT, Tran VN, Tran P and **Singh A**. Disparities related to amyloidosis and heart failure: A retrospective analysis of US mortality data. *Circulation*. 150;suppl 1. https://doi.org/10.1161/circ.150.suppl_1.4145711
35. Olson A, Pham HN, Ibrahim R, Salih M, **Singh A**, Mamas MA. Disparities in Peripheral Artery Disease-related Mortality in Chronic Inflammatory Disease in the United States

from 1999 to 2020. *Curr Cardiol Rev.* 2024 Dec 10. doi: 10.2174/011573403X353038241125050631. Epub ahead of print. PMID: 39660527.

36. Shahid M, Pham HN, Ibrahim R, Sainbayar E, Abdelnabi M, Pathangey G, **Singh A**. Disparities in cardiac arrest mortality among patients with chronic kidney disease: A US-based epidemiological analysis. *J Arrhythm.* 2025 Feb;41(1):e13217. doi: 10.1002/joa3.13217. eCollection 2025 Feb. PubMed PMID: 39817030; PubMed Central PMCID: PMC11730704.
37. Pham HN, Ibrahim R, Sainbayar E, Olson A, **Singh A**, Khanji MY, Lee J, Somers VK, Wenger C, Chahal CAA, Mamas MA. Burden of Hyperlipidemia, Cardiovascular Mortality, and COVID-19: A Retrospective-Cohort Analysis of US Data. *J Am Heart Assoc.* 2025 Mar 4;14(5):e037381. doi: 10.1161/JAHA.124.037381. Epub 2025 Feb 27. PubMed PMID: 39526321.
38. Pham HN, Kanaan C, Ibrahim R, Abdelnabi M, Soin S, Bcharah G, Habib E, Baqal O, Farina J, Xie J, **Singh A**, Ayoub C, Arsanjani R, Lee JZ, El Masry H, Sorajja D, Chahal AA. Incidence of arrhythmias in chronic obstructive pulmonary disease, obstructive sleep apnea, and overlap syndrome: A retrospective cohort study. *Heart Rhythm.* 2025 Mar 6;. doi: 10.1016/j.hrthm.2025.02.042. [Epub ahead of print] PubMed PMID: 40043862.

Other Peer Reviewed Publications (Case Reports)

1. Assudani J, Singh B, Samar A, Pannu J, **Singh A**, Nabavizadeh F, Singh P, Sunkavalli K, and Nanda NC. "Live/Real Time Three-Dimensional Transesophageal Echocardiographic Findings in Caseous Mitral Annular Calcification". *Echocardiography- A Journal of Cardiovascular Ultrasound and Allied Techniques* 2010 Oct; 27(9): 1147- 1150. PMID 20868440
2. Martinez Hernandez C, Sunkavalli KK, Nanda NC, Lohiya V, Martinez Sanchez A, Iñiguez K, **Singh A**, Nabavizadeh F, Singh B. "Incremental role of three-dimensional over two-dimensional ultrasound in the assessment of traumatic peripheral arteriovenous fistula". *Echocardiography.* 2011 Apr; 28(4): 480-1. PMID 21504468
3. Fegley MW, Redstone EA, **Singh A**, Agrawal S, Shirani J, Nanda S. Isolated acute traumatic aortic injury following cardiopulmonary resuscitation with excessively forceful chest compressions. *International Journal of Academic Medicine* 2015; 1:29-31
4. Lin A, Fegley M, **Singh A** and Nanda S. Gossypiboma: A clinical vignette and summary of radiological characteristics. *International Journal of Academic Medicine* 2016; 2:106-8
5. Aradhya M, Manda Y, Vefali H, Agrawal S, **Singh A**, Sinha A and Shirani J. Multimodality Imaging of Left Ventricular Non-Compaction Cardiomyopathy Associated with Situs Inversus. *Journal of Cardiovascular Disorders.* 2016; 3(1): 1024.

6. Fegley MW, **Singh A**, Longo S, Sharma SG, Nanda S. Central pontine myelinolysis: Insight into pathogenesis, in the absence of hyponatremia. *International Journal of Academic Medicine*. 2016 Jul 1;2(2):249.
7. Fegley MW, Duarte-Chavez R, Agrawal S, **Singh A**, Longo S, Nanda S. Stroke in pheochromocytoma: A novel mechanism. *International Journal of Academic Medicine*. 2016 Jul 1;2(2):220.
8. Duarte-Chavez R, Fegley MW, Stone LE, **Singh A**, Agrawal S, Nanda S. Heyde/Heyde-Warkentin syndrome: A case report and literature review. *International Journal of Academic Medicine*. 2016 Jul 1;2(2):243.
9. Fegley MW, Stone LE, Duarte-Chavez R, **Singh A**, Longo S, Nanda S. Bilateral facial palsy and neurosarcoidosis—An approach to a difficult diagnosis. *International Journal of Academic Medicine*. 2017 Jan 1;3(1):112.
10. Stone LE, Fegley MW, Agrawal S, **Singh A**, Longo S, Nanda S. Part 3: Differential diagnosis for an undiagnosed systemic condition. *International Journal of Academic Medicine*. 2017 Jan 1;3(1):141-50.
11. Stone LE, Fegley MW, Duarte-Chavez R, **Singh A**, Longo S, Nanda S. Part 1: Café-au-lait macule—Presentation and genesis. *International Journal of Academic Medicine*. 2017 Jan 1;3(1):124-31.
12. Fegley MW, Duarte-Chavez R, Fegley W, Stone LE, **Singh A**, Nanda S. Finger nail changes: A red flag for connective tissue disease. *International Journal of Academic Medicine*. 2017 Jan 1;3(1):197-201.
13. Shenoy S, **Singh A**, Acharya T. Incidental isolated septal infarct in a young patient with colon cancer. *European Heart Journal*. 2020 Aug 18. PMID 32810211
14. Ajmal M, **Singh A**, Kubba S, Hershman M, Acharya T. “Statin-Induced Triad of Autoimmune Myocarditis, Myositis and Transaminitis”. *Case Reports in Cardiology*. 2021 Apr 8;2021:6660362. PMID 33898067

Work in Progress

1. Role of multimodality imaging in evaluation of fat-containing left ventricular tumor: A Case Report
2. Spectrum of cardiac MRI findings in cardiac transplant rejection
3. Variation of landing zone size during cardiac cycle by CT and effect on Watchman device sizing
4. Comparison of Quantitative T2 mapping and cardiac FDG-PET in cardiac sarcoidosis

Conferences/ Scholarly Presentations

Local

1. Invited Speaker: "Cardiac PET Imaging Part 1". Advanced Imaging Conference, Banner University Medical Center, Tucson, AZ. May 19, 2020.
2. Invited Speaker: "Cardiac PET Imaging Part 2". Advanced Imaging Conference, Banner University Medical Center, Tucson, AZ. June 18, 2020.
3. Invited Speaker: "Multimodality Imaging in Prosthetic Endocarditis". Advanced Imaging Conference, Banner University Medical Center, Tucson, AZ. May 6, 2020.
4. Invited Lecturer: "Cardiovascular Drugs" Cardiovascular Pharmacology Lecture. University of Arizona, Tucson, AZ. September 23, 2020.
5. Invited Speaker: "Database Research". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. November 5, 2020.
6. Invited Speaker: "CT/MRI". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. February 11, 2021.
7. Invited Speaker: "Cardiac PET Part 1". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. March 11, 2021.
8. Invited Speaker: "PET Part 2". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. May 26, 2021.
9. Invited Speaker: "Multi-modality Imaging". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. February 3, 2022.
10. Invited Speaker: "Role of Multi-modality imaging in prosthetic infective endocarditis". College of Medicine Grand Rounds, University of Arizona, Tucson, AZ. February 23, 2022.
11. Invited Speaker: "Overview of Nuclear SPECT". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. April 7, 2022.
12. Invited Speaker: "Cardiac PET". Non-Invasive Diagnostic Cardiology Conference, Sarver Heart Center, Tucson, AZ. May 3, 2022.
13. Invited Speaker: "Intro to Cardiac PET Part 1". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. May 26, 2022.
14. Invited Speaker: "Intro to Cardiac PET Part 2". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. June 9, 2022.
15. Invited Speaker: "Basis of Cardiac Pet Part 1". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. October 20, 2022.

16. Invited Speaker: "MRI Myocardial masses/thrombi". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. December 15, 2022.
17. Invited Speaker: "MMI is Takotsubo". Non-Invasive Diagnostic Cardiology Conference, Sarver Heart Center, Tucson, AZ. February 7, 2023.
18. Invited Speaker: "Cardiac SPECT". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. February 16, 2023.
19. Invited Speaker: "MMI in Prosthetic Endocarditis". Non-Invasive Diagnostic Cardiology Conference, Sarver Heart Center, Tucson, AZ. March 28, 2023.
20. Invited Speaker: "MUGA and Myocardial Viability". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. April 20, 2023.
21. Invited Speaker: "Cardiac PET". General Cardiology Fellowship Core Conference, Sarver Heart Center, Tucson, AZ. June 15, 2023.
22. Invited Speaker: "Introduction to SPECT". Non-Invasive Diagnostic Cardiology Conference, Sarver Heart Center, Tucson, AZ. July 23, 2024.
23. Invited Speaker: "SPECT, Part 2". Non-Invasive Diagnostic Cardiology Conference, Sarver Heart Center, Tucson, AZ. August 8, 2024.

National/International

1. Invited Speaker: "Massive thrombosis of a structurally normal Mitral valve in primary-antiphospholipid antibody syndrome". World Congress of Heart Disease, Boston, MA. July 2016.
2. Invited Speaker: "Long term complications of epicardial pacing wires abandoned following cardiac surgery". World Congress of Heart Disease, Boston, MA. July 2016.
3. Invited Speaker: "Marijuana (Cannabis) use is an Independent Predictor of Stress Cardiomyopathy in Younger Men". American Heart Association, New Orleans, LA. November 2016.
4. Invited Speaker: "Childbirth related complications in women with hypertrophic cardiomyopathy". American College of Cardiology, Washington, DC. March 2017.
5. Invited Speaker: "Cardiovascular complications and in-hospital outcomes of Chagas' disease in the United States from 2003 – 2011". American College of Cardiology, Washington, DC. March 2017.
6. Invited Speaker: "Cardiac transplantation in hypertrophic cardiomyopathy in the United States: 2003 – 2011. European Society of Cardiology, Barcelona, Spain. August 2017.
7. Invited Speaker: "Prevalence and in-hospital outcomes of cardiac sarcoidosis in the United States from 2003 – 2011". American Heart Association, Anaheim, CA. November 2017.

8. Invited Speaker: “Comparing incidence of Stroke and Non-CNS embolism in patients with symptomatic and asymptomatic atrial fibrillation: insights from the ORBIT AF Registry”. American Heart Association, Anaheim, CA. November 2017.
9. Invited Speaker: “In-hospital outcomes of ST Elevation Myocardial infarction in centenarians”. American Heart Association, Anaheim, CA. November 2017.
10. Invited Speaker: “Gender differences in disease profile and in-hospital outcomes of patients with Takayasu arteritis”. American College of Cardiology, Orlando, FL. March 2018.
11. Invited Speaker: “Cardiac Positron Emission Tomography”. Cardiology Fellowship Program at St Luke’s University, Bethlehem, PA. February 10, 2022 via Zoom.

Poster Presentations

1. **Singh A**, et. al. Transient left ventricular regional ballooning during dobutamine stress echocardiography. Presented at American Society of Echocardiography, Seattle, WA. June 2016.
2. **Singh A**, et. al. Native valve emphysematous enterococcal endocarditis. Presented at World Congress of Heart Disease, Boston, MA. July 2016
3. **Singh A**, et. al. Mitral valve replacement at time of myectomy for hypertrophic obstructive cardiomyopathy. Presented at European Society of Cardiology, Barcelona, Spain. August 2017.

Peer Reviewed Abstracts

1. Manda Y, Aradhaya M, Vefali H, Agrawal S, **Singh A**, Sinha A, Sarnoski C, Puleo P, Durkin R, Shirani J. Changes in left Ventricular Ejection Fraction Following Percutaneous Intervention of Coronary Chronic Total Occlusion: Systemic Review and Meta-analysis. Catheter Cardiovascular Interventions. 2015; 85 (S2): S3.
2. Manda Y, Aradhaya M, Vefali H, Agrawal S, **Singh A**, Sinha A, Sarnoski C, Puleo P, Durkin R, Shirani J. Comparison of Transradial and Transfemoral Approach for Coronary Artery Bypass Graft Angiography and Intervention: Systemic Review and Meta-Analysis. Catheter Cardiovascular Interventions. 2015; 85 (S2): S171.
3. M. Aradhya, H. Vefali, J.P. Perdomo Rodriguez, Y. Manda, S. Agrawal, A. **Singh**, A. Sinha, J. Shirani. Comparison of Manual Compression and Arterial Closure Device Following Percutaneous Coronary Intervention in Patients with STEMI using BARC Classification. CARDIOLOGY 2015 Jan 1 (Vol. 131, pp. 158-158). Allschwilerstrasse 10, CH-4009
4. Manda YR, Sinha A, Agrawal S, **Singh A**, Shirani J. Dobutamine stress echocardiography for cardiovascular risk stratification prior to renal transplant. Cardiology 2015; 131; 126-126.

5. Sinha A, **Singh A**, Kumar R, Shirani J. Pericardial decompression syndrome: An entity in need of urgent attention. *CARDIOLOGY* 2015 Jan 1 (Vol. 131, pp. 124-124). Allschwilerstrasse 10, CH-4009 Basel, Switzerland: Karger.
6. Elsayed M, **Singh A**, Nanda NC. Incremental Value of Three- Dimensional Echocardiography over the Two-Dimensional Technique in the Assessment of Transposition of the Great Arteries in the Adult. American Heart Association. Orlando 2015.
7. Agrawal S, Nanda S, Garg S, Manda Y, **Singh A**, Sinha A, Vefali H, Quddus A, Shirani J. Implantable Cardioverter Defibrillator Implantation Improves Outcome of Patients with Left Ventricular Assist Devices. American College of Cardiology. Chicago 2016.
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