

Ankur Kalra, MD, FACP, FACC, FSCAI
Curriculum Vitae



Curriculum Vitae

Current as of April 1, 2020

Ankur Kalra, MD, FACP, FACC, FSCAI

Present Title: *Assistant Professor of Medicine*
Cleveland Clinic Lerner College of Medicine of
Case Western Reserve University
Adjunct Associate Professor of Internal Medicine
Northeast Ohio Medical University
Interventional Cardiologist
Department of Cardiovascular Medicine
Heart, Vascular and Thoracic Institute
Cleveland Clinic
Section Head, Cardiovascular Research
Cleveland Clinic Akron General

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Cleveland Clinic Akron General
224 West Exchange St, Suite 225
Akron, Ohio 44302
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e: kalraa@ccf.org

Citizenship: India

Undergraduate Education:

2000 Delhi Public School, R.K. Puram, New Delhi, India
Major: Biology

Graduate Education:

2005 Indira Gandhi Medical College, Shimla, Himachal Pradesh University, India
MB BS

Postgraduate Education:

12/2018 – 6/2022 Health Economics, Outcomes and Management in Cardiovascular Sciences
London School of Economics and Political Science, London, UK
Executive MSc

7/2016 – 6/2017 Houston Methodist DeBakey Heart and Vascular Center
Houston Methodist Hospital, Houston, TX
Weill Cornell Medical College of Cornell University, New York, NY
Fellowship, Advanced Interventional and Structural Cardiology

4/2016 – 4/2017 Safety, Quality, Informatics and Leadership (SQIL) Program
Harvard Medical School, Boston, MA

7/2015 – 6/2016 Beth Israel Deaconess Medical Center
Harvard Medical School, Boston, MA
Fellowship, Interventional Cardiology

7/2012 – 6/2015 Minneapolis Heart Institute at Abbott Northwestern Hospital
Hennepin County Medical Center, Minneapolis, MN
Fellowship, Cardiovascular Disease

6/2009 – 6/2012 Cooper University Hospital
UMDNJ-Robert Wood Johnson Medical School, Camden, NJ
Residency, Internal Medicine

1/2008 – 4/2009 All India Institute of Medical Sciences (AIIMS), New Delhi, India
Residency, Internal Medicine

8/2007 – 12/2007 National Board of Examinations (NBE), New Delhi, India
Residency, Family Medicine

9/2006 – 8/2007 Kalra Hospital & SRCNC, New Delhi, India

9/2005 – 9/2006 House Officer
Jaipur Golden Hospital, New Delhi, India
Internship

Academic Appointments:

- 9/2019 – Present Adjunct Associate Professor of Internal Medicine
Northeast Ohio Medical University
Rootstown, OH
- 1/2019 – Present Assistant Professor, Department of Medicine
Cleveland Clinic Lerner College of Medicine of
Case Western Reserve University
Cleveland, OH
- 7/2017 – 12/2018 Assistant Professor of Medicine
Case Western Reserve University School of Medicine
Cleveland, OH
- 7/2014 – 6/2015 Chief Fellow, Cardiovascular Disease
Minneapolis Heart Institute at Abbott Northwestern Hospital
Hennepin County Medical Center, Minneapolis, MN
- 8/2004 – 9/2005 Medical Students' President
Indira Gandhi Medical College, Shimla, Himachal Pradesh, India
- 4/1999 – 3/2000 Deputy Head Boy
Delhi Public School, R.K. Puram, New Delhi, India

Certification and Licensure:

- Name of Board: Medical Council of India
Licensure State/No.: Delhi Medical Council, New Delhi, India; DMC/R/04002
Date Issued: 03/2007 – Lifetime
- Name of Board: American Board of Internal Medicine
Date Issued: 10/2012 – 12/2022
- Name of Board: Minnesota Medical Board
Licensure State/No.: Minnesota; 55091
Date Issued: 05/2012 – 10/2019
- Name of Board: National Board of Echocardiography
Date Issued: 12/2015 – 12/2024

Name of Board: Massachusetts Medical Board
Licensure State/No.: Massachusetts; 261672
Date Issued: 02/2015 – 10/2019

Name of Board: American Board of Internal Medicine – Cardiovascular Disease
Date Issued: 10/2015 – 12/2025

Name of Board: Texas Medical Board
Licensure State/No.: Texas; Q8918
Date Issued: 07/2016 – 08/2020

Name of Board: American Board of Internal Medicine – Interventional Cardiology
Date Issued: 10/2016 – 12/2026

Name of Board: Ohio Medical Board
Licensure State/No.: Ohio; 35.130806
Date Issued: 03/2017 – 10/2020

Honors and Awards:

2020 Scholarship in Teaching Award, Case Western Reserve University School of Medicine

For *Parallax*, a medicine (cardiology) podcast show

2019 High-Impact Clinical Research Presenter, Transcatheter Cardiovascular Therapeutics (TCT) Annual Scientific Sessions

High-impact clinical research: *Trends in the use of mechanical circulatory support in the United States: the 2012-2015 National Inpatient Sample.*

2019 Marquis Who's Who

2019 Richard E. Clark Memorial Paper, Society of Thoracic Surgeons (STS) Annual Meeting

For “*Reoperative surgical aortic valve replacement for bioprosthetic failure: insights from the Society of Thoracic Surgeons National Database.*”

2018 National Cardiovascular Data Registry (NCDR)/American College of Cardiology (ACC) Travel Award

For “*Electronic health records and outpatient cardiovascular care delivery: insights from the American College of Cardiology's PINNACLE India Quality Improvement Program (PIQIP).*”

2017 Late-Breaking Science Presenter, European Society of Cardiology (ESC) Congress

Late-breaking registry results: *Leaflet thrombosis following transcatheter aortic valve replacement: insights from the MAUDE database.*

2017 TCTMD Featured Fellow

2017 Award for Clinical Research Excellence, Houston Methodist DeBakey Heart and Vascular Center, Houston Methodist Hospital

In recognition of clinical research excellence by a Fellow whose efforts were judged to be of the highest clinical standard in terms of originality and impact

2017 Fellow of The Society of Cardiovascular Angiography and Interventions (FSCAI)

2017 National Cardiovascular Data Registry (NCDR)/American College of Cardiology (ACC) Travel Award

For “*Gender disparities in cardiovascular care access and delivery in India: Insights from the American College of Cardiology's PINNACLE India Quality Improvement Program (PIQIP).*”

2016 Young Leadership Recognition Program, Cardiovascular Research Technologies (CRT)
2017

2016 Fellow of the American College of Cardiology (FACC)

2016 National Cardiovascular Data Registry (NCDR)/American College of Cardiology (ACC) Travel Award

For “*Cardiovascular Disease Performance Measures in the Outpatient Setting in India: Insights from the American College of Cardiology's PINNACLE India Quality Improvement Program (PIQIP).*”

2015 Recipient, Duke Heart Center/Duke Clinical Research Institute (DCRI) Fellows' Presentation Skills Course

2015 American College of Cardiology (ACC)'s Cardiovascular Board Review Scholarship

2015 Chief Fellow Award, Hennepin County Medical Center/Abbott Northwestern Hospital Fellowship Training Program in Cardiovascular Disease

In recognition of outstanding contribution to the development of the Cardiovascular Disease Fellowship Program

2015 Alpha Omega Alpha (AOA), University of Minnesota Medical School

2015 Best Cardiovascular Team Poster, American College of Cardiology (ACC) 2015 Annual Scientific Sessions

For “*Doppler Tissue Imaging Predicts Progressive Heart Failure Prognosis in Hypertrophic Cardiomyopathy.*”

2015 Winner, American College of Cardiology (ACC) 2015 **Fellows-in-Training (FIT) Travel Award**

2015 Winner, American Association of Cardiologists of Indian Origin (AACIO) **Young Investigator Award**

For “*Cardiovascular Disease Performance Measures in the Outpatient Setting in India: Insights from the American College of Cardiology’s PINNACLE India Quality Improvement Program (PIQIP).*”

2014 Fellowship Grant, Cardiovascular Research Technologies (CRT) 2015

2014 Fellowship, American College of Physicians

2014 Finalist, Tenth Annual Northwestern Cardiovascular Young Investigators’ Forum

For “*Doppler Tissue Imaging Predicts Progressive Heart Failure Prognosis in Hypertrophic Cardiomyopathy.*”

2014 Finalist, American College of Cardiology (ACC)’s 2014 **Young Investigator Award Competition**

For “*Post-Myocardial Infarction Risk Stratification of Patients at Risk for Sudden Cardiac Arrest by Contrast-Enhanced Magnetic Resonance Imaging Scar Quantification.*”

2013 Winner, American College of Cardiology Foundation (ACCF)/**Bristol-Myers Squibb Travel Award**

2012 Winner, IABP Scholarship Program, Transcatheter Cardiovascular Therapeutics (TCT) 2012

For “*Peripartum Acute ST Elevation Myocardial Infarction from Spontaneous Coronary Artery Dissection.*”

2012 The New England Journal of Medicine (NEJM) Scholar (200th Anniversary Essay Contest)

For “*Technology Transcends Locoregional Barriers to Patient Care.*”

2012 State Winner (Cooper University Hospital), **New Jersey American College of Physicians (ACP) Challenge Bowl**

2012 First Round Winner (Cooper University Hospital), **New Jersey American College of Physicians (ACP) Challenge Bowl**

2010 First Prize, Oral Presentation, American College of Chest Physicians (ACCP) **Annual Meeting 2010**

For "*Acute Hypotensive Transfusion Reaction With Concomitant Use of ACE Inhibitors.*"

2010 Intern of the Year, Division of Internal Medicine, Department of Medicine, **Cooper University Hospital**

2010 First Prize, Case Study Research, Cooper Research Week

For "*Acute Hypotensive Transfusion Reaction With Concomitant Use of ACE Inhibitors.*"

2007 Rank 8 (All India), The **AIIMS** Postgraduate Entrance Examination

2003 First Prize, World AIDS Day Poster Competition

2003 Second Prize, World AIDS Day Discourse on ‘Live and Let Live’

2002 Best Rebuttal, Inter-College State Debate Competition

Membership in Professional Societies:

Indian Medical Association, Member,

Critical Care Working Group, Founding Member, 2011 – Lifetime

American College of Chest Physicians (ACCP), Affiliate, 2012 – 2017

American Association of Cardiologists of Indian Origin, Member, 2013 – Present

American College of Physician (FACP), Fellow, 2014 – Present

Alpha Omega Alpha (AOA) Honor Medical Society, Member, 2015 – Lifetime

Massachusetts Medical Society, Member, 2015 – Present

American College of Cardiology (FACC), Fellow, 2016 – Present

The Society of Cardiovascular Angiography and Interventions (FSCAI), Fellow, 2017 – Present

Harvard Alumni Association, Member, 2018 – Lifetime

Professional Services:

Editorial Boards

Journal: Cardiology and Therapy
Dates of Service: 11/2013 – Present

Journal: Indian Heart Journal: Official Publication of the Cardiological Society of India
Dates of Service: 12/2014 – Present

Journal: Case Reports in Internal Medicine
Dates of Service: 02/2016 – Present

Journal: Global Heart: The Official Journal of the World Heart Federation (Associate Editor)
Dates of Service: 02/2018 – Present

Journal: US Cardiology Review (Editor-in-Chief)
Dates of Service: 09/2018 – Present

Journal: Journal of the American College of Cardiology (JACC): Case Reports (Senior Editorial Advisor/Consultant)
Dates of Service: 03/2019 – Present

Ad Hoc Reviewer

Journal: Cardiology and Therapy
Dates of Service: 2013 – Present

Journal: Catheterization and Cardiovascular Interventions
Dates of Service: 2013 – Present

Journal: Future Medicine
Dates of Service: 2014 – Present

Journal: Global Heart: The Official Journal of the World Heart Federation
Dates of Service: 2016 – Present

Journal: BMC Medical Education
Dates of Service: 2017 – Present

Journal: Circulation: Cardiovascular Quality & Outcomes
Dates of Service: 2017 – Present

Journal: European Journal of Cardio-Thoracic Surgery
Dates of Service: 2017 – Present

Journal: Journal of the American Heart Association
Dates of Service: 2017 – Present

Journal: Journal of Interventional Cardiology
Dates of Service: 2017 – Present

Journal: Journal of Invasive Cardiology
Dates of Service: 2017 – Present

Journal: Methodist DeBakey Cardiovascular Journal
Dates of Service: 2017 – Present

Journal: Structural Heart: The Journal of the Heart Team
Dates of Service: 2017 – Present

Journal: The American Journal of Cardiology
Dates of Service: 2017 – Present

Journal: US Cardiology Review
Dates of Service: 2017 – Present

Journal: EuroIntervention
Dates of Service: 2018 – Present

Journal: Journal of the American College of Cardiology (JACC) (Guest Editor)
Dates of Service: 2018 – Present

Journal: Journal of the American College of Cardiology (JACC): Cardiovascular Interventions
Dates of Service: 2018 – Present

Journal: Annals of Global Health
Dates of Service: 2019 – Present

Journal: Mayo Clinic Proceedings
Dates of Service: 2019 – Present

Journal: BMC Cardiovascular Disorders
Dates of Service: 2019 – Present

Journal: International Journal of Cardiology
Dates of Service: 2020 – Present

Journal: Mayo Clinic Proceedings: Innovations, Quality & Outcomes
Dates of Service: 2020 – Present

Journal: American Heart Journal
Dates of Service: 2020 – Present

Journal: Cardiovascular Diagnosis and Therapy
Dates of Service: 2020 – Present

Journal: Expert Review of Medical Devices
Dates of Service: 2020 – Present

Advisory Groups

Title: Director, Hypertrophic Cardiomyopathy Center, Kalra Hospital SRCNC® (Sri Ram Cardio-thoracic & Neurosciences Centre) Pvt. Ltd., New Delhi, India
Dates of Service: 09/2014 – Present

Title: Chief Executive Officer & Creative Director, Make A Dent® (makeadent.org), a non-profit startup that innovates applications and programs in healthcare worldwide.
Dates of Service: 09/2018 – Present

Committee Service:

National

Organization: American College of Cardiology
Committee Name/Role: Chair, Fellows-in-Training (FIT) Newsletter Working Group
Dates of Service: 09/2013 – 03/2015

Organization: American College of Cardiology
Committee Name/Role: Fellows-in-Training (FIT) Representative, Communications Work Group, Geriatric Cardiology Section
Dates of Service: 08/2013 – 04/2017

Organization: ACC.org
Committee Name/Role: Associate Editorial Team Lead, Geriatric Cardiology Section, ACC.org Editorial Board
Dates of Service: 05/2014 – 04/2017

Organization: American College of Cardiology
Committee Name/Role: PINNACLE (Practice Innovation and Clinical Excellence) India Writing Group Committee
Dates of Service: 06/2014 – Present

Organization: American College of Cardiology Council
Committee Name/Role: Early Career Committee, Massachusetts Chapter
Dates of Service: 02/2016 – 06/2016

Organization: Cardiovascular Research Foundation
Committee Name/Role: TCTMD Fellow Talk Blogger
Dates of Service: 07/2016 – 06/2017

Organization: American Heart Association/American Stroke Association
Committee Name/Role: Early Career Blogging Program
Dates of Service: 08/2016 – 01/2017

Organization: American College of Cardiology
Committee Name/Role: Member, Simulation Working Group
Dates of Service: 03/2017 – 08/2018

Organization: American College of Cardiology
Committee Name/Role: Member, ACC.org Interventional Writing Group
Dates of Service: 12/2017 – Present

Organization: Society for Cardiovascular Angiography and Interventions
Committee Name/Role: Member, Publications Committee; Member, Structural Heart Disease Council
Dates of Service: 01/2018 – Present

Organization: Transcatheter Cardiovascular Therapeutics (TCT)
Committee Name/Role: Member, International Complex Cases Reviewing Committee, TCT 2019
Dates of Service: 07/2019 – 07/2019

Organization: American College of Cardiology (ACC)/World Congress of Cardiology (WCC)
Committee Name/Role: Member, ACC.20/WCC Annual Scientific Session 2020 Interventional Challenging Cases Reviewing Committee (Reviewer Team 2)
Dates of Service: 07/2019 – 11/2019

Organization: Ohio Chapter of the American College of Cardiology (ACC)
Committee Name/Role: Member, Ohio-ACC 29th Annual Meeting 2019, Abstracts Reviewing Committee; Fellow-in-Training Poster Judge
Dates of Service: 07/2019 – 07/2019

Organization: Cleveland Clinic Lerner College of Medicine (CCLCM)
Committee Name/Role: CCLCM Medicine representative to the Case Western Reserve University (CWRU) Faculty Council
Dates of Service: /2019 – Present

Organization: Society for Cardiovascular Angiography & Interventions
Committee Name/Role: Member, Abstracts Reviewing Committee
Dates of Service: 01/2020 – 04/2020

International

Organization: European Society of Cardiology
Committee Name/Role: Member, Clinical Case Reviewing Committee
Dates of Service: 03/2018 – 03/2018

Organization: European Society of Cardiology
Committee Name/Role: Member, Abstracts Reviewing Committee
Dates of Service: 02/2019 – 02/2019

Organization: European Society of Cardiology
Committee Name/Role: Member, Abstracts Reviewing Committee
Dates of Service: 02/2020 – 02/2020

Teaching Activities:

Curriculum/Course Development

1. Scientific Revision (Chapter 5: Diseases of the pericardium and myocardium), Cardiology: A Practical Handbook (David Laflamme) (First Edition). 2016.
2. Medical Knowledge Self Assessment Program (MKSAP) 18 Pulmonary and Critical Care Medicine Peer-Review Evaluation, Sections on chronic obstructive pulmonary disease/ bronchiectasis and lung tumors. 2017.
3. American College of Cardiology Annual Scientific Sessions 2018, Right Heart Catheterization Simulation Station Curriculum. 2018.
4. Faculty Reviewer, First Aid for the USMLE Step 2 Clinical Knowledge (Tenth Edition). 2019.
5. Podcast content development for the journal US Cardiology Review's first podcast series, Parallax. 2019.

6. Curriculum development for weekly cardiovascular research conference for Cleveland Clinic Akron General internal medicine residency program.

Grand Rounds

National

1. Catheterization laboratory activation during mechanical cardiopulmonary resuscitation - when should we say “No?” MedStar Washington Hospital Center, Washington, DC, August 27, **2014**.

Local

2. Leaflet thrombosis following transcatheter aortic valve replacement. University Hospitals Harrington Heart & Vascular Institute Grand Rounds, Cleveland, OH, December 7, **2017**.
3. Stent technology: past, present and future. Cleveland Clinic Akron General Heart, Vascular and Thoracic Department Grand Rounds, Akron, OH, **2019**.
4. Patent foramen ovale closure in adults: clinical trial update, indications and emerging devices. Cleveland Clinic Akron General Heart, Vascular and Thoracic Department Grand Rounds, Akron, OH, January 31, **2020**.

Invited Lectures

National

1. Transcatheter aortic valve replacement: case presentation. **Cardiovascular Innovations Annual Scientific Sessions 2018**, Denver, CO, July 26, **2018**.

Regional

2. Emerging transcatheter options for tricuspid regurgitation. **Ohio-American College of Cardiology (ACC) 27th Annual Meeting**, Columbus, OH, October 14, **2017**.
3. Joint Initiative for Genomic Risk Stratification by Yern Asians to fight heart disease in South Asians (JIGYASA). **Association of Indian Physicians of Northern Ohio (AIPNO) Symposium**, Warrensville Heights, OH, November 9, **2019**.

Local

4. Cell therapy for heart failure case study: large anterior myocardial infarction with decreased ejection fraction two weeks later on medications. **Heart Failure 2012: The Update**, Minneapolis, MN, December 1, **2012**.

5. Atrial fibrillation (AF) after transcatheter aortic valve replacement (TAVR): optimizing management of peri-TAVR AF. **Southwest Valve Summit Meeting**, San Antonio, TX, May 6, **2017**.
6. Transcatheter aortic valve replacement for sutureless aortic valve failure. **Southwest Valve Summit Meeting**, San Antonio, TX, May 6, **2017**.
7. Recent advances in percutaneous mitral valve intervention. **11th Annual Cardiovascular Disease Update**, Cleveland, OH, October 4, **2017**.

Trainees/Mentees

Name	Mentee/Trainee Role	Graduation Year	Current (or Future) Position
Mohamad Amer Alaiti, MD	Interventional Cardiology Fellow	2019	Interventional Cardiology Fellow (2017-2019), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Sadeer G. Al-Kindi, MD	Cardiovascular Disease Fellow	2019	Cardiologist, University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Anshul Badhwar, MD	Cardiovascular Disease Fellow	2021	Cardiovascular Disease Fellow (2018-2021), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine

Name	Mentee/Trainee Role	Graduation Year	Current (or Future) Position
Eric J. Bansal, MD	Interventional Cardiology Fellow	2019	Interventional Cardiology Fellow (2017-2019), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Jonathan Buggie, MD	Cardiovascular Disease Fellow	2019	Advanced Heart Failure and Transplant Cardiology Fellow (2019-2020), Cleveland Clinic
Tarek Chami, MD	Cardiovascular Disease Fellow	2021	Cardiovascular Disease Fellow (2018-2021), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Eugene Chang, MD, PhD	Cardiovascular Disease Fellow	2020	Cardiovascular Disease Fellow (2017-2020), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Joshua R. Clevenger, MD	Cardiovascular Disease Fellow	2020	Cardiovascular Disease Fellow (2017-2020), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine

Name	Mentee/Trainee Role	Graduation Year	Current (or Future) Position
Yashu Dhamija, MD	Internal Medicine Resident	2020	Internal Medicine Resident (2017-2020), Cleveland Clinic Akron General
Konstantin S. German, MD	Internal Medicine Resident	2019	Chief Medical Resident (2019-2020), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Jamal Hajjari, MD	Cardiovascular Disease Fellow	2021	Cardiovascular Disease Fellow (2018-2021), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Scott E. Janus, MD	Cardiovascular Disease Fellow	2021	Cardiovascular Disease Fellow (2018-2021), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Mohamad H. Karnib, MD	Internal Medicine Resident	2019	Cardiovascular Disease Fellow (2019-2022), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine

Name	Mentee/Trainee Role	Graduation Year	Current (or Future) Position
Aditya K. Khetan, MD	Cardiovascular Disease Fellow	2019	Advanced Echocardiography Fellow (2019-2020), McMaster University, Hamilton, Ontario, Canada
Daniel Kobe, MD	Internal Medicine Resident	2019	Chief Medical Resident (2019-2020), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Ahmad Jabri, MD	Internal Medicine Resident	2020	Internal Medicine Resident (2017-2020), Cleveland Clinic Akron General
Matthew J. Lacey, MD	Internal Medicine Resident	2020	Internal Medicine Resident (2017-2020), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Jun Li, MD	Advanced Interventional Cardiology Fellow	2018	Interventional Cardiologist, University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Jacob D. Luthman, MD	Cardiovascular Disease Fellow	2018	Advanced Heart Failure and Transplant Cardiology Fellow (2018-2019), Cleveland Clinic

Name	Mentee/Trainee Role	Graduation Year	Current (or Future) Position
Haytham Mously, MD	Cardiovascular Disease Fellow	2021	Cardiovascular Disease Fellow (2018-2021), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Fahd Nadeem, MD	Cardiovascular Disease Fellow	2020	Cardiovascular Disease Fellow (2017-2020), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Thuy Nguyen, MD	Cardiovascular Disease Fellow	2019	Multimodality Cardiovascular Imaging Fellow (2019-2021), University of California San Francisco
Muhammad Siyah Panhwar, MD	Internal Medicine Resident	2019	Cardiovascular Disease Fellow (2019-2022), Tulane University School of Medicine
Andrew Patterson, MD, PhD	Cardiovascular Disease Fellow	2019	Cardiovascular Disease Fellow (2016-2019), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Benjamin D. Ravaee, MD	Cardiovascular Disease Fellow	2018	Private Practice

Name	Mentee/Trainee Role	Graduation Year	Current (or Future) Position
Hasan Rehman, MD	Internal Medicine Resident	2018	Cardiovascular Disease Fellow (2018-2021), Houston Methodist Hospital
Isaac B. Rhea, MD	Cardiovascular Disease Fellow	2018	Cardio-oncology Fellow, Moffitt Cancer Center
Fady S. Riad, MD	Cardiovascular Disease Fellow	2020	Cardiovascular Disease Fellow (2017-2020), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Mohamad K. Sabeh, MD	Cardiovascular Disease Fellow	2018	Electrophysiology Fellow (2018-2020), Massachusetts General Hospital, Harvard Medical School
Aaron Ali Shaikh, MD	Internal Medicine Resident	2020	Internal Medicine Resident (2017-2020), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Khaled Tuwairqi, MD	Cardiovascular Disease Fellow	2020	Cardiovascular Disease Fellow (2017-2020), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine

Name	Mentee/Trainee Role	Graduation Year	Current (or Future) Position
Elizabeth Verghese, MD	Internal Medicine Resident	2020	Internal Medicine Resident (2017-2020), Cleveland Clinic Akron General
Ghazanfar Qureshi, MD	Advanced Interventional Cardiology Fellow	2018	Private Practice
Ahmad Younes, MD	Cardiovascular Disease Fellow	2018	Interventional Cardiology Fellow (2018-2020), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine
Mohamed Wazzan, MD	Internal Medicine Resident	2019	Cardiovascular Disease Fellow (2019-2022), University Hospitals Cleveland Medical Center, Case Western Reserve University School of Medicine

Non-didactic teaching

1. Resident training:

7/2017 – 12/2018: Active bedside teaching of University Hospitals Cleveland Medical Center internal medicine residents on inpatient cardiology services (cardiac intensive care and telemetry units) (8-12 weeks of inpatient rounding every year).

1/2019 – Present: Active bedside teaching of Cleveland Clinic Akron General internal medicine residents on inpatient cardiology services (cardiac intensive care unit) (8-12 weeks of inpatient rounding every year).

2. Clinical Fellow training:

7/2017 – 12/2018: Active beside teaching of cardiovascular disease and interventional cardiology fellows on (a) inpatient cardiology (cardiac intensive care unit and consultative cardiology services) (8-12 weeks of inpatient rounding every year); (b) outpatient cardiology (half day [5 hours] per week cardiology clinic); and (c) cardiac catheterization laboratory at University Hospitals Cleveland Medical Center.

Research Support:

1. St. Jude Medical, Inc.; Ten Thousand Dollars (\$10,000) for “Implantable cardioverter-defibrillator therapy following acute myocardial infarction: Risk stratification with tissue heterogeneity characterization utilizing contrast-enhanced magnetic resonance imaging,” 0% salary support.

Bibliography:

(*equal first author contribution to the manuscript)

Peer-reviewed Original Research Articles

1. Mejía-Rentería H, Nombela-Franco L, Paradis JM, Lunardi M, Lee JM, Amat-Santos IJ, Veiga Fernandez G, **Kalra A**, Bansal EJ, de la Torre Hernandez JM, Rodés-Cabau J, Ribichini FL, Escaned J; Collaborators. Functional assessment of coronary stenosis with angiography-based quantitative flow ratio compared with fractional flow reserve in patients with severe aortic stenosis. **EuroIntervention**. 2020; doi: 10.4244/EIJ-D-19-01001. [Epub ahead of print]
2. Tsushima T, Nadeem F, Al-Kindi S, Clevenger JR, Bansal EJ, Wheat HL, **Kalra A**, Attizzani GF, Elgudin Y, Markowitz A, Costa MA, Simon DI, Arruda MS, Mackall JA, Thal SG. Risk prediction model for cardiac implantable electronic device implantation after transcatheter aortic valve replacement. **JACC Clin Electrophysiol**. 2020;6:295-303.
3. Lipinski J, Patel SM, Patel TR, Kobe D, Saric P, Panhwar M, Nadeem F, Li J, Clevenger JR, Ichibori Y, Fares A, Lang K, Bezerra HG, Sareyyupoglu B, Medalion B, Park S, Deo S, Elgudin Y, Markowitz A, Simon DI, Costa MA, **Kalra A**, Attizzani GF. Transcatheter valve implantation for failed surgical aortic and mitral bioprostheses: a single-center experience. **J Invasive Cardiol**. 2020; [Epub ahead of print]
4. Kwok CS, **Kalra A**, Velagapudi P, Park K, Mohamed M, Alraies MC, Cheng RK, Bagur R, Mamas MA. Comparison of 30-day unplanned readmissions to the index versus nonindex hospital after percutaneous coronary intervention. **Am J Cardiol**. 2020; doi: 10.1016/j.amjcard.2020.01.051. [Epub ahead of print]

5. Bandyopadhyay D, Chakraborty S, Amgai B, Kapadia SR, Braunwald E, Naidu SS, **Kalra A**. Association of hypertrophic obstructive cardiomyopathy with outcomes following transcatheter aortic valve replacement. **JAMA Netw Open**. 2020;3:e1921669.
6. Alkhouli M, Alqahtani F, **Kalra A**, Gafoor S, Alhajji M, Alreshidan M, Holmes DR, Lerman A. Trends in characteristics and outcomes of patients undergoing coronary revascularization in the United States, 2003-2016. **JAMA Netw Open**. 2020;3:e1921326.
7. Panhwar MS, Deo SV, Gupta T, Khera S, Kanaa'N A, Svensson LG, Kapadia SR, Puri R, Hedrick DP, Lahorra JA, Bakaeen F, **Kalra A**. Weekend operation and outcomes of patients admitted for nonelective coronary artery bypass surgery. **Ann Thorac Surg**. 2019; doi:10.1016/j.athoracsur.2019.09.098. [Epub ahead of print]
8. Sharkey SW, **Kalra A**, Henry TD, Smith TD, Pink VR, Lesser JR, Garberich RF, Maron MS, Maron BJ. Coexistence of acute takotsubo syndrome and acute coronary syndrome. **Catheter Cardiovasc Interv**. 2019; doi: 10.1002/ccd.28595. [Epub ahead of print]
9. Siddiqi TJ, Usman MS, Khan MS, Khan MAA, Riaz H, Khan SU, Murad MH, Kavinsky CJ, Doukky R, **Kalra A**, Desai MY, Bhatt DL. Performance of current risk models in predicting short-term mortality after transcatheter aortic valve replacement: a systematic review and meta-analysis. **EuroIntervention**. 2019; doi: 10.4244/EIJ-D-19-00636. [Epub ahead of print]
10. Panhwar MS, ** Gupta T, ** Karim A, Khera S, Puri R, Nallamotheu BK, Menon V, Khot UN, Bhatt DL, Kapadia SR, Naidu SS, **Kalra A**. Trends in the use of short-term mechanical circulatory support in the United States – an analysis of the 2012 – 2015 National Inpatient Sample. **Structural Heart**. 2019; doi: 10.1080/24748706.2019.1669234.
11. Lateef N, Khan MS, Deo SV, Yamani N, Riaz H, Virk HUH, Khan SU, Hedrick DP, Kanaan A, Reed GW, Krishnaswamy A, Puri R, Kapadia SR, **Kalra A**. Meta-analysis comparing outcomes in patients undergoing transcatheter aortic valve implantation with versus without percutaneous coronary intervention. **Am J Cardiol**. 2019;124:1757-1764.
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48. **Kalra A**, Schumacher C, Alden P, Harris KM. Endovascular repair of descending thoracic aortic pseudoaneurysm in a patient with Loeys-Dietz II syndrome. Challenging Cases Presentation, **Transcatheter Cardiovascular Therapeutics Annual Scientific Sessions**, Miami, FL, October 23, **2012**.
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Regional Meetings

65. Kazmi FN, Adil A, **Kalra A**, Almquist AK. Arrhythmogenic syncope predating infiltration in infiltrative cardiomyopathy. Poster Presentation, **American College of Physicians (ACP) Minnesota Chapter Meeting**, Minneapolis, MN, November 7, **2014**.
66. Adil A, Kazmi FN, **Kalra A**, Almquist AK. Evaluation of syncope: should hyperventilation be part of the algorithm? Poster Presentation, **American College of Physicians (ACP) Minnesota Chapter Meeting**, Minneapolis, MN, November 7, **2014**.
67. Aggarwal A, Svobodny BP, Samara MA, **Kalra A**. Idiopathic fulminant heart failure: when history unraveled the mystery. Poster Presentation, **American College of Physicians (ACP) Minnesota Chapter Meeting**, Minneapolis, MN, November **2013**.
68. Briese N, Sandoval Y, **Kalra A**, Williams DM, LeClaire M, Shroff GR. Was that murmur there five hours ago? An acute complication of myocardial infarction. Poster Presentation, **American College of Physicians (ACP) Minnesota Chapter Meeting**, Minneapolis, MN, November **2013**.
69. Mok S, **Kalra A**, Gajera M, Ojiako C, Rajaram SS, Dellinger RP. Rethinking an algorithm - the utility of the Technitium-99m labeled red cell scanning for lower gastrointestinal bleed. Poster Presentation, **American College of Physicians (ACP) New Jersey Chapter Meeting**, Iselin, NJ, March 2, **2012**.