

RENUKA JAIN, MD FACC FASE

Governor, Wisconsin Chapter of American College of Cardiology
Board of Governors Chair-Elect, Board of Trustees, American College of Cardiology
Director of Echocardiography
Clinical Professor of Cardiovascular Medicine, Wake Forest School of Medicine
Aurora St. Luke's Medical Center, Milwaukee WI
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EDUCATION

1998	Bachelor of Arts (<i>Magna Cum Laude</i>) in Human Biology Brown University Providence, RI
2002	Doctorate in Medicine Columbia University College of Physicians and Surgeons New York, NY

POSTDOCTORAL TRAINING

2002–2005	Residency in Internal Medicine New York-Presbyterian Hospital Columbia University College of Physicians and Surgeons New York, NY
2006–2009	Fellowship in Cardiology and Echocardiography University of Michigan Health System Ann Arbor, MI

ACADEMIC APPOINTMENTS

2009–2011	Clinical Lecturer Cardiovascular Division, University of Michigan
2011–2014	Assistant Professor of Medicine Cardiovascular Division, University of Minnesota
2014–2018	Adjunct Clinical Assistant Professor of Medicine University of Wisconsin School of Medicine and Public Health
2018–2025	Adjunct Clinical Associate Professor of Medicine University of Wisconsin School of Medicine and Public Health

2025-Present

Clinical Professor of Cardiovascular Medicine
Wake Forest School of Medicine, Wisconsin Division

CERTIFICATION, LICENSURES, EXAMINATIONS

2000-2002	United States Medical Licensing Examination (USMLE), Step I, II, III
2005-present	DEA Registration
2005-2015	American Board of Internal Medicine - Certification in Internal Medicine
2005-present	Certification in Basic and Advanced Cardiac Life Support
2003-2006	New York State License
2005-2007	Pennsylvania State License
2006-2013	Michigan Medical License
2009-2014	American Society of Nuclear Cardiology Board Certified in Nuclear Cardiology, COCATS Level II
2009-present	American Board of Internal Medicine - Certification in Cardiovascular Disease
2010-present	American Society of Echocardiography Certification in Comprehensive Echocardiography, COCATS Level III
2011-2014	Minnesota Medical License
2014-present	Wisconsin Medical License
2020-present	Society of Cardiac CT (SCCT) Board Certified in Cardiac CT, COCATS Level II
2022-2023	Physician National Leadership Program The HealthCare Academy, Rosslyn, VA

CLINICAL / HOSPITAL APPOINTMENTS

2005-2006	Intensive-Care Hospitalist Penn-Presbyterian /University of Pennsylvania Health System
2009-2011	Acting Director, Echocardiography Laboratory Staff Physician, Ann Arbor VA Healthcare System Staff Physician, University of Michigan Hospital

2011–2014	Medical Director, Cardiovascular Genetics Clinic Staff Physician, University of Minnesota Medical Center-Fairview
2014–present	Cardiologist Aurora St. Luke’s Medical Center, Advocate Aurora Health
2019–2023	Director of Structural and Interventional Echocardiography Aurora Cardiovascular Service Line
2023—present	Director of Echocardiography, Greater Milwaukee Aurora St. Luke’s Medical Center, Advocate Aurora Health
2023—present	Director, Advanced Imaging Fellowship Aurora St. Luke’s Medical Center, Advocate Aurora Health
2023—present	Medical Advisor, Cardiology, School of Diagnostic Sonography Aurora St. Luke’s Medical Center, Milwaukee WI
2024 –2025	Director of Echocardiography, Midwest Region Advocate Aurora Health

COMMITTEE AND ADMINISTRATIVE SERVICE

1999–2002	Student Coordinator and Co-Director, Student Success Network Columbia University College of Physicians and Surgeons New York, NY
2000–2002	Dean’s Advisory Committee <i>Elected by the medical-school class as a representative to the dean’s office</i> Columbia University College of Physicians and Surgeons New York, NY
2011–2012	Series Coordinator, Multimodality Imaging Conference University of Minnesota Medical Center-Fairview
2015–2018	Co-Chair, Faculty-Initiated Cardiovascular Investigator Research Committee Aurora Health Care
2015–2021	Rotation Director Echocardiography Curriculum General Cardiology Fellowship Aurora Health Care
2016–2018	Member, Aortic Stenosis Committee, Cardiovascular Service Line Aurora Health Care
2017–2019	Member, Conflict of Interest Committee Advocate Aurora Health

2017–2021	Member, Guidelines and Standards Committee American Society of Echocardiography
2019– 2021	Co-Chair, Cardiovascular Clinical Trials Committee Aurora Health Care St. Luke’s Medical Center
2019–2026	Member, Board of Directors American College of Cardiology, Wisconsin Chapter
2019–2021	Member, Committee for Leadership Development Advocate Aurora Health
2020–2022	Member, ASE Scientific Sessions Program Committee Chair, Structural and Valve Disease Track, ASE 2021 American Society of Echocardiography
2022-2023	Governor-Elect, American College of Cardiology, Wisconsin Chapter
2022-2025	Member, Industry Relations Committee American Society of Echocardiography
2023-2024	Interventional Echocardiography Representative to FASE Committee American Society of Echocardiography
2023-2026	Governor, American College of Cardiology, Wisconsin Chapter
2023-2024	Interventional Echocardiography Representative to FASE Committee American Society of Echocardiography
2024–2026	Chair, Midwest Regional Echocardiography Committee Advocate Aurora Health
2024-2026	Interventional Echocardiography Representative to Education Committee American Society of Echocardiography
2024–2026	Member, Interventional Echo Council Steering Committee American Society of Echocardiography
2024–2027	Chair, Echo Lab Medical & Technical Directors Leadership Forum American Society of Echocardiography
2025-2027	Board of Trustees Member American College of Cardiology
2026-2027	Chair, Board of Governors American College of Cardiology

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

2006–Present	American College of Cardiology, Fellow (2012→Present)
2009–Present	American Society of Echocardiography, Fellow (2015→ Present)
2019–Present	Society of Cardiovascular CT

HONORS AND AWARDS

1998	"Healthcare of Older People in London after the 1991 Market Reforms" Honors Thesis for Bachelor of Arts (<i>magna cum laude</i>) in Human Biology / Human Health and Disease Brown University Providence, RI
1999	Arnold P. Gold Foundation Fellowship
2002	Marie Necessian Memorial Award Presented to a graduating medical student for showing care, unusual concern, and dedication to helping patients Columbia University College of Physicians and Surgeons New York, NY
2003	Medical-Student Housestaff Teaching Award Presented by medical students to residents Columbia College of Physicians and Surgeons New York, NY
2005	Medical-Student Housestaff Teaching Award Presented by medical students to residents Columbia College of Physicians and Surgeons New York, NY
2007	Ron J. VandenBelt, M.D. Memorial Award Awarded to the winning challenging case presented by a fellow American College of Cardiology (Michigan Chapter) 19th Annual Conference Traverse City, MI
2016	Aurora “Star” Award Nominated by the Stress Lab for “above and beyond” teamwork.
2019	Aurora “Kudos” Award for Clinical Excellence Nominated by the Exercise Hemodynamics Lab

2020	Aurora “Kudos” Award for Clinical Excellence Nominated by the Structural Heart Program
2021	Aurora “Kudos” Award for Clinical Excellence Nominated by the Transesophageal Echocardiography Lab
2021	Aurora “Living our Values Everyday” Award Nominated by patient
2024	Advocate Aurora Research Institute Clinician Research Champion Award

CME CONFERENCES

2015	Faculty, Milwaukee Heart Failure Symposium, Milwaukee, WI
2016	Faculty, Echo Milwaukee 2016: Echocardiography is still the Heart of Cardiology, Milwaukee WI
2016	Faculty, Milwaukee Heart Failure Symposium, Milwaukee, WI
2017	Co-Director, Echo Milwaukee 2017: Echocardiography is still the Heart of Cardiology, Milwaukee, WI
2017	Faculty, Milwaukee Heart Failure Symposium, Milwaukee, WI
2018	Faculty, State of Art Cardiology, Cancun, Mexico
2018	Faculty, American Society of Echocardiography Scientific Sessions 2018, Nashville, TN
2019	Faculty, American Society of Echocardiography State-of-the-Art Echocardiography, San Diego, CA
2019	Faculty, Milwaukee Heart Failure Symposium, Milwaukee, WI
2020	Faculty, American Society of Echocardiography State-of-the-Art Echocardiography, Scottsdale, AZ
2020	Faculty, Society of Cardiovascular Anesthesiologists, Echo Week Atlanta, GA
2020	Faculty, Milwaukee Heart Failure Symposium, Milwaukee, WI
2020	Faculty, Minnesota Valve Symposium, Minneapolis, MN
2021	Faculty, Society of Cardiovascular Anesthesiologists, Echo Week
2021	Faculty, American Society of Echocardiography Board Review Course

2021	Faculty, American Society of Echocardiography Scientific Sessions Chair, Structural and Valve Disease Track
2021	Faculty, Re-Imagine Echo New York 2020/2021 Virtual Lecture Series
2021	Faculty, ASE Webinar “Hypertrophic Cardiomyopathy”
2021	Faculty, ASE Emerging Echo Enthusiast Webinar “Tricuspid Regurgitation”
2021	Planning Committee Member, Wisconsin ACC Annual Meeting 2021 Milwaukee, WI
2021	Faculty, Transcatheter Valve Therapeutics (TVT), Orlando, FL
2021	Faculty, Indian Association of Cardiac Imaging Annual Conference
2021	Faculty, Re-Imagine Echo New York 2021/2022 Virtual Lecture Series
2022	Faculty, American Society of Echocardiography State-of-the-Art Echocardiography, Scottsdale, AZ
2022	Faculty, American College of Cardiology Scientific Sessions 2022, Washington DC
2022	Faculty, American Society of Echocardiography Board Review Course
2022	Faculty, Milwaukee Heart Symposium Milwaukee, WI
2022	Faculty, American Society of Echocardiography Scientific Sessions Chair, Adult Congenital Heart Disease Seattle, WA
2022	Faculty and Steering Committee, Midwest ACC WIC Symposium Chicago, IL
2022	Faculty and Steering Committee, Wisconsin ACC Annual Meeting 2022 Madison, WI
2022	Faculty, Late-Breaking Trial Presenter TCT, Boston, MA
2023	Faculty, American Society of Echocardiography State-of-the-Art Echocardiography, Scottsdale, AZ
2023	Faculty, American Society of Echocardiography Board Review Course
2023	Course Director, Midwest Women in Cardiology Symposium

Milwaukee, WI

- 2023 Faculty, American College of Cardiology Scientific Sessions
New Orleans, LA
- 2023 Faculty, American Society of Echocardiography Scientific Sessions
Chair, Learning Lab: Advanced Strain Workshop
National Harbor, MD
- 2023 Course Director, Echo Istanbul Conference, sponsored by Medtronic
Istanbul, Turkiye
- 2023 Faculty, Rocky Mountain Valve Symposium
Missoula, MT
- 2023 Faculty and Steering Committee, Wisconsin ACC Annual Meeting
Milwaukee, WI
- 2024 Faculty, Atrium Health Wake Forest Baptist Echo Symposium
Greensboro, NC
- 2024 Faculty, American Society of Echocardiography State-of-the-Art
Echocardiography, Scottsdale, AZ
- 2024 Faculty, Cardiovascular Research Therapeutics (CRT)
Washington, DC
- 2024 Faculty, American College of Cardiology Scientific Sessions
Washington DC
- 2024 Faculty, American Society of Echocardiography Board Review Course
- 2024 Faculty and Planning Committee Member, Midwest Women in
Cardiology Symposium
Minneapolis, MN
- 2024 Faculty, New York Valve (TVT)
New York, NY
- 2024 Faculty, American Society of Echocardiography Scientific Sessions,
Portland, OR
- 2024 Faculty, Society of Cardiovascular Computed Tomography (SCCT)
Scientific Sessions
Washington, DC
- 2024 Faculty, Rocky Mountain Valve Symposium
Missoula, MT
- 2024 Faculty, Mayo Clinic's ECHO New York

New York, NY

- 2024 Faculty and Steering Committee, Wisconsin ACC Annual Meeting
Milwaukee, WI
- 2024 Faculty, Transcatheter Cardiovascular Therapeutics (TCT)
Washington, DC
- 2024 Faculty, New York Transcatheter Valve Symposium
New York, NY
- 2025 Faculty, American Society of Echocardiography State-of-the-Art
Echocardiography, Scottsdale, AZ
- 2025 Faculty, Atrium Health Wake Forest Baptist Echo Symposium
Greensboro, NC
- 2025 Faculty, American College of Cardiology Scientific Sessions
Washington DC
- 2025 Faculty, American Society of Echocardiography (ASE) Echo Florida
Orlando, FL
- 2025 Faculty, Structural Heart Summit
Mumbai, India
- 2025 Faculty, American Society of Echocardiography Board Review Course
- 2025 Faculty, New York Valve (TVT)
New York, NY
- 2025 Faculty, Society of Cardiovascular Computed Tomography (SCCT)
Scientific Sessions
Montreal, Canada
- 2025 Faculty, American Society of Echocardiography Scientific Sessions,
Nashville, TN
- 2025 Course Director, Wisconsin ACC Annual Meeting
Milwaukee, WI
- 2025 Faculty, ACC Latin America
San Jose, Costa Rica
- 2025 Faculty, European Association of Cardiovascular Imaging
Vienna, Austria
- 2026-2028 Course Co-Director, American Society of Echocardiography State-of-the-
Art Echocardiography, Scottsdale, AZ

SCIENTIFIC ACTIVITIES

2007	<i>Ad Hoc</i> Reviewer Circulation
2010	<i>Ad Hoc</i> Reviewer Archives of Internal Medicine
2010-present	<i>Ad Hoc</i> Reviewer Journal of American College of Cardiology
2012	Abstract Reviewer American Heart Association Scientific Sessions
2013	Abstract Reviewer American Heart Association Scientific Sessions
2014-present	<i>Ad Hoc</i> Reviewer European Heart Journal - Cardiovascular Imaging
2015-present	<i>Ad Hoc</i> Reviewer Journal of Patient-centered Research and Reviews
2018-2022	<i>Ad Hoc</i> Reviewer Journal of American Society of Echocardiography
2020-present	<i>Ad Hoc</i> Reviewer CASE Journal - American Society of Echocardiography
2020	Abstract Reviewer American Society of Echocardiography Scientific Sessions
2021	Abstract Reviewer American Society of Echocardiography Scientific Sessions
2022	Abstract Reviewer American Heart Association Scientific Sessions
2022-present	<i>Ad Hoc</i> Reviewer Structural Heart Journal
2022	Abstract Reviewer American Society of Echocardiography Scientific Sessions
2022	Topical Content Advisor Circulation: Cardiovascular Imaging

2022-present	<i>Ad Hoc</i> Reviewer Journal of Cardiovascular Imaging
2023	Abstract Reviewer American College of Cardiology Scientific Sessions
2023	Abstract Reviewer American Society of Echocardiography Scientific Sessions
2022-2025	Advisor, <i>JASE</i> Editorial Board Journal of American Society of Echocardiography
2024	Abstract Reviewer American Society of Echocardiography Scientific Sessions
2024	Abstract Reviewer New York Valve Sessions
2024→2026	Section Editor, Structural Imaging Journal of American College of Cardiology Case Reports
2024	Abstract Reviewer American College of Cardiology Scientific Sessions
2024	Abstract Reviewer Cardiovascular Research Therapeutics Sessions
2025	Abstract Reviewer American Society of Echocardiography Scientific Sessions
2025--2028	Associate Editor, Imaging Structural Heart Journal
2025	Abstract Reviewer New York Valve Scientific Sessions 2025
2025	Abstract Reviewer EACVI Scientific Sessions 2025

GRANT SUPPORT

- 1.) Funding institution: Blue Cross-Blue Shield Physician Investigators' Program
Grant title: "What are the consequences of medical errors in cardiopulmonary resuscitation?"

- Name of PI: Renuka Jain, M.D.
Project dates: 07/01/2008-06/30/2009
- 2.) Funding institution: Michigan Institute for Clinical and Health-Services Research
University of Michigan, Ann Arbor, MI
Grant title: "Preventing deaths from in-hospital arrest"
Name of PI: Renuka Jain, M.D.
Project dates: 09/01/2008-08/31/2009
- 3.) Funding institution: Aurora Research Institute and Aurora Health Care Foundation
Aurora Health Care, Milwaukee, WI
Grant title: "Aortic wall stress in bicuspid aortic valves: correlation with surgical outcomes"
Name of PI: Renuka Jain, M.D.
Project dates: 04/01/2018-04/1/2019
- 4.) Funding Institution: American College of Cardiology
Grant title: "MidWest Women in Cardiology (WIC) Alliance Outreach"
Name of PI: Dierdre Mittema
Project Dates: 3/1/2020 - 3/1/2021
- 5.) Funding Institution: GE HealthCare
Grant title: "Feasibility of 3D TTE Mitral and Tricuspid Annular Dimensions for Transcatheter Intervention Planning"
Name of PI: Renuka Jain M.D.
Project Dates: 9/1/2022 - 9/1/2025

TEACHING PRESENTATIONS

- "Mitral Regurgitation and Heart Failure." Heart-Failure Conference, University of Michigan Department of Cardiology. Ann Arbor, MI. 2007.
- "Ventricular Arrhythmias and Sudden Cardiac Death." University of Michigan Department of Cardiology. Ann Arbor, MI. 2007.
- "The Intern's Guide to Codes." Presentation at internal-medicine interns' noon conference, University of Michigan. Ann Arbor, MI. 2007.
- "Atrial Fibrillation." Presentation to second-year medical students, University of Michigan. Ann Arbor, MI. 2007.
- "Preventing Deaths from In-Hospital Cardiac Arrest: A Pilot Study." VA Health Services Research and Development Conference. Ann Arbor, MI. 2008.
- "Low-Flow, Low-Gradient Aortic Stenosis." University of Michigan Department of Cardiology. Ann Arbor, MI. 2008.
- "Echocardiography for First-Year Fellows." Teaching Session, University of Michigan Healthcare

- System. Ann Arbor, MI. 2008.
- “Echo in Tumors, Masses, and Cardiac Emboli.” Echocardiography Case Conference, University of Michigan Healthcare System. Ann Arbor, MI. 2009.
- “Echo in Hypertrophic Cardiomyopathy.” Echocardiography Case Conference, University of Michigan Healthcare System. Ann Arbor, MI. 2009.
- Moderator, Internal Medicine Board-Review Conference. University of Michigan Healthcare System. Ann Arbor, MI. 2010.
- Panelist, Internal-Medicine Morbidity & Mortality Conference. Ann Arbor VA Healthcare System. Ann Arbor, MI. 2010.
- “Hypertrophic Cardiomyopathy and Hypertensive Heart Disease.” Echocardiography Case Conference, University of Michigan Healthcare System. Ann Arbor, MI. 2010.
- “Hypertrophic Cardiomyopathy.” Presentation at residents’ conference, University of Michigan Healthcare System. Ann Arbor, MI. 2010.
- “Morning Report.” Presentation at residents’ conference, University of Michigan Healthcare System. Ann Arbor, MI. 2010.
- Faculty mentor, “Coronary Calcium.” Multimodality Imaging Conference, University of Minnesota Medical Center-Fairview. Minneapolis, MN. 2011.
- “Stress Testing.” Department of Anesthesia Morning-Lecture Series, University of Minnesota Medical Center-Fairview. Minneapolis, MN. 2011.
- Faculty mentor, “Hypertrophic Cardiomyopathy.” Multimodality Imaging Conference, University of Minnesota Medical Center-Fairview. Minneapolis, MN 2012.
- “Hypertrophic Cardiomyopathy Echocardiography Protocols.” Echocardiography Morning Conference, University of Minnesota, Minneapolis MN, 2013.
- “Imaging in Hypertrophic Cardiomyopathy.” Cardiology Fellows Lecture Series, University of Minnesota Medical Center-Fairview, Minneapolis, MN 2014.
- Faculty mentor, “Multi-modality Imaging Case Conference.” Multimodality Imaging Conference, University of Minnesota Medical Center-Fairview. Minneapolis, MN 2014
- “Echo in Heart Transplant.” Sonographer Lecture series, Echo Lab. University of Minnesota Medical Center. University of Minnesota. Minneapolis, MN 2014
- “Bicuspid Aortic Valve Disease.” Faculty Mentor, Echocardiography Case Conference, Aurora Health Care, Milwaukee, WI. 2014.
- “Endocarditis: Epidemiology, Diagnosis, and Timing of Surgery.” Fellows’ Core Curriculum. Aurora Health Care, Milwaukee, WI. 2014.

“Endocarditis Case Presentation.” Faculty Mentor, Fellow’s Conference, Aurora Health Care, Milwaukee, WI. 2015.

“Multi-Valve Endocarditis.” Faculty Mentor, Fellow’s Conference, Aurora Health Care, Milwaukee, WI 2015

“Congenital Heart Disease: Part I: PFO, ASD, BAV, Coarctation.” Fellows’ Core Curriculum. Aurora Health Care, Milwaukee, WI. 2015

“Echo Boot Camp Series: I-VI. Fellows’ Core Curriculum. Milwaukee, WI, 2016

“Echocardiography in LVADs.” Echocardiography Case Conference, Aurora Health Care, Milwaukee, WI. 2016.

“Echocardiography in TAVR – Part I.” Echocardiography Case Conference, Aurora Health Care, Milwaukee, WI. 2017.

“Echocardiography in Structural Heart Disease.” Echocardiography Case Conference, Aurora Health Care, Milwaukee WI 2017.

“Congenital Heart Disease: Part I: PFO, ASD, BAV, Coarctation.” Fellows’ Core Curriculum. Aurora Health Care, Milwaukee, WI. 2017.

“Echo Boot Camp Series I-VI.” Fellows’ Core Curriculum. Milwaukee WI, 2017.

“Echocardiography in TAVR – Part II.” Echocardiography Case Conference, Aurora Health Care, Milwaukee, WI. 2017.

“Echocardiography in Mitral Valve Interventions” Echocardiography Case Conference, Aurora Health Care, Milwaukee, WI. 2018.

“Echo Boot Camp Series I-VI.” Fellows’ Core Curriculum. Milwaukee WI, 2018

“Darkness Under the LAMP.” Challenging Cardiovascular Case Series, Aurora St. Luke’s Medical Center, Advocate Aurora Health, Milwaukee, WI, 2019.

“Echo Boot Camp Series I-II” Fellows’ Core Curriculum. Milwaukee WI, 2019.

“Echo Structural Curriculum I-IV” Core Curriculum. Aurora Health Care, Milwaukee WI, 2020.

“Echo Boot Camp Series I-III” Fellows’ Core Curriculum. Milwaukee WI, 2021.

“Aortic Stenosis”. Fellows’ Imaging Lecture Series. Aurora Health Care, Milwaukee WI 2022.

“Echo Boot Camp Series I-IV” Fellows’ Core Curriculum. Milwaukee WI, 2023.

“Echo Boot Camp Series I-IV” Fellows’ Core Curriculum. Milwaukee WI, 2024.

INVITED PRESENTATIONS

Invited Presentations at National and International Level:

Moderator, “Echocardiography: Right-Ventricular Function, Abstract Session.” American Heart Association Scientific Sessions. Los Angeles, CA. Nov 6, 2012.

Moderator, “Hypertrophic Cardiomyopathy and Athlete’s Heart.” American Heart Association Scientific Sessions. Dallas, TX. Nov 18, 2013.

Presenter, “Bicuspid Aortic Valve +/- Aortopathy: Diagnosis, Surveillance, Treatment Update” American College of Cardiology Scientific Sessions. Chicago, IL. Mar 19, 2016.

Panelist, “Aortic Stenosis and TAVR: Pre and Post Intervention.” VuMedi Structural Heart Disease Seminar, Mar 2016.

Presenter, “Non-invasive Imaging in Stable CAD: Which Test for Which Patients?” State of the Art Cardiology 2018, Cancun, Mexico, Mar 2, 2018.

Moderator, “Heart Valve Heart Disease.” State of the Art Cardiology 2018, Cancun, Mexico, Mar 3, 2018.

Presenter, “Diagnostic Challenges in Heart valve Disease: Case Studies.” State of the Art Cardiology 2018, Cancun, Mexico, Mar 3, 2018.

Presenter, “What is a Structural Heart Program?” American Society of Echocardiography Scientific Sessions, Nashville, TN 2018.

Presenter, “Hypertension Cases – Guidelines Say What Echo Should Get,” 32nd Annual State-of-the-Art Echocardiography, San Diego, CA, Feb 16, 2019.

Moderator, “Structural Heart Disease: II.” 32nd Annual State-of-the-Art Echocardiography, San Diego, CA, Feb 17, 2019.

Presenter, “Left Atrial Appendage Closure: IntraProcedure.” 32nd Annual State-of-the-Art Echocardiography, San Diego, CA, Feb 17, 2019.

Presenter, “Stress Echocardiography: Single and Multivessel,” 32nd Annual State-of-the-Art Echocardiography, San Diego, CA, Feb 18, 2019.

Presenter, “Pathologies of the Right Ventricle: Illustrative Cases.” 32nd Annual State-of-the-Art Echocardiography, San Diego, CA, Feb 18, 2019.

Presenter, “Atrial and Ventricular Septal Defects,” SCA 2020 – Society of Cardiovascular Anesthesiologists Echo Week, Atlanta, GA, Feb 20, 2020

Presenter, “Echocardiography for Valve in Valve Therapy,” Society of Cardiovascular Anesthesiologists Echo Week, Atlanta, GA, Feb 20, 2020

Moderator, “Coronary Artery Disease: Still the Mainstay.” 33rd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 22, 2020.

Presenter, “Complications of Myocardial Infarction.” 33rd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 22, 2020.

Presenter, “What Should a Successful TAVR Look Like for Echocardiographers.” 33rd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 23, 2020.

Presenter, “Pathologies of Tricuspid Valve.” 33rd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 23, 2020.

Presenter, “Endocarditis and Complication of Mitral Valve.” 33rd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 23, 2020.

Presenter, “Fabry and LAMP: Case Studies” 33rd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 23, 2020.

Presenter, “Diabetes and the Heart.” 33rd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 24, 2020.

Presenter, “Fusion Imaging.” 33rd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 24, 2020.

Presenter, “The Building Blocks of Interventional Echocardiography,” Multimodality Imaging Conference, Johns Hopkins University, Nov 12, 2020

Panelist, “Procedural Imaging for APOLLO Trial,” Medtronic Physician Case Review, Dec 2, 2020.

Presenter, “Secondary Tricuspid Regurgitation.” Re-Imagine Echo New York 2020/2021 Virtual Education Series, Feb 6, 2020.

Presenter, “Valve-in-Valve Therapy.” Society of Cardiac Anesthesiologists Virtual Echo Week. Feb 26-28, 2021.

Presenter, “Echo Guidance of Septal Reduction Therapy.” ASE Hypertrophic Cardiomyopathy Webinar. May 11, 2021

Presenter, “Normal TEE Examination: Applications, Pitfalls, Probe Insertion and Manipulation, Risks and Complications.” 2021 ASCeXAM/ReASCE Review Course., July 10, 2021.

Presenter, “Primer of Interventional Echo.” 2021 ASCeXAM/ReASCE Review Course., July 10, 2021.

Presenter, “Tricuspid Regurgitation.” ASE Emerging Echo Enthusiasts Webinar. May 25, 2021.

Presenter, “TAVR for Newer Indications.” ASE Scientific Sessions, June 20, 2021

Presenter, “Intrepid transseptal valve-in-MAC.” Transcatheter Valve Therapeutics (TVT), 2021.

Presenter, “Myocardial Work: A Novel Assessment of LV Function.” Indian Association of Cardiac Imaging, October 23, 2021.

Presenter, “Case Presentation: Atrial Fibrillation from Cardioversion to PVI to LAAO.” American College of Cardiology Scientific Sessions, Washington DC, April 2, 2022.

Presenter, “Hemodynamics and Structural Valve Detoriation: An Echocardiographer’s Perspective.” Medtronic Innovation Theater, Washington DC, April 4, 2022.

Presenter, “Endocarditis and Its Complications: The Role of Echocardiography.” 2022 ASCeXAM/ReASCE Review Course., May 2022.

Presenter, “Normal TEE Examination: Applications, Pitfalls, Probe Insertion and Manipulation, Risks and Complications.” 2022 ASCeXAM/ReASCE Review Course., May 2022.

Presenter, “Primer of Interventional Echo.” 2022 ASCeXAM/ReASCE Review Course., May 2022.

Presenter, “Aortic Stenosis.” American Society of Echocardiography Scientific Sessions, Seattle, WA, June 25 2022.

Presenter, “Complications of Myocardial Infarction.” 35nd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 19, 2023.

Presenter, “What Should a Successful TAVR Look Like for Echocardiographers.” 35nd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 19, 2023.

Presenter, “Diabetes and the Heart.” 35nd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 19, 2023.

Presenter, “Fusion Imaging.” 35nd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 19, 2023.

Presenter, “Masses in the Right Heart.” 35nd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 19, 2023.

Presenter, “TAVI Durability.” Echo Istanbul, Istanbul, Turkiye, June 15, 2023.

Presenter, “Procedure Complications of TAVI” Echo Istanbul, Istanbul, Turkiye, June 15, 2023.

Presenter, “Transcatheter Mitral and Tricuspid Pipeline.” Echo Istanbul, Istanbul, Turkiye, June 16, 2023.

Presenter, “Non Traditional Causes of Chest pain” American Society of Echocardiography Scientific Sessions, National Harbor, MD, June 24 2023.

Presenter, “Tips and Tricks for Trans-septal Access.” American Society of Echocardiography Scientific Sessions, National Harbor, MD, June 26 2023.

Presenter, “Management of Asymptomatic Aortic Stenosis: Evolving Concepts in Timing of Intervention”. Rocky Mountain Valve Symposium, Missoula, MT, July 21, 2023.

Presenter, “TAVR Durability: Update Relative to SAVR”. Rocky Mountain Valve Symposium, Missoula, MT, July 21, 2023

Presenter, “The future of Transcatheter Mitral and Tricuspid Interventions.” Wake Forest University, Cardiology Grand Rounds, February 24th, 2024.

Presenter, “Echocardiography for Right Ventricular Function: the Right Stuff.” 36nd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 17, 2024.

Presenter, “MitraClip: Echo Guidance for Simple and Complex Cases.” 36nd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 18, 2024.

Presenter, “Echocardiography of Endocarditis.” 36nd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 18, 2024.

Panelist, “To Fix or not Fix? Rapid Fire Challenging Structural Heart Imaging Cases with the Heart Team.” American College of Scientific Sessions, Atlanta, GA, Apr 5, 2024.

Presenter, “Mini-Lecture: Secondary Mitral Regurgitation.” American Society of Echocardiography Scientific Sessions, Portland, OR, Jun 14, 2024

Chair, “3D Echo For Structural Heart – Learning Lab.” American Society of Echocardiography Scientific Sessions, Portland, OR, Jun 16, 2024

Presenter, “Left Ventricular Function post mitral valve repair – 2D, 3D, Strain Imaging.” Rocky Mountain Valve Symposium, Missoula, MT, July 19, 2024

Presenter, “Severe Tricuspid Regurgitation and RV Function.” Rocky Mountain Valve Symposium, Missoula, MT, July 19, 2024

Presenter, “ICE Imaging in Structural and Watchman Procedures.” Rocky Mountain Valve Symposium, Missoula, MT, July 20, 2024

Presenter, “Echo in Transcatheter Mitral Procedures.” SCCT Scientific Sessions, Washington, DC, July 21, 2024.

Presenter, “MVP and Annulus Disjunction: Malignant Valve Disease With Pickelhaube Sign.” ECHO/Imaging New York State of the Art 2024, New York, Aug 12, 2024.

Presenter, “Advanced Echocardiographic Tools for Assessing Myocardial Function: Myocardial Work” ECHO/Imaging New York State of the Art 2024, New York, Aug 13, 2024.

Panelist, “Atrial Functional Mitral Regurgitation.” Transcatheter Therapeutics (TCT) 2024, Washington DC, 2024

Presenter, “Echocardiography of Endocarditis.” 37nd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 18, 2025.

Presenter, “TAVR and its Complications.” 37nd Annual State-of-the-Art Echocardiography, Scottsdale, AZ, Feb 18, 2025.

Presenter, “Functional Mitral Regurgitation: Next Steps, Last Moves.” American College of Scientific Sessions, Chicago, IL, March 31, 2025.

Presenter, “Latest on RA/RV Assessment .” American Society of Echocardiography: Echo Florida, Orlando, FL, April 5, 2025.

Presenter, “Aortic Stenosis.” American Society of Echocardiography: Echo Florida, Orlando, FL, April 6, 2025.

Presenter, “Echo Assessment of Tricuspid Regurgitation: How Severe is too Severe”. Structural Heart Summit, Mumbai, India, April 25, 2025

Presenter, “Pre-procedure Assessment of Left Atrial Appendage Occlusion”. Structural Heart Summit, Mumbai, India, April 27, 2025

Invited Presentations at Local and Regional Level

Moderator, “Genetics of Hypertrophic Cardiomyopathy Lecture Series.” University of Michigan Healthcare System. Ann Arbor, MI, 2009.

“Insights into Hypertrophic Cardiomyopathy.” Grand Rounds, Oakwood Southshore Hospital. Trenton, MI, 2010.

“Stress Testing.” Department of Anesthesia Morning-Lecture Series, University of Minnesota Medical Center-Fairview. Minneapolis, MN, 2011.

Panelist, “Meet the Experts.” Go Red for Women Luncheon, Presented by the Minnesota Chapter of the American Heart Association. Minneapolis, MN, Jan 2012.

“Women’s Cardiac Health.” “Ladies’ Night” public presentation at the Maple Grove Medical Center. Maple Grove, MN, May 2012.

“Imaging in Hypertrophic Cardiomyopathy.” Presented at *Controversies in Cardiology*, Minnesota Chapter of American College of Cardiology, Minneapolis, MN, May 2012.

“Restrictive and Hypertrophic Cardiomyopathy.” Presentation at *Advanced Heart Failure Symposium*, University of Minnesota, Minneapolis, MN, Oct 28, 2012.

Women’s Cardiac Health.” “Ladies’ Night” public presentation at the Maple Grove Medical Center. Maple Grove, MN, Oct 2012.

Speaker, “Women Take Heart Symposium.” Presented by the Minnesota Medical Foundation. Minneapolis, MN, Oct 2012.

“Stroke and Other Complications of Hypertrophic Cardiomyopathy.” Cardiovascular Medicine Grand Rounds, University of Minnesota, Minneapolis, MN, May 2013.

- “Women’s Cardiac Health.” “Ladies’ Night” public presentation at the Maple Grove Medical Center. Maple Grove, MN, May 2013.
- “Challenging Cases from Inpatient Consults.” *Lillehei Heart Symposium*, Minneapolis, MN, Sep 5, 2013
- “Imaging in Hypertrophic Cardiomyopathy.” Cardiovascular Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, Feb 2014.
- Speaker, “Women Take Heart Symposium.” Presented by the Minnesota Medical Foundation. Minneapolis, MN, Feb 2014.
- “Hypertrophic Cardiomyopathy: Diagnosis and Management” Presented at 24th Annual New Developments in Cardiology. Pewaukee, WI, Apr 2015.
- “Advances in Cardiovascular Imaging and their role in Heart Failure Management.” Milwaukee Heart Failure Symposium. Milwaukee, WI, May 2015.
- “Advances in Cardiovascular Imaging and their role in LVAD Management.” Advanced Heart Failure Therapies Educational Seminar Series, Milwaukee, WI, Oct 2015.
- “What to get out of an Echo Report” Primary Care Symposium. Milwaukee, WI, Nov 2015
- “Noncompaction Cardiomyopathy: Diagnosis, Management, and Treatment.” Presented at 25th Annual New Development in Cardiology. Pewaukee, WI, Mar 2016.
- “Clinical Cases in Echocardiography.” ECHO Milwaukee. Milwaukee, WI, Mar 2016.
- “Noncompaction Cardiomyopathy: Diagnosis, Management, and Treatment.” Advanced Heart Failure Therapies Educational Seminar Series, Milwaukee, WI, Apr 2016.
- “Advances in Cardiovascular Imaging and their role in Heart Failure Management.” Milwaukee Heart Failure Symposium. Milwaukee, WI, May 2016.
- “Echocardiography in Structural Heart Disease.” Great Lakes Cardiology Symposium. Pleasant Prairie, WI, Mar 2017
- “Advances in Cardiovascular Imaging and their role in Heart Failure Management.” Milwaukee Heart Failure Symposium. Milwaukee, WI, May 2017.
- “Advances in Cardiovascular Imaging and their role in Heart Failure Management.” Milwaukee Heart Failure Symposium. Milwaukee, WI, May 2018
- “Advances in Cardiovascular Imaging and their role in Heart Failure Management.” Milwaukee Heart Failure Symposium. Milwaukee, WI, May 2019.
- “Mitral Regurgitation Leads to Heart Failure; Heart Failure Leads to Mitral Regurgitation.” Advanced Heart Failure Therapies Educational Seminar Series, Milwaukee, WI, Dec 2019
- “Tricuspid Regurgitation and Heart Failure.” Advanced Heart Failure Therapies Educational

Seminar Series, Milwaukee, WI, Oct 2020

“Advances in Cardiovascular Imaging and their role in Heart Failure Management.” Milwaukee Heart Failure Symposium. Milwaukee, WI, Aug 2021.

“Advances in Cardiovascular Imaging and their role in Heart Failure Management.” Milwaukee Heart Failure Symposium. Milwaukee, WI, Aug 2022.

Presenter, “Management of Asymptomatic Aortic Stenosis.” Wisconsin ACC Annual Chapter Meeting, Milwaukee, WI September 9, 2023.

Presenter, “Financial Literacy for Women Cardiologists.” Midwest Women in Cardiology Symposium, Minneapolis, MN, Jun 2, 2024

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Yousefzai R, Trivedi S, **Jain R**, Cheema O, Crouch JD, Thohan V, Khandheria BK. Expecting the unexpected: Right atrial mass in a transplant patient. *ESC Heart Failure* 2015 Dec; 2(4): 165-167.

Longobardo L, **Jain R**, Carerj S, Zito C, Khandheria BK. Bicuspid aortic valve: Unlocking the morphogenetic puzzle. *Am J Med*, Aug 2016; 129(8): 796-805.

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Harland DR, **Jain R**, Kostopolous LN, Khandheria BK, Kay J. Preoperative transthoracic echocardiography shows resolution of presumed papillary fibroelastoma; patient goes home instead of to operating room. *J Cardiothorac Vasc Anesth*. 2017; 31(1): e14-16.

Ammar KA, Khandheria BK, Bajwa T, Port SC, Allaqaband S, **Jain R**, Neitzel G, Tajik AJ. Cardiac amyloidosis presenting as severe mitral regurgitation: A case series. *JACC Cardiovasc Imaging*. Aug 2016; 9(8): 1003-6.

Ganguli S, **Jain R**, Barragry T, Khandheria B. Aortic fenestration mimicking aortic perforation. *Eur Heart J Cardiovasc Imaging*, 2017 Feb; 18(2): 127.

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Roemer S, Jaglan A, Santos D, Umland M, **Jain R**, Tajik AJ, Khandheria BK. The utility of myocardial work in clinical practice. J Am Soc Echocardiogr 2021;34(8):807-818.

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BOOK CHAPTERS

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ABSTRACTS

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Harland DR, O'Hair DP, Khandheria B, Richmond R, Bajwa TK, Kirby A, Olet S, **Jain R**. Recovery of Left Ventricular Mechanics Following Transcatheter Aortic Valve Implantation: Long-term Follow-up in Patients with Four Subtypes of Aortic Stenosis. Poster presentation for the American Heart Association, Nov 2016, New Orleans, Louisiana.

Jain R, Osranek M, Jan MF, Calvin L, Olet S, Allaqaband SQ, Khandheria BK, Tajik AJ. Marked Respiratory Related Variation in LVOT gradients in Hypertrophic Cardiomyopathy in Obese HCM Patients with Sleep-disordered Breathing. Poster presentation for the American College of Cardiology Scientific Sessions, Mar 2017, Washington DC.

Harland DR, O'Hair DP, Bajwa TK, Allaqaband SQ, Khandheria BK, Kirby A, **Jain R**. Echocardiographic guidance and monitoring of transcatheter mitral valve replacement in severe mitral annular calcification and failing bioprostheses; mid-term follow-up data are encouraging. Poster presentation for American Society of Echocardiography, Jun 2017, Baltimore, MD.

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Valve Replacement. Poster presentation for American Society of Echocardiography, Jun 2017, Baltimore, MD.

Jain R, Kalvin L, Johnson B, Muthukumar L, Khandheria BK, Tajik AJ. The Many Faces of Fabry's Cardiomyopathy: A Case Series. Poster presentation for American Society of Echocardiography, Jun 2017, Baltimore, MD.

Richmond RL, O'Hair DP, Harland DR, Bajwa TK, Kirby A, Hammonds T, Khandheria BK, **Jain R**. Echocardiographic Predictors of Elevated Gradients After Transcatheter Aortic Valve Replacement for Failing Bioprosthetic Aortic Valve Replacement. Poster presentation for American Society of Echocardiography, Jun 2017, Baltimore, MD.

O'Hair DP, **Jain R**, Khitha J, Khandheria BK, Allaqaband SQ, Bajwa TK. Transcatheter Aortic Valve Replacement with a Self-Expanding Bioprosthesis Augmented with a Porcine Pericardial Wrap. Poster Presentation to TCT Oct 2017, Denver, CO.

Jain R, Khandheria BK, Tajik AJ. The development of an apical pouch with exercise stress echocardiography in patients with apical hypertrophic cardiomyopathy: a novel observation. Poster presentation for the European Society of Cardiology EuroEcho-Imaging Dec 2017, Lisbon, Portugal.

Jain R, O'Hair DP, Bajwa TK, Kirby AK, Ignatowski D, Khandheria BK. Transthoracic echocardiography is adequate for intraprocedural assessment with the latest generation self-expandable transcatheter aortic valve replacement. Poster presentation for the European Society of Cardiology EuroEcho-Imaging, Dec 2017, Lisbon, Portugal.

Jain R, Khandheria BK, Olet S, Johnson B, Ignatowski D, Tajik AJ. Genetic Basis of Aortopathy in Bicuspid Valve Disease. Poster presentation for the American College of Cardiology's Scientific Sessions 2018 meeting, Mar 2018, Orlando, FL.

Harland DR, **Jain R**, Kalvin LR, Jan MF, Khandheria BK, Tajik AJ. Prevalence of respiratory variation in left ventricular outflow tract obstruction in hypertrophic cardiomyopathy. Poster presentation at American Society of Echocardiography Scientific Sessions, Jun 2018, Nashville, TN.

Jain R, Khandheria BK, Ignatowski D, Johnson B, Olet S, Muthukumar L, Tajik AJ. Revisiting the relationships between bicuspid aortic valve and aortopathy: insights from a large community cohort. Poster presentation at American Society of Echocardiography Scientific Sessions, Jun 2018, Nashville, TN.

Muthukumar L, Jan MF, Umland M, **Jain R**, Khandheria BK, Olet S, Tajik AJ. Global and regional left ventricular peak longitudinal strain in bileaflet myxomatous mitral valve prolapse: in search of high risk markers. Poster presentation at American Society of Echocardiography Scientific Sessions, Jun 2018, Nashville, TN.

Galazka P, **Jain R**, Kalvin L, Jan F, Olet S, Khandheria B, Tajik J. Septal perforator Doppler profiles in hypertrophic cardiomyopathy patients. J Am Soc Echocardiogr 2018;31(6):B88.

Wani A, Singsank Z, Olet S, **Jain R**, Khandheria BK. Morbidity in takotsubo cardiomyopathy: echocardiographic predictors of clinical outcomes in a detailed cohort. Poster presentation at American Society of Echocardiography Scientific Sessions, Jun 2018, Nashville, TN.

Badr S, Ammar KA, **Jain R**, Harland D, Richmond R, Kirby A, Jan MF, Khandheria BK, Allaqaband S, O'Hair D, Bajwa T, Khitha J. Pulmonary hypertension in transcatheter aortic valve replacement patients predicts mortality independent of general anesthesia. Moderated poster presentation for the Transcatheter Cardiovascular Therapeutics' Scientific Sessions 2018 meeting, September 21-September 25, 2018, San Diego, CA.

Galazka P, Sawlani R, **Jain R**, Skulborstad E, Johnson B, Olet S, Khandheria BK, Jahangir A, Tajik AJ. T2 mapping in gene positive and VOUS gene hypertrophic cardiomyopathy patients. Poster presentation for the Society of Cardiovascular Magnetic Resonance 22nd Annual Scientific Sessions, Feb 2019, Bellevue, WA.

Wani A, **Jain R**, Olet S, Khandheria BK. Clinical Predictors of Global Longitudinal Strain Recovery in Takotsubo Cardiomyopathy. Flat-board poster presentation for the American College of Cardiology's Scientific Sessions, Mar 2019, New Orleans, LA.

Hritani AW, Razzaque I, Kirby AM, Allaqaband SQ, Khandheria BK, O'Hair DP, **Jain R**, Bajwa TK. Early Structural Valve Deterioration of a Balloon Expandable Edward Sapien Valve Treated with Self Expandable Evolut-R Using Transcatheter Valve in Valve Technique. Flat-board poster presentation for the American College of Cardiology's Scientific Sessions, Mar 2019, New Orleans, LA.

Ali ZS, Mengesha T, Allaqaband SQ, **Jain R**, Bajwa TK. Early Clinical and Procedural Outcomes in a Large Series of 34 mm Self-Expanding Transcatheter Aortic Valve Replacement. Flat-board poster presentation for the American College of Cardiology's Scientific Sessions, Mar 2019, New Orleans, LA.

Jain R, Sengupta S, Olet S, Burkule N, Khandheria BK. Myocardial Work: A Novel Index of Left Ventricular Systolic Function in South Asian Half-Marathon Runners Correlated With Echocardiographic and Clinical Variables. Flat-board poster presentation for the American College of Cardiology's Scientific Sessions, Mar 2019, New Orleans, LA.

Adil A, **Jain R**, Sawlani R, Galazka P, Wani A, Kazmi FN, Syed SA, Tajik AJ. An Unusual Case of Hypertrophic Cardiomyopathy Phenotype. Flat-board poster presentation for the American College of Cardiology's Scientific Sessions, Mar 2019, New Orleans, LA.

Harland DR, Bajwa TK, Allaqaband SQ, Khandheria BK, **Jain R**. Initial echocardiographic experience with latest generation MitraClip® XTR. J Am Soc Echocardiogr 2019;32(6):B38.

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Ali M, Atzenhoefer M, Sharma P, Odeh K, Perez Moreno A, **Jain R**, Allaqaband SQ, Bajwa T, Kostopoulos L. Treatment strategies in patients with stable obstructive coronary artery disease and severe aortic valve stenosis who underwent TAVR. Moderated poster presentation at TCT 2019, Sept. 25-29, 2019, San Francisco, CA.

Houff D, **Jain R**, Baig M, Ali M, Crouch J, Galazka P, J. Khitha. Multimodality Imaging in Evaluation of Complications of Myocardial Infarction: Is It an Aneurysm, Pseudaneurysm, or Neither? Flatboard poster presentation at American College of Cardiology's Scientific Sessions 2020, March 28-30, 2020, in Chicago, IL.

Ali M, Galazka P, Khandheria BK, Tajik AJ, **Jain R**. The Dynamic Nature of Apical Pouch in Apical Hypertrophic Cardiomyopathy: Insights from Contrast-Enhanced Exercise Echocardiography. Flatboard poster presentation at American College of Cardiology's Scientific Sessions 2020, March 28-30, 2020, in Chicago, IL.

Houff D, **Jain R**, Khitha J, Port S, Mortada EM. Second Reported Case of Pulmonary Vein Compression Following WATCHMAN Left Atrial Appendage Closure Device Implantation. Poster Presentation at 2020 Heart Rythmi Scientific Sessions, May 6-9, 2020 in San Diego, CA.

Jain R, Khandheria BK, Kroboth S, Perez Moreno AC, Esenberg R, Johnson B, Ignatowski D, Schweitzer M, Tajik AJ. Evaluating aortic wall strain by noninvasive methods to understand relationships between bicuspid aortic valve and aortopathy. Moderated e-poster presentation at American Society of Echocardiography Scientific Sessions, June 19-22, 2020, Denver, Colorado.

Muthukumar L, Jahangir A, Galazka P, Schweitzer M, Pesek K, Perez Moreno AC, **Jain R**, Jan MF, Khandheria BK, Tajik AJ. Heterogenous myocardial work indices in bileaflet myxomatous mitral valve prolapse. E-poster presentation at American Society of Echocardiography Scientific Sessions, June 19-22, 2020, Denver, Colorado.

Harland DR, Bajwa T, Allaqaband SQ, Roemer S, Khandheria BK, **Jain R**. Feasibility of Vortex Imaging During Mitraclip™ Implantation: The First Step in Using High-Frame Rates to Reveal Complex Flow Patterns After Transcatheter Edge-To-Edge Repair. E-poster presentation at American Society of Echocardiography Scientific Sessions, June 19-22, 2020, Denver, Colorado.

Esenberg R, Ignatowski D, Pesek K, Khandheria BK, **Jain R**. Prescreening: A method for optimizing appropriate use of echocardiography and improving workflow in outpatient echocardiography laboratory. Moderated e-poster presentation at American Society of Echocardiography Scientific Sessions, June 19-22, 2020, Denver, Colorado.

Wani A, Richards L, **Jain R**, Allaqaband S, Fisher WJ, Bajwa T. Debulking of Tricuspid Valve Endocarditis AngioVac System. Oral presentation at Society for Cardiovascular Angiography and Interventions Complete Higher Risk Indicated Percutaneous Coronary Intervention (CHIP) Coronary Total Occlusion (CTO) 2021 on February 7, 2021 (Virtual).

McDiarmid M, Sherry C, Zilinski J, Nfor T, Simpson D, **Jain R**. Interprofessional communication in the cardiac catheterization laboratory cardiology. Capstone presentation presented at the Alliance of

Independent Academic Medical Centers 2021 National Initiative VII Virtual Meeting 4.. March 26, 2021; Nashville, TN & Virtual.

Baig M, Galazka P, Dakwar O, Muthukumar L, Syed, SA, **Jain R**, Jan MF, Sawlani R, Shahir K, Port S, Khandheria B, Jahangir A, Tajik, AJ. Prevalence of Myocardial Edema with T2 Mapping in Hypertrophic Cardiomyopathy. Moderated poster presentation at American College of Cardiology's Scientific Sessions Annual Scientific Session May 15-17, 2021, in Atlanta, GA.

McDiarmid M, Kroboth S, Perez Moreno A, Khandheria BK, Allaqaband SQ, Crouch J, Weiss E, Sherry C, **Jain R**, Bajwa T. Comparison of Self-Expanding Evolut Pro+ And Evolut R in the 34mm TAVR, a Single-Center Experience. Flatboard poster presentation at American College of Cardiology's Scientific Sessions Annual Scientific Session May 15-17, 2021, in Atlanta, GA.

Jain R, Ignatowski D, Perez Moreno AC, Kroboth S, Khandheria BK. Seroprevalence of SARS-CoV-2 Antibody in Echocardiography and Stress Laboratory During COVID-19 Pandemic: A Longitudinal Study. ePoster Presentation at American Society of Echocardiography Annual Scientific Sessions June 18-21, 2021 (virtual).

Jain R, Ignatowski D, Perez Moreno AC, Kroboth S, Khandheria BK. Reversibility of Echocardiographic Abnormalities in Patients with COVID-19 Infection. ePoster Presentation at American Society of Echocardiography Annual Scientific Sessions June 18-21, 2021 (virtual).

Kaushal S, **Jain R**, Schweitzer M, Pesek K, Perez Moreno AC, Khandheria BK, Tajik AJ. Assessing Gradients in Hypertrophic Cardiomyopathy: Please Stand Up! ePoster Presentation at American Society of Echocardiography Annual Scientific Sessions June 18-21, 2021 (virtual).

Kaushal S, **Jain R**, Perez Moreno AC, Kroboth S, Port SC, Harland DR. Relationship Of A Semi-Quantitative Novel MAC Assessment With Automated Quantitative MAC Score Using The Agatston Method. Poster presentation at Society of Cardiovascular Computed Tomography Annual Scientific meeting July 16-17, 2021 (virtual).

Bajwa T, **Jain R**, Weiss E, Allaqaband S, Reardon M, Lim S. Transseptal Intrepid Mitral Valve Implantation in a Patient with Mitral Annular Calcification. Oral presentation to Transcatheter Valve Therapeutics (TVT) Scientific Sessions, July 22, 2021, Miami, FL.

Sharma K, Laham RG, Sorajja P, Shah B, Garcia S, **Jain R**, Fender E, Philip F, Eisenberg R, Chetcuti S. Procedural Success, Valve Hemodynamics and Outcomes in Patients with Moderate Aortic Stenosis Undergoing Supra-Annular Transcatheter Aortic Valve Replacement. Moderated Poster Presentation, American Heart Association Scientific Sessions, November 31, 2021, Boston, MA.

Badr S, Sherry C, Ammar KA, **Jain R**, Galazka P, Allaqaband SQ, Crouch J, Bajwa T, Weiss ES. Transatrial balloon-expandable valve implantation for symptomatic mitral stenosis with severe annular calcification—a hybrid solution. Poster presentation, CRT 2022, February 26, 2022, Washington, DC.

Jain R, Rajagopal V, Kauten J, Bapat V, Sorajja P, Bajwa T, Weiss E, Allaqaband SQ, Khandheria BK, Gearhart E, Qasim A, Adams D, Mack M, Leon M. Mid-term Echocardiographic Outcomes Following Transapical Mitral Valve Replacement: Updates from the Intrepid Pilot Study. Late-Breaking Abstract to Transcatheter Therapeutics (TCT), Boston, MA Sept 19 2022.

Klinka M, Osman M, Sherry C, Zlochiver V, Adefisoye J, Hall J, Crouch J, Weiss E, **Jain R**, Allaqaband S, Bajwa T, Jan MF. Mortality outcomes in concordant versus discordant severe symptomatic aortic stenosis in patients with normal ejection fraction after transcatheter aortic valve replacement. Moderated poster presentation at the American College of Cardiology Together With WCC (ACC.23/WCC), March 4-6, 2023, New Orleans, LA.

Yakubov SJ, Van Meighem N, Oh JK, Ito S, Grubb KJ, O'Hair D, Forrest JK, Gada H, Mumtaz M, Deeb GM, Tang GH, Rovin JD, **Jain R**, Windecker S, Sondergaard L, Skelding KA, Kleiman N, Chetcuti SJ, Dedrick A, Vedoliva S, Reardon MJ. Five-Year Incidence of Bioprosthetic Valve Dysfunction in Patients Randomized to Surgery or TAVR: Insights from the CoreValve US Pivotal and SURTAVI Trials. Late-Breaking Trial Moderated Poster presentation, CRT 2023, February 27, 2023, Washington, DC.

Lee L, Henry M, Yamat M, **Jain R**, Wali E, Belkin M, Marzlin N, Smith H, Abutale A, Crouch J, Weiss ES, Ota T, Salerno C, Li H, Husain A, Jeevandandam V, Lang R, Addetia K. Cardiac Implantable Electronic Device-Related interference with the Tricuspid Valve Apparatus and Impact on Tricuspid Regurgitation. Oral Abstract Presentation to ASE Scientific Sessions, June 23-26, 2023 National Harbor, Maryland.

Wali E, Roy R, Sun D, **Jain R**, Peters M, Yamat M, Tan TC, Tang M, Singulane C, Lang R, Addetia K. Defining Progression of Apical Hypertrophic Cardiomyopathy on Surface Echocardiography. Abstract Presentation at 2023 ASE Scientific Sessions, June 23-26, 2023, National Harbor, MD.

Zidan A, Johnsrud D, **Jain R**, Weiss E, Bajwa T. Percutaneous closure of aortic root to right ventricular outflow tract fistula following surgical aortic valve replacement. Oral presentation at TCT 2023, October 23-26, 2023, San Francisco, CA.

Tobaa A, Peters M, **Jain R**, Crouch J, Bajwa T. Nesting doll intervention: a case of valve-in-valve-in-valve TAVR. Poster presentation at Wisconsin Chapter ACC Annual Symposium, September 9, 2023, Milwaukee, WI.

Tobaa A, Shereef H, **Jain R**, Ghafoor A, Bajwa T, Allaqaband SQ. ASD occluder device: bail out strategy for iatrogenic anterior mitral valve leaflet perforation. Moderated presentation at the 73rd Annual Scientific Session of the American College of Cardiology, April 6-8, 2024, in Atlanta, GA.

Peters M, **Jain R**, Wessly P, Howard L, Chiang Y, Harland D, Weiss E, Bajwa T. Too high, too low, and then just right: real-time 3D imaging in transapical plug of left ventricular outflow tract-to-left atrium fistula. Poster presentation at the 73rd Annual Scientific Session of the American College of Cardiology, April 6-8, 2024, in Atlanta, GA.

Sra A, Roemer S, Molinas M, Umland M, **Jain R**, Khandheria BK. Machine-learning in left atrial strain: using convolutional neural networks to identify left atrial strain maps. Poster presentation at the 73rd Annual Scientific Session of the American College of Cardiology, April 6-8, 2024, in Atlanta, GA.

Peters M, Tanel E, Marzlin N, Kroboth S, Kanani J, Bajwa T, Allaqaband S, Weiss E, Harland D, **Jain R**. Mitral annular size by 3d transthoracic echocardiography versus cardiac computed tomography. Poster presentation at the 73rd Annual Scientific Session of the American College of Cardiology, April 6-8, 2024, in Atlanta, GA.

Tilkens B, Marzlin N, Beaudrie N, Kroboth S, Johnson S, **Jain R**. Rate of left atrium and left atrial appendage thrombus after surgical excision of left atrial appendage. Poster presentation at the 73rd Annual Scientific Session of the American College of Cardiology, April 6-8, 2024, in Atlanta, GA.

Nallamala H, **Jain R**, Robbe A, Bajwa T, Allaqaband S, Harland D. Unusual presentation of an unusual complication of a usual medication. Poster presentation at the 73rd Annual Scientific Session of the American College of Cardiology, April 6-8, 2024, in Atlanta, GA.

Peters M, Tanel E, Marzlin N, Kroboth S, Johnson B, Bajwa TK, Allaqaband SQ, Weiss E, Harland D, **Jain R**. The feasibility of tricuspid annulus sizing by three-dimensional transthoracic echocardiography in patients presenting for transcatheter interventions. Poster presentation at ASE Scientific Sessions, June 14-16, 2024, in Portland, OR.

Nallamala H, Beaudrie N, Peters M, Benser A, Galazka P, Muthukumar L, Harland D, Ignatowski D, Riley R, **Jain R**, Wessly P. Shedding light on safety: assessing fetal radiation exposure in interventional echocardiography. Oral presentation at ASE Scientific Sessions, June 14-16, 2024, in Portland, OR.

Peters M, Tobaa A, Ignatowski D, **Jain R**, Crouch J, Bajwa T. Nesting doll intervention: A case of valve-in-valve-in-valve transcatheter aortic valve replacement. Poster presentation at ASE Scientific Sessions, June 14-16, 2024, in Portland, OR.

Tilkens B, Peters M, Galazka P, Beaudrie N, Kroboth S, Johnson S, Wessly P, **Jain R**. Anatomical variations of residual left atrial appendage post-surgical exclusion: A retrospective study. Poster presentation at ASE Scientific Sessions, June 14-16, 2024, in Portland, OR.

Salinas PD, Dieiev V, Barnett J, Kramer D, Lamptey M, Erickson L, **Jain R**. Preserved left ventricular ejection fraction with abnormal myocardial work in sepsis. Moderated poster presentation at ESC Congress 2024, Aug. 30 to Sept. 2, 2024, in London.

Ashraf M, Allaqaband S, Anmar KA, **Jain R**, Harland D, Zubair H, Sherry C, Bajwa T. Trends in Outcomes of Elective Vs. Non-Elective Transcatheter Edge-to-Edge Repair of Mitral Valve. Oral presentation at TCT 2024, October 27-30, 2024, in Washington, D.C.

Rayan D, Allaqaband S, Jan MF, Tunink K, Zlochiver V, Weiss ES, Crouch J, Boulware D, **Jain R**, Bajwa T. Valve-in-Valve-in-Valve Transcatheter Aortic Valve Replacement in Practice: Largest Single Center Experience. Oral presentation at TCT 2024, October 27-30, 2024, in Washington, D.C.

Tanel E, Peters M, Somsak T, Wordell B, Wessly P, **Jain R**. Standardization of 3D semi-automated tricuspid valve annular size among echocardiographic vendors - the power of interchangeable 3D. Flatboard poster presentation at ACC.25, March 29-31, 2025, Chicago, IL.

Stives D, **Jain R**, Lin A, Khitha J. Rethinking right ventricular shock: right ventricular assist device as a bailout strategy in cardiogenic shock after right ventricle infarction. Flatboard poster presentation at ACC.25, March 29-31, 2025, Chicago, IL.

Stives D, Kostopoulos L, Somsak T, Madalinski B, **Jain R**. A chilling consequence of blunt force trauma: tricuspid valve flail leaflet induced by refrigerator impact. Flatboard poster presentation at ACC.25, March 29-31, 2025, Chicago, IL.

Abood Z, Jan MF, Koza AL, Staszak E, Fjeld R, Crouch JD, Weiss ES, **Jain R**, Allaqaband SQ, Bajwa T. Procedural Success and Inpatient Complications Following Transcatheter Mitral Valve in Valve/Ring Procedure: A Single-Center Experience. Poster presentation at SCAI 2025 Scientific Sessions in Washington, D.C., from May 1-3, 2025.

Hundal P, Abood Z, Boulware D, Hall J, Weiss ES, Crouch JD, Allaqaband SQ, Bajwa TK, **Jain R**, Galazka P, Jahangir A, Tajik AJ, Jan MF. Clinical Outcomes in Discordant Aortic Stenosis Patients with Preserved Ejection Fraction Following a Transcatheter Aortic Valve Replacement. Poster presentation at SCAI 2025 Scientific Sessions in Washington, D.C., from May 1-3, 2025.

Hundal P, Abood Z, Boulware D, Hall J, Weiss ES, Crouch JD, Allaqaband SQ, Bajwa TK, **Jain R**, Galazka P, Jahangir A, Jan MF. Clinical Outcomes in Normal-Flow, Low-Gradient Aortic Stenosis Following Transcatheter Aortic Valve Replacement: A Single-Center Experience. Poster presentation at SCAI 2025 Scientific Sessions in Washington, D.C., from May 1-3, 2025.

Hundal P, Abood Z, Boulware D, Hall J, Peters M, Port SC, **Jain R**, Jan MF, Tajik AJ, Galazka P. Utility of coronary computed tomography angiography in patients with hypertrophic cardiomyopathy. Poster presentation at the Society of Cardiovascular Computed Tomography's SCCT2025 Annual Scientific Meeting in Montreal, Canada, from July 17-20, 2025.

Wessly P, **Jain R**, Sherry C, Allaqaband S, Bajwa T. Transcatheter tricuspid valve replacement beyond age 75: 30-day outcomes in severe tricuspid regurgitation. Moderated abstract presentation at NY Valves 2025 in New York, NY, from June 25-27, 2025.

Hundal P, Abood Z, Howard L, Javadi N, Benser A, Schweitzer M, Jimenez E, Hall J, Peters M, Port SC, **Jain R**, Jan MF, Galazka P, Tajik AJ. Doppler flow velocity analysis in myocardial bridging of the left anterior descending artery in patients with hypertrophic cardiomyopathy. EPoster presentation at ASE Scientific Sessions, September 5-7, 2025, in Nashville, TN.

Hundal P, Abood Z, Boulware D, Hall J, Weiss ES, Crouch JD, Allaqaband SQ, Bajwa T, **Jain R**, Galazka P, Jahangir A, Tajik AJ, Jan MF. 1- and 5-year outcomes in patients with low-gradient aortic stenosis with classical low flow versus paradoxical low flow following transcatheter aortic valve replacement: a single-center experience. EPoster presentation at ASE Scientific Sessions, September 5-7, 2025, in Nashville, TN.

Hundal P, Abood Z, Boulware D, Hall J, Javadi N, Weiss ES, Crouch JD, Allaqaband SQ, Bajwa T, **Jain R**, Galazka P, Jahangir A, Tajik AJ, Jan MF. 1- and 5-year outcomes in patients with normal-flow versus paradoxical low-flow low-gradient aortic stenosis with preserved ejection fraction following transcatheter aortic valve replacement: a single-center experience. EPoster presentation at ASE Scientific Sessions, September 5-7, 2025, in Nashville, TN.

Hundal P, Abood Z, Boulware D, Hall J, Javadi N, Weiss ES, Crouch JD, Allaqaband SQ, Bajwa T, **Jain R**, Galazka P, Jahangir A, Tajik AJ, Jan MF. Echocardiographic hemodynamic profiles of patients with discordant severe aortic stenosis with preserved ejection fraction who underwent transcatheter aortic valve replacement. EPoster presentation at ASE Scientific Sessions, September 5-7, 2024, in Nashville, TN.

Peters M, Schweitzer M, Galazka P, Tajik AJ, **Jain R**. Impact of mavacamten on right ventricular free wall strain. EPoster presentation at ASE Scientific Sessions, September 5-7, 2025, in Nashville, TN.

Carlson C, Wessly P, Magdon D, Nallamala H, Bhatia A, Zilinski J, Sra J, Bajwa T, Allaqaband SQ, Wordell B, Howard L, Peters M, **Jain R**. Clinical utility of semi-automated left atrial appendage sizing for percutaneous left atrial appendage procedures. EPoster presentation at ASE Scientific Sessions, September 5-7, 2025, in Nashville, TN.

Wessly P, Jimenez E, Haines J, Howard L, Madalinski B, **Jain R**. Shielding the future: assessing fetal radiation risks for interventional echocardiographers in structural heart interventions. President's Circle ePoster presentation at ASE Scientific Sessions, September 5-7, 2025, in Nashville, TN.

Wessly P, Jimenez E, Haines J, Howard L, Madalinski B, **Jain R**. Radiation exposure among interventional echocardiographers during percutaneous structural heart interventions: a single-center study. EPoster presentation at ASE Scientific Sessions, September 5-7, 2025, in Nashville, TN.

Schweitzer M, Howard L, Ignatowski D, Peters M, Galazka P, **Jain R**, Tajik AJ. Standing Gradients Help Elicit Obstruction in Hypertrophic Cardiomyopathy. EPoster presentation at ASE Scientific Sessions, September 5-7, 2024, in Nashville, TN.

Schweitzer M, Howard L, Ignatowski D, Peters M, Galazka P, **Jain R**, Tajik AJ. Evaluating the left anterior descending by transthoracic echocardiography. EPoster presentation at ASE Scientific Sessions, September 5-7, 2025, in Nashville, TN.

Saldana G, Singulane C, Nair P, Sun D, Patel A, **Jain R**, Lang RM, Addetia K: Towards the Characterization of Early Amyloid Phenotype on Echocardiography. . EPoster presentation at ASE Scientific Sessions, September 5-7, 2024, in Nashville, TN.