

RUPA M. SANGHANI, MD, FACC, FASNC

Rush University Medical Center
Division of Cardiology
Chicago, IL. 60612

Office: (312) 563-7473
Fax: (312) 563-7475

EDUCATION

1991-1995 Bachelor of Musical Arts, Voice Performance, University of Michigan, Ann Arbor, MI
1995-1999 Medical Doctorate, School of Medicine, University of Michigan, Ann Arbor, MI
1999-2002 Residency, Department of Medicine, New York Presbyterian Hospital, Cornell Campus, New York, NY
2001-2002 Assistant Chief Resident, New York Presbyterian Hospital, Cornell Campus, New York, NY
2003-2006 Fellowship in Cardiovascular Disease, University of Chicago, Chicago, IL

LEADERSHIP TRAINING

2007-2009 American Society of Nuclear Cardiology (ASNC) Leadership Development Program
2023 Cardiovascular Business and Management Essentials – Wharton Certificate

ACADEMIC APPOINTMENTS

2022- Professor, Section of Cardiology, Rush University Medical Center, Chicago, IL
Section Chief of General Cardiology
Director of Nuclear Cardiology and Stress Laboratory
Associate Director for the Rush Heart Center for Women
Director, Inpatient Cardiology and Cardiology Consult Service
2016-Oct 2022 Associate Professor, Section of Cardiology, Rush University Medical Center, Chicago
2006-2015 Assistant Professor, Department of Medicine, University of Chicago, Chicago, IL.
2002-2003 Clinical Instructor in Medicine, New York Presbyterian Hospital, Cornell Campus, New York, NY
2002-2003 Assistant Attending Physician, Hospital for Special Surgery, New York, NY
2001-2002 Assistant Chief Resident, New York Presbyterian Hospital, Cornell Campus, New York, NY

OTHER APPOINTMENTS

7/2020- Special Government Employee – Federal Drug Administration, Medical Imaging Drug Advisory Committee

EMPLOYMENT

2016- Associate Professor, Division of Cardiology, Rush University Medical Center, Chicago, IL
2006-2015.1 Assistant Professor, Department of Medicine, University of Chicago, Chicago, IL.
2002-2003 Clinical Instructor in Medicine, New York Presbyterian Hospital, Cornell Campus, New York, NY
2002-2003 Assistant Attending Physician, Hospital for Special Surgery, New York, NY

CERTIFICATION AND LICENSURE

2002, 2012- Internal Medicine, American Board of Internal Medicine
2005, 2014- Nuclear Cardiology, Certification Board of Nuclear Cardiology
2006, 2016- Echocardiography, American Society of Echocardiography
2006, 2015- Cardiology, American Board of Internal Medicine

2000- Permanent Licensed Physician, State of New York (inactive)
2003- Permanent Licensed Physician, State of Illinois

2006- Level II Certification, Transthoracic and Transesophageal Echocardiography

2016- ECHO – teach while reading ECHO studies. read 3-4 shifts/month (occasional students/resident/other fellows)

Rush University Medical Center- Graduate Medical Education (residency and clinical fellowships)

(a) Course Director:

2016- Nuclear Cardiology and Stress Laboratory

- I oversee the curriculum and reading for all cardiology fellows (both from Rush and Cook County) as they rotate through our stress laboratory and nuclear cardiology rotations. In addition, we often have radiology residents and NM fellows that participate in reading sessions. In conjunction with our Cardiac CT/MRI program, we will be starting an advanced imaging fellowship program in 2022.
- Started the First Cardiac PET program in the State of Illinois in 2019
- Our nuclear lab and new PET program have served as a PET site tour visit for the American Society of Nuclear Cardiology Annual Meeting in 2019, and been 1 of 6 invited program for live “Cases with the Aces” at ASNC Scientific Sessions 2020.

2016- Course Director, Cardiology Consult Service.

- I oversee the curriculum, program, and evaluations for all PA students, medical students, interns and residents rotating through the cardiology consult service. I implemented a formal teaching curriculum with standardized lectures on core topics to be given monthly on the consult service.

2021 Director, Cardiology Inpatient Telemetry Unit

- Currently helping to design and implement a new cardiology inpatient service that would facilitate quality patient care, throughput and resident teaching on core cardiology admission indications.

(b) Didactic:

2016- Introduction to Nuclear Cardiology, Annual lecture for fellows

2016- Introduction to Cardiac PET, Annual lecture for fellows

2017- Chamber Quantification, Annual lecture for fellows

2017- Pregnancy and the Heart, Annual lecture for fellows

2016- Nuclear Cath Correlation Conference, Monthly for fellows/staff

(c) Clinical:

2016- Consult service attending rounds: 6-7 weeks/year, Fellow, Interns, Residents (1 Fellow, 2-5 residents, 2-5 students/month)

2016- Weekly in Nuclear Cardiology – Fellow teaching, read 4x/month (1 Fellow/month)

2016- Clinic Fellow – supervise a fellow for 12 months/year in clinic

2016- ECHO Lab – weekly reading, teaching and supervision of fellows (2-3 fellows/month)

2016- Stress Lab- Supervise fellows in the stress lab (weekly)

Pritzker School of Medicine (M.D.)/University of Chicago:

(a) Course Director:

2005-2015 Course Director, Introduction to the ECG for 3rd year medical students (16 classes/year), MS3 (the whole MS3 class over the course of the year)

- I restructured the series of lectures and the EKG case file that accompanies it. The course was recorded and accessible on line. I personally gave the lectures as a 4 week course that was given 4x/year.

2007-2015 Course Co-Director, Introduction to Nuclear Cardiology course, MS4 Elective, 2-4weeks (8-10 students annually)

- 2010 Invited Speaker for Grand Rounds. Women and Heart Disease. Medicine Grand Rounds, Gottlieb Medical Center, Elmhurst, IL
- 2012 Invited Speaker for Grand Rounds. Exercise and the Patient with Coronary Artery Disease. Schwab Rehabilitation Center, Chicago, IL.
- 2014 Invited Speaker for Grand Rounds. Advances in Nuclear Imaging: Focus on PET. University of Chicago, Section of Cardiology, Chicago, IL.
- 2015 Invited Speaker for Grand Rounds. Advances in Nuclear Imaging: Focus on PET. University of Chicago, Section of Cardiology, Chicago, IL.
- 2015 Invited Speaker for Grand Rounds. Caring for the Pregnant Patient with Cardiovascular Disease: The Heart-Baby Connection. Department of Ob/Gyn. Rush University Medical Center, Chicago, IL
- 2015 Invited Speaker for Grand Rounds. Prevention and Screening for Cardiovascular Risk in Women. Department of Ob/Gyn. Rush University Medical Center, Chicago, IL
- 2017 Invited Speaker for Grand Rounds. Prevention and Screening for Cardiovascular Risk in Women. Professional Nursing Committee Education Committee. Rush University Medical Center, Chicago, IL
- 2017 Invited Speaker for Grand Rounds. Prevention and Screening for Cardiovascular Risk in Women. Department of Internal Medicine, Presence Saint Joseph Hospital, Chicago, IL
- 2019 Invited Speaker. Advances in Nuclear Cardiology: The Era of PET. Internal Medicine Grand Round. Rush University Medical Center, Chicago, IL.
- 2019 Invited Speaker. Grand Rounds. Advances in Nuclear Cardiology: The Era of PET. Cardiology Grand Rounds. Rush University Medical Center, Chicago, IL
- 2020 Invited Speaker. Grand Rounds. Advances in Nuclear Cardiology: The Era of PET. Cardiology Grand Rounds. University of Illinois, Chicago, IL
- 2020 Invited Speaker. Grand Rounds. Advances in Nuclear Cardiology: The Era of PET. Cardiology Grand Rounds. Rush University Medical Center, Chicago, IL
- 2021 Invited Speaker. Grand Round. Patient centered stress testing in a World Full of Choices. General Internal Medicine Grand Rounds. Rush University Medical Center, Chicago, IL
- 2021 Invited Speaker. Grand Rounds. Advances in Nuclear Cardiology: The Era of PET. Cardiology Grand Rounds. Illinois Masonic Hospital. Chicago, IL
- 2021 Invited Speaker. Grand Rounds. Cardiac PET Myocardial Perfusion Imaging: A New Era in Stress Testing. Gerontology Round. Rush University Medical Center, Chicago, IL

Multi-modality Imaging, by ¹Rush University Medical Center, Chicago, IL, ²Cardiology, Cook County Health and Hospitals System, Chicago, IL ASNC 2020
- Gomez JMD, Du-Fay-de-Lavallaz J, Fugar S, Simmons A, Sarau A, Clark B, Doukky R, **Sanghani R**, Aggarwal N, Williams, KA, Volgman A. Sex Differences in COVID 19 Hospitalization and Mortality in Chicagoland. Circulation Nov 2020: AHA Scientific Sessions.

Leadership at RUMC

- 2016- Director of Nuclear Cardiology
In 2019, I built the first cardiac PET program in the State of Illinois at RUMC. I designed and led a complete revision of our nuclear cardiology program, with the acquisition of completely new hardware and software including a dedicated Cardiac PET camera, new reporting program, training of additional faculty, facilitated communication with insurers on the new program, and quality improvement in moving all nuclear cardiac imaging services to Cardiology ownership. Growth in Nuclear Cardiology has been >70% over the last 2 years.
- 2016- Director of Cardiac Stress Lab
I supervise the cardiac stress lab, ensuring safety protocols are in place, and oversee the medical decisions needed to run a smooth and effective lab. Since I started at Rush, I have revamped the ordering protocol, reviewed our emergency procedures and streamlined our weekend protocol.
- 2016- Director for Cardiology Consult Service
I direct the cardiology consult service and implemented a new/formal teaching curriculum when I started. This includes a set of "core" lectures that are given on a monthly basis to the medical residents and students on the rotation. In addition, I have reestablished a new cardiology answering service for our consult attendings when on call to improve the quality and efficiency of outpatient phone calls after hours.
- 2016- Associate Director of Rush Heart Center for Women
I work actively with Annabelle Volgman MD, Director of the Center, to improve our clinical models, create research projects and to do community outreach and education on the incidence of heart disease in women. I am our expert on CardioObstetrics and am formalizing our program
- 2021- Section Chief of General Cardiology
I oversee the section of General Cardiology, which include 17 physicians, our APPs and overall outpatient and inpatient services for general cardiology. This includes our main outpatient clinic at Rush main campus, but also 6 offsite locations and our inpatient cardiology consult service. I am currently redesigning our outpatient clinical practice to improve patient care quality/safety, optimize our efficiency and improve provider satisfaction.

COMMUNITY SERVICE

- 2006-2009 AHA Go Red for Women Medical Advisory Committee for Chicago
2007-2012 American Society of Nuclear Cardiology Quality Assurance Committee
2008 Sister to Sister- Chicago Medical Advisory Board
2007-2010 American Society of Nuclear Cardiology Education Committee
2009 FOCUS Campaign Workgroup, American College of Cardiology
2010-2015 Member, Intra and Inter-Observer Variability Project, American Society of Nuclear Cardiology
2016- ACC Cardioserve
2017-2020 American College of Cardiology, Member, Cardiovascular Imaging Section Leadership Council
2018-2020 ASNC, Referring Wisely Committee
2018 ASNC 2019 Annual Scientific Sessions Program Committee
2020-2021 Chair of Viability Module, American Society of Nuclear Cardiology, Nuclear Cardiology Knowledge Self-Assessment Program

consistent and quality interpretations. I also oversaw proper training and quality in our new modality and worked with the CMO's office to transition all nuclear MPI reading to Cardiology. As this was the first program of its type in the State, I worked closely with our insurance group and preauthorization team to ensure smooth approval and reimbursement for this new program.

Cardiology Inpatient Service

I am currently working with administration on the development of a dedicated cardiology telemetry unit. This unit will host 16 beds dedicated to the care of cardiac patients, ensure adequate transition for patients needing to "step down" from the ICU, and provide comprehensive bundled services to patients, to include pharmacy, nutrition, and social work and reduce readmissions. The unit will be staffed by an attending cardiologist and residents, who will receive teaching on core cardiology topics and management of inpatients with cardiac disease.

COVID19

During the COVID-19 pandemic I worked with our stress lab and nuclear cardiology lab to revise our protocols to ensure safety for our patients and staff. In addition, I designed an inpatient schedule to provide backup inpatient coverage of COVID patients, if needed.

Clinical Research/Clinical Trials

Nuclear Cardiology

I am currently setting up our nuclear cardiology database that we will provide comprehensive Ddata on all of our cardiac MPI studies, amyloid, viability, and sarcoid studies. I hope to have this interdigitate with her other imaging modalities so that we can provide cross modality imaging comparisons.

Development of a new line of patient care/clinic

Development of the Cardiac PET Perfusion Program at Rush	2019
General Cardiology Clinic Redesign	In Progress, 2023
Development of Formal Cardio-Obstetrics Clinic	2021
Development of Coronary Microvascular Disease program	2022-

Overview:

2016-

Nuclear Cardiology

Director: Developed the Cardiac PET program in 2019, complete revision of the program

Clinical work:

(Read nuclear stress tests 5-6 days/month) I am responsible for reading nuclear stress tests for the hospital and outpatient center 5-6 days/month with an average of 10-16 studies per day. I supervise cardiology fellows and occasional students in the nuclear lab. Teaching is done through case presentation, review of nuclear images and informal lecture/discussion. I also facilitate board review preparation for senior fellows in preparation for nuclear certification.

2016-

Stress Laboratory

Director:

As Medical Director of the stress laboratory at Rush, I oversee all of stress protocols to ensure quality and safety for our patients. I work closely with our nurses in regards to our emergency plan, facilitating questions on an almost daily basis regarding patient appropriateness for studies or changes that may need to be made. I supervise nuclear and echo stress tests on a regular basis and train cardiology fellows on ECG interpretation of stress tests. With the COVID-19 pandemic, I restructured our stress laboratory and protocols to accommodate for

(2-4 hours per day in 2 week blocks for a total of 4 months/year). I was responsible for the care of 4-10 patients/day on the inpatient cardiology service. I supervised and directed a team of 2 house staff and a medical student in caring for these patients. Teaching was done through case presentation, bedside teaching, review of CXR, ECHO, Cath and Nuclear images, and informal lecture/discussion

2006-2015 Cardiology Consult Service
(2-6 hours per day in 1 week blocks, for a total of 2 months/year, concurrent with inpatient service). I was responsible for consultative services on 4-12 patients/day. I supervised and directed a team of 1 cardiology fellow, 2-3 house staff and 1-2 medical students in the care of inpatients being consulted for cardiology issues. Teaching was done through case presentation, bedside teaching, review of CXR, ECHO, Cath and Nuclear images, and informal lecture/discussion

2006-2015 Cardiology Clinic
(I saw outpatients during 3 half day clinics/week, total about 35 patients/week) I was responsible for cardiology patients that I saw on a regular basis in my outpatient clinic. I saw about 25-30 return patients/week, and 5-10 new patients/week. In addition to clinic, I spent considerable time on patient follow-up, and returning patient phone calls and emails. I also supervised a fellow in clinic who saw patients with me once/week. I built a strong collaboration with our perioperative center and facilitated cardiology preoperative evaluations for our surgeons.

2006-2015 Nuclear Cardiology
(Read nuclear stress tests 6 afternoons/month) I was responsible for reading nuclear stress tests for the hospital and outpatient center 6 afternoons/week, with an average of 8-10 studies per day. I supervised a cardiology fellow and occasional students in the nuclear lab. Teaching was done through case presentation, review of nuclear images and informal lecture/discussion. I also facilitated board review preparation for senior fellows in preparation for nuclear certification. I started our cardiac PET program and created the program on Cardiac PET Sarcoid Imaging.

2009-2015 EKG reader
(Read EKG's for the hospital 4-5 days/month, total ~160 EKG/session). I read EKGs for the hospital on the weekends when covering the inpatient service and 3-5 weekdays/month as well. I supervised fellows in EKG reading on the weekday sessions.

COMMITTEE AND ADMINISTRATIVE SERVICES

Rush University Medical Center 2016-

Departmental

2016- DOM Education Steering Committee
2016- Cardiology Fellowship Application Interviewer
2016-2017 DOIM Division Marketing Plan Committee
2019-2021 Rush CHF Readmission Pathway
2020- Cardiology Readmissions Committee
2022- Section Chief, General Cardiology

Medical College

2016- DOM Medical Student Leadership Committee

Previous Institutions -University of Chicago 2006-2015

Committee Membership:

2006-2015 Medicine Internship Application Interviews (4-8 interviews/year)

- 7/1/21-6/30/25 FDA, Medical Imaging Drug Advisory Committee
2022 ASNC 2022 Scientific Sessions Program Committee, Chair of Cases with the Aces
2022 Co-Chair/Director – ASNC Conference: Nuclear Imaging in Women and Special Populations
2022-2025 ASNC Board of Directors
2023- ASNC PET Committee, Deputy Chair

Review for Professional Journals

- 2010- *Ad hoc* Reviewer, Journal of Nuclear Cardiology
2010- *Ad hoc* Reviewer, Heart Failure Reviews.
2011- *Ad hoc* Reviewer, American Journal of Cardiology

Invited/Oral Presentations at Regional, National and International Meetings

- 2006 Young Investigator Award Presentation/Winner. Clinical Application of the Appropriateness Criteria for SPECT. American Society of Nuclear Cardiology National Meeting
- 2007 Invited Speaker. Chicago Medical Society CME. Women and Heart Disease
- 2009 Invited Speaker. Appropriateness Criteria: Case Presentation. American College of Cardiology
- 2010 Invited Speaker. Update on Appropriateness Criteria. American Society of Nuclear Cardiology Fellow's Workshop.
- 2010 Invited Speaker. Update on Advanced Cardiovascular Imaging. Indiana Society of Cardiopulmonary Rehabilitation Annual Meeting. Indiana
- 2010 Invited Speaker. The importance of taking your medications. Women Heart Program, Chicago, IL
- 2010 Invited Speaker/Panelist: Understanding Advances in Contemporary Nuclear Cardiology Techniques: A Case based approach. The Heart.Org
- 2011 Invited Speaker. Update on Appropriate Use Criteria for SPECT. American Society of Nuclear Cardiology Fellow's Workshop.
- 2011 Invited Speaker. Appropriate Use of Nuclear Cardiac Imaging: How to apply in daily practice. American College of Cardiology
- 2012 Invited Speaker. Update on Appropriate Use Criteria for SPECT and CT. American Society of Nuclear Cardiology Fellow's Workshop. Chicago, IL
- 2013 Invited Speaker. Case Presentation on Cardiac CT. American Society of Nuclear Cardiology Scientific Sessions. Chicago, IL
- 2013 Invited Speaker. Nuclear Cardiology Quiz Bowl. American Society of Nuclear Cardiology Scientific Sessions. Chicago, IL
- 2014 Invited Speaker. Maintenance of Certification Session. American Society of Nuclear Cardiology Scientific Sessions. Boston, MA
- 2016 Invited Speaker. Maintenance of Certification Session. American Society of Nuclear Cardiology Scientific Sessions. Boca Raton, FL

- 2022 Invited Speaker, ASNC. Cardiac PET Intensive Program. Expert for live breakout sessions reviewing cardiac PET cases. (3 1.5 hour long breakout sessions)

Invited Seminars and Lectures

- 2004 Invited Speaker for Grand Rounds. Exercise and Rehabilitation for the patient with Coronary Artery Disease, Schwab Rehabilitation Center, Chicago, IL
- 2007 Town Hall Panel. AHA Go Red for Women Luncheon, Chicago, IL
- 2007 Invited Speaker for Grand Rounds. Pregnancy and the Heart. Department of Obstetrics/Gynecology, University of Chicago, Chicago, IL
- 2008 Invited Speaker for Grand Rounds. Preoperative Evaluation for Vascular Surgery. Section of Vascular Surgery, University of Chicago, Chicago, IL
- 2008 Town Hall Panel. AHA Go Red for Women Luncheon, Chicago, IL
- 2008 Invited Speaker for CME. New Frontiers in Clinical Cardiology and CV Surgery: A Case Presentation, Chicago, IL
- 2008 Invited Speaker for Grand Rounds. Coronary Artery Disease in Lupus and RA. Department of Rheumatology, University of Chicago, Chicago, IL
- 2009 Invited Speaker. Appropriateness in Cardiovascular Imaging. Astellas Advisory Board Meeting, San Francisco, CA
- 2009 Invited Speaker for Grand Rounds. Women and Heart Disease. Medicine Grand Rounds, Gottlieb Medical Center, Elmhurst, IL
- 2010 Invited Speaker. FOCUS Campaign Welcome Webinar
- 2011 Invited Speaker. Update on the Appropriate Use Criteria for SPECT. Cardinal Health
- 2011 Invited Speaker. Update on PET imaging. Astellas Advisory Board Meeting, Chicago, IL
- 2012 Invited Speaker. Advances in Nuclear Cardiology. University of Chicago CME, Chicago, IL
- 2012 Invited Speaker. The Changing Landscape of Nuclear Imaging: Focus on PET. University of Chicago CME
- 2012 Invited Speaker for Grand Rounds. Exercise and the Patient with Coronary Artery Disease. Schwab Rehabilitation Center, Chicago, IL.
- 2012 Invited Speaker for Grand Rounds. Advances in Nuclear Imaging: Focus on PET. University of Chicago, Section of Cardiology, Chicago, IL.
- 2013 Invited Speaker for Grand Rounds. Advances in Nuclear Stress Testing: Cardiac PET. University of Chicago, Department of Medicine, Chicago, L.
- 2016 Overview of the Rush Heart Center for Women. A day with Congressman Danny Davis. Rush University Medical Center, Chicago, IL

- 2021 Invited Speaker. ASNC Nuclear Cardiology Today. Coronary Microvascular Disease: From Mystery to Reality. Virtual program
- 2021 Invited Speaker. ASNC Nuclear Cardiology Today. New Onset Systolic Dysfunction: Can Ischemic Cardiomyopathy be Excluded with Cardiac Imaging? Do all Patients Need a Cath? Virtual program
- 2021 Invited Speaker. SNMMI Annual Scientific Session. Practical Solutions to Starting a Cardiac PET Program. Virtual program
- 2021 Invited Speaker. Cardiovascular Institute. Best Practices in PET Reporting. Virtual program
- 2021 Invited Speaker. British Institute of Radiology and ASNC Conference Current Trends in Nuclear Cardiology. Nuclear Cardiology Practice- Current Guidelines: An American Perspective. Virtual Program
- 2021 Invited Speaker and Panelist. ASNC Multimodality Imaging in Chest Pain. Webinar
- 2021 Invited Speaker, ASNC 2021 Scientific Session. I Know How to Read SPECT MPI. How Can I Learn to Interpret and Report a PET MPI study? Virtual Meeting
- 2021 Invited Speaker, IL-ACC – Debate on Stress testing vs. Cardiac CTA. Chicago, IL
- 2021 Invited Speaker, ASNC. Future Leaders of Nuclear Cardiology 2021, breakout sessions. Virtual Meeting
- 2024 Invited Speaker, ACC Clinical Nuclear Cardiology: From the “Nuts and Bolts” to the Recent Advances. Key Aspects of PET interpretation and reporting. Online Education Product
- 2022 Invited Speaker ASNC Annual Scientific Session. Expert Panel on Hybrid Imaging
- 2022 Invited Speaker ASNC Annual Scientific Session. Expert Panel, PET – Cases with the ACES
- 2022 Invited Speaker ASNC Annual Scientific Session. Speaker: How to incorporate flow: Case by Case examples
- 2023 Invited Speaker, ASNC. Cardiac PET Intensive Program. Expert for live breakout sessions reviewing cardiac PET cases. (3 1.5 hour long breakout sessions)

Continuing Medical Education

- 2007 Chicago Medical Society CME. Women and Heart Disease
- 2008 New Frontiers in Clinical Cardiology and CV Surgery: A Case Presentation, University of Chicago CME, Chicago, IL
- 2012 Advances in Nuclear Cardiology. University of Chicago CME, Chicago, IL
- 2012 The Changing Landscape of Nuclear Imaging: Focus on PET. University of Chicago CME
- 2017 Hypertension in Pregnancy. 18th Annual Cardiovascular Symposium: Cardiology for the Primary Care Physician. Chicago, IL.

ADMIRE-HF: AdreView Myocardial Imaging for Risk Evaluation in Heart Failure Industry sponsored study. My role: Site PI, 2014-2015

Sub-Investigator: Multi-Center Trials

FRESNO. A Phase 3, open-label, multi-center, randomized, parallel group study of the efficacy and safety of fixed combination torcetrapib/atorvastatin administered qd compared to fixed combination ezetimibe/simvastatin for 6 weeks in subjects with dyslipidemia. Site Sub-Investigator, 2005-2006

MIP-BP22. Development of a normal database and criteria for abnormality for B-methyl- ^{123}I -Iodophenyl-pentadecanoic acid for Quantitative Imaging Site Sub-Investigator 2006-2007

MIBG Heart Failure Study. Site Sub-Investigator 2006-2007

SPARC trial. Study of Myocardial Perfusion and Coronary Anatomy Imaging Roles in CAD. Site Sub-Investigator 2006-2007

Crescendo Trial. Comprehensive Rimonabant Evaluation Study of Cardiovascular Endpoints and Outcomes. Site Sub-Investigator. 2006-2007

CORAL Trial. Cardiovascular Outcomes in Renal Atherosclerotic Lesions . Site Sub-Investigator 2008-2013

Non-funded Research

Principal Investigator - Investigator Initiated Single Center

2006-2009 Clinical Evaluation of the ACCF/ASNC Appropriateness Criteria for SPECT

2006-2009 Clinical Evaluation of the ACCF/ACR/SCCT/SCMR/ASNC/NASCI/SCAI/SIR Appropriateness Criteria for Cardiac Computed Tomography

2007-2009 Nuclear Cardiology Database Project

2010-2012 Stress only imaging in patients with prior SPECT imaging: new stress/old rest comparison

Secondary Investigator

(a) Single Center Trial

2007-2009 Clinical Evaluation of the ACCF/ASNC Appropriateness Criteria for ECHO, 2007-2

BIBLIOGRAPHY

Original Full-Length Manuscripts

(a) Published

1. EA Kozak, **R Mehta**. Implementation of an Ambulatory Setting in the Third Year Internal Medicine Clerkship. *Journal of General Internal Medicine*. 12 Supplement 1:92, April 1997.
2. RP Ward, MH Al-Mallah, G Grossman, **R Mehta**, E Ficaró. American Society of Nuclear Cardiology review of the ACCF/ASNC Appropriateness Criteria for Single Photon Emission Computed Tomography Myocardial Perfusion Imaging (SPECT MPI) *J Nucl Cardiol* 2007;14:911
3. **R Mehta**, R Agarwal, S Chandra, RP Ward, KA Williams. Evaluation of the ACCF/ASNC Appropriateness Criteria for SPECT Myocardial Perfusion Imaging. *J Nucl Cardiol* 2008;15:337-44

17. Kalra DK, Anderson C, Sohl S, **Sanghani R**, et al. Double-chambered left ventricle: a diagnosis made by multimodality imaging. *Journal of Echocardiography*. 2019; (<https://doi.org/10.1007/s12574-019-00429-w>)
18. Patel H, Aggarwal N, Rao A, Bryant E, **Sanghani, RM**, Byrnes, M, Kalra D, Dairagh L, Braun L, Gabriel S, Volgman AS. Microvascular Disease and Small-vessel Disease – The Nexus of Multiple Diseases of Women- A Narrative Review, *Journal of Women’s Health*. 2020 Feb 19. [https:// doi: 10.1089/jwh.2019.7826](https://doi.org/10.1089/jwh.2019.7826)
19. Madan N, Gajo E, **Sanghani RM**, Volgman AS. Sex-Based Considerations in the evaluation of chest pain and management of obstructive coronary artery disease. *Current Atherosclerosis Reports* 2020; 22:39. <https://doi.org/10.1007/s11883-020-00855-7>
20. Lama von Buchwald C, **Sanghani R**. PET Myocardial Perfusion Imaging in the Diagnosis of Apical Hypertrophic Cardiomyopathy. *J Nucl Cardio* 2020. PMID: 33034834 DOI: [10.1007/s12350-020-02344-5](https://doi.org/10.1007/s12350-020-02344-5)
21. Fugar S, Du-Fay-de-Lavallaz J, Gomez JMD, **Sanghani R**, Clark B et al. Characteristics of Hispanic, White, and Non-Hispanic Black Patients Screened and Hospitalized for COVID 19 in Chicago, USA- submitted *Journal of Racial and Ethnic Health Disparities*
22. Bello NA, Bairey Merz C. Noel, Brown H, **Sanghani R**, Lindley K et al. Diagnostic Cardiovascular Imaging Therapeutic Strategies in Pregnancy JCC Focus Seminar 4/5 (on behalf of the ACC Cardiovascular Dz in Women Committee and the Cardio-Obstetrics Work Group) *JACC* 2021;77(14):1813-22
23. Gomez JM, Du-Fay-de-Lavallaz J, Fugar S, Sarau A, Simmons A, **Sanghani R**, Volgman A et al. Sex Differences in COVID-19 Hospitalization and Mortality. *J Womens Health (Larchmt)*. 2021 May;30(5):646-653. doi: 10.1089/jwh.2020.8948. Epub 2021 Apr 7. PMID: 33826864.
24. Volgman AS, Gajo E, **Sanghani R**, Ischemic Heart Disease and Pregnancy: How Do They Interact?, *JACC: Advances*,2022 Vol 1(5). doi.org/10.1016/j.jacadv.2022.100144
25. Hage F, Einstein A, Ananthasubramaniam K, **Sanghani R**, et al. Quality metrics for single-photon emission computed tomography myocardial perfusion imaging: an ASNC information statement. *J. Nucl. Cardiol.* (2023). <https://doi.org/10.1007/s12350-022-03162-7>
26. Parashar S, Akhter N, Paplomata E, **Sanghani R**, Dent S, et al. Cancer Treatment Related Cardiotoxicity in Gynecologic Malignancies- *JACCO* 2023;5:159-173
27. Planek M, Li S, Herbst L, **Sanghani R**, Chen S et al. Cardiovascular Imaging During Pregnancy in Women with Congenital and Valvular Heart Disease. *Current Cardiovascular Imaging Reports*. Published online July 17, 2023. <https://rdcu.be/dg41M>

Book Chapters

R Sanghani, KA Williams. *Nuclear Cardiac Imaging: Principles and Applications*, 5th edition. Chapter: Radionuclide Angiography: Planar and Tomographic (Oxford University Press 2015)

R Sanghani, KA Williams. *Nuclear Cardiology: Practical Applications*. 3rd edition. Chapter: Radionuclide Angiography- Equilibrium and First Pass (McGraw Medical 2017)

10. Brouch D, Sanghani RM. Don't just a book by its cover: The fixed non-perfused defect is not always infarction.

Other works that are publically available

- 2010 FOCUS Innovation Welcome Webinar, American College of Cardiology, January 2010, <http://www.cardiosource.org/Science-And-Quality/Quality-Programs/Imaging-in-FOCUS/About-the-FOCUS-Community.aspx>
- 2010 Understanding Advances in Contemporary Nuclear Cardiology Techniques: A Case based approach, The Heart.Org, November 2010, <http://theheart.medscape.org/viewarticle/733773>
- 2011 Update on the Appropriate Use Criteria for SPECT, Cardinal Health, January, 2011
- 2012 Update on the Appropriate Use Criteria for SPECT, Cardinal Health, February 2012
- 2019 How to start a PET program, Webinar. ASNC September 2019
- 2019 How to start a PET Program. <https://www.dicardiology.com/article/how-start-cardiac-pet-ct-imaging-program>
- 2022 Considerations in Starting a PET Program. ASNC official Monograph.