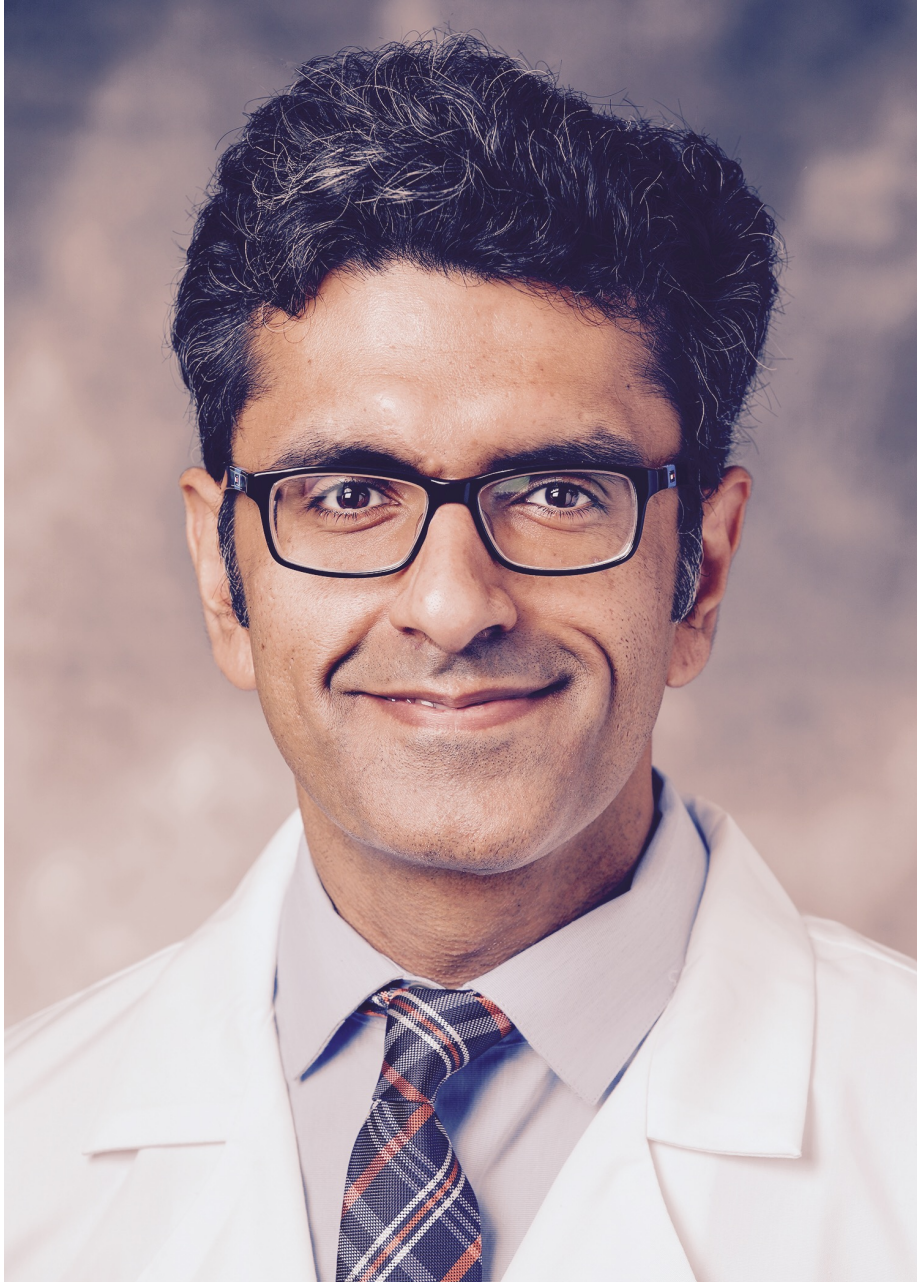


Ankur Kalra, MD, FACP, FACC, FSCAI
Curriculum Vitae



Curriculum Vitae

Current as of June 26, 2018

Ankur Kalra, MD, FACP, FACC, FSCAI

Present Title: *Clinical Assistant Professor of Medicine (Cardiology)*
Case Western Reserve University School of Medicine
Structural Heart Interventional Cardiologist
Harrington Heart & Vascular Institute
University Hospitals Cleveland Medical Center

Director
Hypertrophic Cardiomyopathy Center
Kalra Hospital SRCNC® (Sri Ram Cardio-thoracic & Neurosciences Centre)
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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 – 6/2020 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:

- 7/2017 – Clinical Assistant Professor of Medicine (Cardiology)
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, Simla (Shimla), India
- 4/1999 – 3/2000 Deputy Head Boy
Delhi Public School, R.K. Puram, New Delhi, India

Licensure:

- New Delhi, India (active) (#DMC/R/04002)
Minnesota, USA (active) (#55091)
Massachusetts, USA (active) (#261672)
Texas, USA (active) (#Q8918)
Ohio, USA (active) (#130806)

Certification:

- 2016 American Board of Internal Medicine (ABIM) - Interventional Cardiology
(#331291)
- 2015 American Board of Internal Medicine (ABIM) - Cardiovascular Disease
(#331291)
- 2014 National Board of Echocardiography (NBE)
- 2012 American Board of Internal Medicine (ABIM) (#331291)
- 2011 Step 3
- 2007 ECFMG (#0698-965-1)
- 2006 MB BS

Professional Organizations:

Member, Indian Medical Association
Founding Member, Critical Care Working Group
Fellow, American College of Physician (FACP)
Affiliate, American College of Chest Physicians (ACCP)
Fellow, American College of Cardiology (FACC)
Student/Trainee, American Heart Association (AHA)
Member, American Association of Cardiologists of Indian Origin
Fellow, The Society of Cardiovascular Angiography and Interventions (FSCAI)
Member, Alpha Omega Alpha (AOA) Honor Medical Society
Member, Massachusetts Medical Society

Committees/Advisory Boards:

(Current)

Committee Member, Doximity Physician Panel
Member, PINNALCE (Practice Innovation and Clinical Excellence) India *Writing Group Committee*, **American College of Cardiology**
Member, *Advisory Board*, **Cardiology and Therapy Journal**, Springer Healthcare Ltd.
Member, *International Editorial Board*, **Indian Heart Journal**, Official Publication of The Cardiological Society of India
Member, *Editorial Review Board*, **Case Reports in Internal Medicine Journal**, Sciedu Press
Deputy Editor, **US Cardiology Review**, Radcliffe Cardiology
Member, **American College of Cardiology Simulation Work Group** (3/2017 - present)
Member, **American College of Cardiology Interventional Writing Group** (12/2017 - present)
Assistant Reviewer Program, **Circulation: Cardiovascular Quality & Outcomes**
Associate Editor, **Global Heart**, Official Journal of The World Heart Federation; affiliated with the Asian Pacific Society of Cardiology
European Society of Cardiology Congress 2018 — **Member**, *Clinical Case Reviewing Committee*

(Previous)

Early Career Blogging Program, **American Heart Association/American Stroke Association** (8/2016 - 1/2017)
TCTMD Fellow Talk Blogger, Cardiovascular Research Foundation (7/2016 - 6/2017)
Associate Editorial Team Lead, *Editorial Board*, ACC.org Geriatric Cardiology Section (5/2014 - 4/2017)
Member, Early Career Committee, **Massachusetts Chapter, American College of Cardiology Council** (2/2016 - 6/2016)
Chair, *Fellows-in-Training (FIT) Newsletter Working Group*, **American College of Cardiology** (9/2013 - 3/2015)

Fellows-in-Training (FIT) Representative, Communications Work Group, Geriatric Cardiology Section, American College of Cardiology (8/2013 - 4/2017)

Honors and Awards:

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

Grant 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.**”

Publications:

(**equal first author contribution to the manuscript)

Peer-reviewed Original Research Articles

1. Longenecker CT, **Kalra A**, Okello E, Lwabi P, Omagino JO, Kityo C, Kamyra MR, Weibel AR, Simon DI, Salata RA, Costa MA. A human-centered approach to cardiovascular care: infrastructure development in Uganda. **Glob Heart**. 2018; doi: 10.1016/j.gheart.2018.02.002. [Epub ahead of print]
2. Villablanca P, Olmedo W, Weinreich M, Gupta T, Mohananey D, Albuquerque F, Kassas I, Briceño D, Sanina C, Brevik T, Ramakrishna H, Attubato M, Menegus M, Wiley J, Ong E, **Kalra A**. Staged percutaneous intervention for concurrent chronic total occlusions in patients with ST-elevation myocardial infarction: a systematic review and meta-analysis. **J Am Heart Assoc**. 2018;7. pii: e008415.
3. Gupta T, Khera S, Kolte D, Goel K, **Kalra A**, Villablanca PA, Aronow HD, Abbott JD, Fonarow GC, Taub CC, Kleiman NS, Wiesz G, Inglessis I, Elmariah S, Rihal CS, Garcia MJ, Bhatt DL. Transcatheter versus surgical aortic valve replacement in patients with prior coronary artery bypass grafting: trends in utilization and propensity-matched analysis of in-hospital outcomes. **Circ Cardiovasc Interv**. 2018;11:e006179. doi: 10.1161/CIRCINTERVENTIONS.117.006179.
4. Deo SV, Raza S, **Kalra A**, Deo VS, Altarabsheh SE, Markowitz AH, Sabik JF, Park SJ. Admissions for infective endocarditis in intravenous drug users. **J Am Coll Cardiol**. 2018;71:1596-1597.
5. **Kalra A**, Bhatt DL, Wei J, Anderson KL, Rykowski S, Kerkar PG, Kumar G, Maddox TM, Oetgen WJ, Virani SS. Electronic health records and outpatient cardiovascular disease care delivery: Insights from the American College of Cardiology’s PINNACLE India Quality Improvement Program (PIQIP). **Ind Heart J**. 2018; doi: 10.1016/j.ihj.2018.03.002. [Epub ahead of print]
6. **Kalra A**, Raza S, Puri R, Deo SV, Auffret V, Khera S, Attizzani GF, Zia A, Khan MS, Reardon MJ, Kleiman NS, Latib A, Rodés-Cabau J, Sabik JF, Bhatt DL. Subclinical leaflet thrombosis and clinical outcomes after TAVR: a systematic review and meta-analysis. **Structural Heart**. 2018; doi: 10.1080/24748706.2018.1440678. [Epub ahead of print]

7. Bleiziffer S, Erlebach M, Simonato M, Pibarot P, Webb J, Capek L, Windecker S, George I, Sinning JM, Horlick E, Napodano M, Holzhey DM, Petursson P, Cerillo A, Bonaros N, Ferrari E, Cohen MG, Baquero G, Jones TL, **Kalra A**, Reardon MJ, Chhatriwalla A, Gama Ribeiro V, Alnasser S, Van Mieghem NM, Rustenbach CJ, Schofer J, Garcia S, Zeus T, Champagnac D, Bekeredijan R, Kornowski R, Lange R, Dvir D. Incidence, predictors and clinical outcomes of residual stenosis after aortic valve-in-valve procedures. **Heart**. 2018; doi: 10.1136/heartjnl-2017-312422. [Epub ahead of print]
8. **Kalra A**,** Hafiz AM,** Ramadan R, Poulin MF, Andalib A, Phillips CT, Bhatt DL, Reardon MJ, Kleiman NS, Popma JJ. Leaflet thrombosis following transcatheter aortic valve replacement: insights from the MAUDE database. **Structural Heart**. 2017;1:256-264.
9. **Kalra A**,** Gupta T,** Kolte D, Khera S, Villablanca PA, Goel K, Bortnick AE, Aronow WS, Panza JA, Kleiman NS, Abbott JD, Slovut DP, Taub CC, Fonarow GC, Reardon MJ, Rihal CS, Garcia MJ, Bhatt DL. Transcatheter aortic valve replacement in the United States: regional variation in utilization, in-hospital mortality, and health care resource use. **Am J Cardiol**. 2017;120:1869-1876.
10. **Kalra A**,** Rehman H,** Ramchandani M, Barker CM, Lawrie GM, Reul RM, Reardon MJ, Kleiman NS. Early Trifecta valve failure: report of a cluster of cases from a tertiary care referral center. **J Thorac Cardiovasc Surg**. 2017;154:1235-1240.
11. Khera S, Kolte D, Gupta T, Goldsweig A, Velagapudi P, **Kalra A**, Tang GH, Aronow WS, Fonarow GC, Bhatt DL, Aronow HD, Kleiman NS, Reardon MJ, Gordon PC, Sharaf BL, Abbott JD. Transcatheter aortic valve replacement: association between hospital volume and 30-day readmissions. **JAMA Cardiol**. 2017;2:732-741.
12. Virani SS, Pokharel Y, Steinberg L, Chan W, Akeroyd JM, Gowani SA, **Kalra A**, Polsani V, Miedema MD, Jones PH, Nambi V, Petersen LA, Ballantyne CM. Provider understanding of the 2013 ACC/AHA cholesterol guideline. **J Clin Lipidol**. 2016;10:497-504.
13. **Kalra A**, Pokharel Y, Glusenkamp N, Wei J, Kerkar PG, Oetgen WG, Virani SS. Gender disparities in cardiovascular care access and delivery in India: insights from the American College of Cardiology's PINNACLE India Quality Improvement Program (PIQIP). **Int J Cardiol**. 2016;215:248-251.
14. **Kalra A**, Harris KM, Maron BA, Maron MS, Garberich RF, Haas TS, Lesser JR, Maron BJ. Association of Doppler tissue imaging parameters with heart failure progression in hypertrophic cardiomyopathy. **Am J Cardiol**. 2016;117:1808-1814.
15. Pokharel Y, Wei J, Hira RS, **Kalra A**, Shore S, Kerkar PG, Kumar G, Risch S, Vicera V, Oetgen WJ, Deswal A, Turakhia MP, Glusenkamp N, Virani SS. Guideline directed medication use in patients with heart failure with reduced ejection fraction in India: American College of Cardiology's PINNACLE India Quality Improvement Program. **Clin Cardiol**. 2016;39:145-149.

16. Johnson BK, Garberich RF, Henry TD, Katsiyiannis WT, Sengupta J, **Kalra A**, Hauser RG, Lardy ME, Newell MC. Eligibility and utilization of implantable cardioverter-defibrillators (ICD) in appropriate patients in a regional STEMI system. **Heart Rhythm**. 2016;13:538-546.
17. **Kalra A**, Pokharel Y, Hira RS, Risch S, Vicera V, Li Q, Kalra RN, Kerkar PG, Kumar G, Maddox TM, Oetgen WJ, Glusenkamp N, Turakhia MP, Virani SS. Cardiovascular disease performance measures in the outpatient setting in India: insights from the American College of Cardiology's PINNACLE India Quality Improvement Program (PIQIP). **J Am Heart Assoc**. 2015;4. pii: e001910.
18. **Kalra A**, Shroff GR, Erlie D, Gilbertson DT, Herzog CA. Perflutren-based echocardiographic contrast in patients with right-to-left intracardiac shunts. **JACC Cardiovasc Imaging**. 2014;7:206-207.
19. **Kalra A**, Maharaj V, Johannsen RA, Hollenberg SM. Catheterization laboratory activation during mechanical cardiopulmonary resuscitation - when should we say "No?" **Catheter Cardiovasc Interv**. 2014;83:58-64.
20. Rajaram SS, Desai NK, **Kalra A**, Gajera M, Cavanaugh SK, Brampton W, Young D, Harvey S, Rowan K. Pulmonary artery catheters for adult patients in intensive care. **Cochrane Database Syst Rev**. 2013;2:CD003408.

(In Press)

21. Khera S, Villablanca PA, Kolte D, Gupta T, Khan MH, Velagapudi P, **Kalra A**, Kleiman NS, Aronow HD, Abbott JD, Rosenfield KA, Drachman DE, Bangalore S, Bhatt DL, Naidu SS. Long-term outcomes of drug-eluting stents versus bare metal stents in end-stage renal disease: systematic review and meta-analysis. **Clin Cardiol**.
22. Siddiqi TJ, Usman MS, Khan MS, Sreenivasan J, Kassas I, Riaz H, Raza S, Deo SV, Sharif H, **Kalra A**, Yadav N. Primary percutaneous coronary intervention versus pharmacoinvasive therapy in transfer patients with ST-elevation myocardial infarction: a systematic review and meta-analysis. **Am J Cardiol**.
23. Li J, Patel SM, Nadeem F, Thakker P, Thomas R, Al-Kindi SG, Makani A, Hornick JM, Patel T, Lipinski J, Ichibori Y, Markowitz AH, Bezerra HG, Simon DI, Costa MA, **Kalra A**, Attizzani GF. Impact of residual coronary atherosclerosis on transfemoral transcatheter aortic valve replacement. **Catheter Cardiovasc Interv**.
24. Raza S, **Kalra A**, Zia A, Deo SV, Altarabsheh SE, Deo VS, Mustafa R, Younes A, Rao SV, Markowitz AH, Park SJ, Costa MA, Simon DI, Bhatt DL, Sabik JF. Stability after initial decline in coronary revascularization procedures in the United States from 2005 to 2014. **Ann Thorac Surg**.

25. Nadeem F, Tsushima T, Ladas TP, Thomas RB, Patel SM, Saric P, Patel T, Lipinski J, Li J, Costa MA, Simon DI, **Kalra A**, Attizzani GF, Arruda MS, Mackall J, Thal SG. Impact of right ventricular pacing in patients who underwent implantation of permanent pacemaker after transcatheter aortic valve replacement: a single high-volume center experience. **Am J Cardiol**.

(In Review)

26. Sharkey SW, **Kalra A**, Pink VR, Lesser JR, Garberich RF, Maron MS, Maron BJ. Takotsubo cardiomyopathy and coexisting acute coronary syndrome.

27. **Kalra A**, Al-Kindi SG, Khera S, Altafi H, Gupta T, Kolte D, Attizzani GF, Reardon MJ, Kleiman NS, Bhatt DL. Readmissions due to valve dysfunction following transcatheter aortic valve replacement: insights from the U.S. Nationwide Readmissions Database.

28. Ichibori Y, Li J, Davis A, Patel T, Lipinski J, Panhwar MS, Saric P, Qureshi G, Patel S, Markowitz AH, Bezerra HG, Costa MA, Zidar DA, **Kalra A**, Attizzani GF. Feasibility and safety of adopting next day discharge as first-line option after transcatheter aortic valve replacement.

29. Ichibori Y, Li J, Davis A, Patel T, Lipinski J, Panhwar MS, Saric P, Qureshi G, Patel S, Sareyyupoglu B, Markowitz AH, Bezerra HG, Costa MA, Zidar DA, **Kalra A**, Attizzani GF. Short- and long-term outcome of patients undergoing urgent transcatheter aortic valve replacement under minimalist strategy.

30. **Kalra A**,** Rehman H,** Cochran JM, Peterson L, Khera S, Puri R, Kolte D, Gupta T, Attizzani GF, Bhatt DL, Barker CM, Reardon MJ, Kleiman NS. Balloon predilation in transcatheter aortic valve replacement with self-expanding valves.

31. Rawasia WF, Khan MS, Usman MS, Siddiqi TJ, Mujeeb FA, **Kalra A**, Alkhouli M, Kavinsky CJ, Bhatt DL. Safety and efficacy of transcatheter aortic valve replacement for native aortic valve regurgitation: a systematic review and meta-analysis.

32. Khan MS, Usman MS, Akhtar T, Raza S, Deo SV, **Kalra A**, Nasim MH, Yadav N, Bhatt DL. Meta-analysis evaluating the effect of left coronary dominance on outcomes after percutaneous coronary intervention.

33. Khan MS, Siddiqi TJ, Usman MS, Riaz H, Khan AR, **Kalra A**, Bhatt DL. Culprit vessel only versus multi-vessel percutaneous coronary intervention in acute myocardial infarction patients with cardiogenic shock: a systematic review and meta-analysis.

34. Alnaimat S, Khan MS, Siddiqi TJ, Usman MS, Munir MB, Raza S, **Kalra A**. Worsening tricuspid regurgitation associated with permanent pacemaker and implantable cardioverter defibrillator implantation: a systematic review and meta-analysis.

35. Megaly M, Khalil C, Abraham B, Saad M, Tawadros M, Stanberry L, **Kalra A**, Goldsmith SR, Bart BM, Bae R, Brilakis ES, Gössl M, Sorajja P. Impact of transcatheter mitral valve repair on left ventricular remodeling in secondary mitral regurgitation.

36. Megaly M, Rofael M, Saad M, Rezaq A, Tawadros M, Kohl LP, **Kalra A**, Shishehbor MH, Soukas P, Abbott JD, Brilakis EM. Outcomes with drug-coated balloons in small-vessel coronary artery disease.
37. Megaly M, Abraham B, Saad M, Omer M, Elbadawi A, Tawadros M, Khalil C, Nairoz R, Almomani A, Sengupta J, **Kalra A**, Brilakis E, Gafoor S. Impact of atrial fibrillation on outcomes after MitraClip therapy: a meta-analysis.
38. Deo SV, Raza S, Altarabsheh SE, Deo VS, Marsia S, Mitchell S, Chang C, **Kalra A**, Khera S, Kolte DS, Costa MA, Simon DI, Markowitz AH, Park SJ, Sabik JF 3rd. Risk calculator to predict 30-day readmission after coronary artery bypass: a strategic decision support tool.
39. Khera S, Kolte D, Deo SV, **Kalra A**, Gupta T, Bansal EJ, Clevenger JR, Abbott JD, Kleiman NS, Bhatt DL, Fonarow GC, Khalique O, Kodali SK, Palacios IF, Inglessis I, Mack MJ, Thourani VH, Attizzani GF, Reardon MJ, Leon MB, Drachman DE, Elmariah S. Derivation and external validation of a simple risk tool to predict 30-day hospital readmissions after transcatheter aortic valve replacement.
40. Panhwar MS, Li J, Zidar DA, Clevenger J, Lipinski J, Patel TB, Saric P, Patel SM, **Kalra A**, Attizzani GF. Outcomes among patients with heart failure with reduced ejection fraction undergoing transcatheter aortic valve replacement.
41. Saric P, Lipinski J, Al-kindi SG, Patel SM, Kobe D, Peters M, Panhwar MS, Patel T, Clevenger J, Li J, **Kalra A**, Attizzani GF. The prognostic impact of the geriatric nutritional risk index in patients with severe aortic stenosis who undergo transcatheter aortic valve replacement.

Review Articles

42. Younes A, Attizzani GF, **Kalra A**. Transcatheter heart valve thrombosis: incidence, predictors, and clinical outcomes. **US Cardiology Review**. 2018;12:33–35.
43. **Kalra A**, Makkar RR, Bhatt DL, Khera S, Kleiman NS, Reardon MJ, Kern MJ. Transcatheter and Doppler waveform correlation in TAVR. **Open Heart**. 2018;5:e000728.
44. Ahmed ST, Rehman H, Akeroyd JA, Alam M, Shah T, **Kalra A**, Virani SS. Premature coronary heart disease in South Asians. **Curr Atheroscler Rep**. 2018;20:6.
45. **Kalra A**,** Uberoi AS,** Latib A, Khera S, Little SH, Bhatt DL, Reardon MJ, Kleiman NS, Barker CM. Emerging transcatheter options for tricuspid regurgitation. **Methodist DeBakey Cardiovasc J**. 2017;13:120-125.
46. **Kalra A**, Bhatt DL, Rajagopalan S, Suri K, Mishra S, Kamal AK, Virani SS. Overview of coronary heart disease risk initiatives in South Asia. **Curr Atheroscler Rep**. 2017;19:25.

47. **Kalra A**,** Rehman H,** Khera S, Thyagarajan B, Bhatt DL, Kleiman NS, Yeh RW. New-generation coronary stents: current data and future directions. **Curr Atheroscler Rep.** 2017;19:14.
48. **Kalra A**, Glusenkamp N, Anderson K, Kalra RN, Kerkar PG, Kumar G, Maddox TM, Oetgen WJ, Virani SS. American College of Cardiology (ACC)'s PINNACLE India Quality Improvement Program — inception, progress and future direction: a report from the PIQIP investigators. **Indian Heart J.** 2016;68 Suppl 3:S1-S4.
49. Thyagarajan B, **Kalra A**, Rajabali A, Whelan JB, Anter E. Subclinical atrial fibrillation in patients with hypertrophic cardiomyopathy. **US Cardiology Review.** 2016;10:75-77.
50. Lipman HI, **Kalra A**, Kirkpatrick JN. Foundations of medical decision-making for older adults with cardiovascular disease. **J Geriatr Cardiol.** 2015;12:335-339.
51. **Kalra A**, Forman DE, Goodlin SJ. Medical decision-making for older adults: an international perspective comparing the United States and India. **J Geriatr Cardiol.** 2015;12:329-334.
52. Maron BJ, **Kalra A**. Hypertrophic cardiomyopathy in the developing world: focus on India. **Eur Heart J.** 2014;35:2492-2495.
53. **Kalra A**, Maharaj V, Goldsmith SR. Vasopressin receptor antagonists: from pivotal trials to current practice. **Curr Heart Fail Rep.** 2014;11:10-18.
54. Palaniswamy C, Mishkin A, Aronow WS, **Kalra A**, Frishman WH. Remote patient monitoring in chronic heart failure. **Cardiol Rev.** 2013;21:141-150.
55. Palaniswamy C, Sekhri A, Aronow WS, **Kalra A**, Peterson SJ. Association of warfarin use with valvular and vascular calcification: a review. **Clin Cardiol.** 2011;34:74-81.
56. Sugunaraj JP, Mehta V, **Kalra A**, Sukhija R, Palaniswamy C. Protease-activated receptor-1 antagonists: focus on SCH 530348. **Am J Ther.** 2012;19:465-469.
57. **Kalra A**, Cooley C, Tsigrelis C. Treatment of endocarditis due to Proteus species: a literature review. **Int J Infect Dis.** 2011;15:e222-225.
58. Yazbeck MF, Dahdel M, **Kalra A**, Browne AS, Pratter MR. Lung abscess: update on microbiology and management. **Am J Ther.** 2014;21:217-221.
59. **Kalra A**, Abouzgheib W, Gajera M, Palaniswamy C, Puri N, Dellinger RP. Excessive dynamic airway collapse for the internist: new nomenclature or different entity? **Postgrad Med J.** 2011;87:482-486.

(In Review)

60. Rehman H, **Kalra A**, Kochar A, Uberoi AS, Bhatt DL, Rajagopalan S, Virani SS. Secondary prevention initiatives for cardiovascular diseases in India. **Indian Heart J.**
61. Lacey M, Raza S, Rehman H, **Kalra A**. Coronary embolism: a systematic review.
62. German K, Attizzani GF, Rosenfeld KE, Davis A, Popovich KL, Palovich GA, Atkinson RE, **Kalra A**. Decisional challenges in people presenting with structural heart disease in later life.
63. Ichibori Y, **Kalra A**, Attizzani GF. Minimalist approach in transfemoral transcatheter aortic valve replacement: comprehensive review and current evidence.

Editorials, Viewpoints, and White Papers

64. **Kalra A**, Shishehbor MH, Simon DI. Percutaneous coronary intervention readmissions: Where are the solutions? **JACC Cardiovasc Interv.** 2018;11:675-676.
65. **Kalra A**, Adusumalli S, Sinha SS. Learning to lead: cultivating skills for success in learning health systems. **J Am Coll Cardiol.** 2017;70:2450-2454.
66. **Kalra A**. Neal S. Kleiman: cardiologist, climber, scientist, survivor. **Eur Heart J.** 2017;38:2090-2091.
67. **Kalra A**. Perseverance versus pedigree. **Eur Heart J.** 2017;38:1789-1791.
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180. Yazbeck M, Jung Lee W, **Kalra A**, Tsigrelis C, Schorr C, El-Oshar S, Rajaram SS. 2009 H1N1 influenza infection and severe acute respiratory distress syndrome: case series with emphasis on bronchopleural fistulas and management approach. Poster Presentation, **Society of Critical Care Medicine Congress**, San Diego, CA, January **2011**.
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182. **Kalra A**, Gajera M, Rachoin JS, Schorr C, Gerber DR. Accuracy of the CURB-65 score in predicting outcomes in patients with abnormalities in serum sodium levels. *Chest.* 2010;138(4_MeetingAbstracts):666A. Poster Presentation, **Chest 2010 Sessions**, Vancouver, BC, Canada, November 3, **2010**.
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184. **Kalra A**, Gajera M, Puri N, Fuller B, Milcarek B, Hunter K, Zanotti S. Fluid balance at 72 hours in severe sepsis and septic shock patients treated with early goal-directed therapy is associated with increased length of mechanical ventilation. *Chest*. 2010;138(4_MeetingAbstracts):388A. Poster Presentation, **Chest 2010 Sessions**, Vancouver, BC, Canada, November 2, **2010**.
185. **Kalra A**, Palaniswamy C, Patel R, Kalra A. Acute hypotensive transfusion reaction with concomitant use of ACE inhibitors. *Chest*. 2010;138(4_MeetingAbstracts):69A. Oral Presentation, **Chest 2010 Sessions**, Vancouver, BC, Canada, November 2, **2010**.
186. **Kalra A**, Gajera M, Shah N, Fraimow H. Cardiac tamponade as manifestation of Rickettsial infection. *Chest*. 2010;138(4_MeetingAbstracts):37A. Oral Presentation, **Chest 2010 Sessions**, Vancouver, BC, Canada, November 1, **2010**.

Regional Meetings

187. 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**.
188. 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**.
189. 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**.
190. 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**.
191. 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**.

Faculty Lectures:

1. 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**.

2. Catheterization laboratory activation during mechanical cardiopulmonary resuscitation - when should we say “No?” MedStar Washington Hospital Center, Washington, DC, August 27, **2014**.
3. 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**.
4. Transcatheter aortic valve replacement for sutureless aortic valve failure. **Southwest Valve Summit Meeting**, San Antonio, TX, May 6, **2017**.
5. Recent advances in percutaneous mitral valve intervention. **11th Annual Cardiovascular Disease Update**, Cleveland, OH, October 4, **2017**.
6. Emerging transcatheter options for tricuspid regurgitation. **Ohio-American College of Cardiology (ACC) 27th Annual Meeting**, Columbus, OH, October 14, **2017**.
7. Leaflet thrombosis following transcatheter aortic valve replacement. University Hospitals Harrington Heart & Vascular Institute Grand Rounds, Cleveland, OH, December 7, **2017**.