**Abdul Hakeem MD FACC FSCAI FASE**

**Contact information**

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Monmouth Junction

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**Medical Education**

2003- M.B.B.S., Aga Khan University, Pakistan

**Academic Appointments**

**October 2017- current**

Associate Professor of Medicine, Clinical Scholar Track, Interventional Cardiology, Division of cardiovascular diseases and hypertension, Department of Medicine, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ

**April 2021-July 2022**

Program director interventional cardiology, Division of cardiovascular diseases and hypertension, Department of Medicine, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ

**August 2022- current-**

Professor and program director interventional cardiology, director cardiac catheterization laboratories, National Institute of Cardiovascular Diseases and satellites

**December 2017- Current**

Director, Interventional cardiology research, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ

**July 2016- September 2017**

Chief, Cardiology Section, Central AR VA Medical Center

**February 2015- June 2016**

Interim Chief, Cardiology Section, Central AR VA Medical Center

**July 2016- September 2017**

Associate Program director, Interventional Cardiology fellowship, UAMS

**October 2012 - September 2017**

Assistant Professor, Interventional Cardiology, UAMS; Central AR VA medical Center

**September 2011-September 2012**

Interventional cardiology Fellowship

William Beaumont Hospital, Royal Oak, MI

**September 2008- 2011**

Cardiovascular Medicine Fellowship

University Of Cincinnati, Cincinnati, Ohio

**September 2005- September 2008**

Resident Internal Medicine

University of Wisconsin Hospital and Clinics, Madison, WI

**October 2003-August 2005 Teaching Assistant**

Department of Biological and Biomedical Sciences

Faculty of Health Sciences, The Aga Khan University (AKU)

**Clinical Roles & Areas of Clinical Expertise**

Interventional Cardiologist

Structural Heart Disease Interventions

Endovascular Medicine & Interventions

Echocardiography

Nuclear Cardiology/Cardiac CT

**Board Certifications**

2004 USMLE Step 1, 99th%tile

2004 USMLE Step 2, 99th%tile

2005 USMLE Step 2 CS passed

2007 USMLE Step 3, 99th%tile

2005 ECFMG Certified

2009 Board Certified- ABIM internal medicine, 99th%tile

2010 National Board of Echocardiography Certified; recertification 2021

2012 Board Certified ABIM Cardiovascular Diseases, 99th%tile; recertification 2021

2012 Board Certified CBNC Nuclear Cardiology

2013 Board Certified ABIM Interventional Cardiology, 99th%tile; recertification 2022

2014 Board Certified ABVM, Diplomate Endovascular Medicine

**Administrative roles**

**July 2016- September 2017**

Chief, Cardiology section, Central AR VA Medical Center

**July 2016- September 2017**

Associate Program director, Interventional Cardiology fellowship, UAMS

**February 2015- June 2016**

Interim Chief, Cardiology Section, Central AR VA Medical Center

**November 2012- September 2017**

Director, Coronary Care Unit (CCU), Central AR VA Medical Center

**Certification/Licensure**

AR Medical Board - active

NJ Medical Board- active

Michigan Medical Board

Ohio State Medical Board

Texas Medical Board

Wisconsin Medical Board

**Professional Awards/Accomplishments**

* **Teacher of the year Award (2019),** Division of Cardiovascular Medicine, Rutgers RWJUH
* **CRT Young leadership Award (2019),** Washington DC
* **Career Award (2017),** Cardiovascular Innovations (CVI), Denver, CO
* **Faculty of the Year (2013-2014**), Division of Cardiovascular Medicine, UAMS, Little Rock, AR
* **Fellow of the Year (2008-2011),** Division of Cardiovascular Medicine, University of Cincinnati
* **Bristol Myer Squibbs Award** –American College of Cardiology (March 2011)
* **Young Investigator Award (2008),** American Society of Nuclear Cardiology: Boston, Massachusetts
* **Young Investigator Award (2002)** for participation in the International Conference Of Internal Medicine held in Kyoto Japan for work on depression in CAD patients

**Medical School Honors/Awards**

* -**Best Graduate Award** for Ranking 1st in MBBS, class of 2003
* -**Merit Award** for highest aggregate in MBBS III professional Exam
* -**Merit Award** for highest aggregate in Ob/Gyn ,Pediatrics and Pathology
* -**Honors award** in Physiology, Pharmacology, Ophthalmology and Psychiatry
* -**Honor Call** in ENT., Surgery, Medicine and Primary Health Care.
* -**Beg Shafiqa Zia-ul-Haq Scholarship** for best academic performance in class in years 4 and 5.
* -**Bayer Scholarship** for best academic performance in MBBS class, year I-IV.

**Publications**

1. **Hakeem A**, Tang D, Patel K, Sethi A, Awasthi A, Zakir R, Vagaonescu T. Safety and Efficacy of Single-Access Impella for High-Risk Percutaneous Intervention (SHiP). JACC Cardiovasc Interv. 2022 Feb 14;15(3):347-348.
2. Uretsky BF, Agarwal SK, Vallurupalli S, Al-Hawwas M, Miller K, Biscaglia S, **Hakeem A**. Trans-Stent FFR Gradient as a Modifiable Integrant in Predicting Long-Term Target Vessel Failure. JACC Cardiovasc Interv. 2022 ;15(21):2192-2202.
3. Russo M, Chen C, Sethi A, **Hakeem A**. TAVR in an XXXL annulus (1057 mm2 ) with type I bicuspid aortic valve. Catheter Cardiovasc Interv. 2022 ;100(3):461-463.
4. Hwang D, Koo BK, Zhang J, Park J, Yang S, Kim M, Yun JP, Lee JM, Nam CW, Shin ES, Doh JH, Chen SL, Kakuta T, Toth GG, Piroth Z, Johnson NP, Pijls NHJ, **Hakeem A**, Uretsky BF, Hokama Y, Tanaka N, Lim HS, Ito T, Matsuo A, Azzalini L, Leesar MA, Neleman T, van Mieghem NM, Diletti R, Daemen J, Collison D, Collet C, De Bruyne B. Prognostic Implications of Fractional Flow Reserve After Coronary Stenting: A Systematic Review and Meta-analysis. JAMA Netw Open. 2022 ;5(9):e2232842.
5. Kim JW, Dayah TJ, Javaid A, Monlezun DJ, Balanescu DV, Donisan T, Karimzad K, **Hakeem A**, Boone DL, Palaskas N, Lopez-Mattei J, Kim PY, Durand JB, Song J, Balanescu SM, Yang EH, Herrmann J, Marmagkiolis K, Toutouzas K, Johnson NP, Iliescu CA. Reclassification of Treatment Strategy with Fractional Flow Reserve in Cancer Patients with Coronary Artery Disease. Medicina (Kaunas). 2022 Jul 1;58(7):884.
6. **Hakeem A**, Chen C, Russo M. Transcatheter Mitral Valve Repair for Severe Mitral Regurgitation in Down's Syndrome. J Invasive Cardiol. 2021 ;33(12):E1008.
7. Okoh AK, Chen C, Kassotis J, Soliman F, Patel K, Sohitliv A, Loi A, Smith M, Pineda-Salazar J, Chaudhary A, Ghosh BD, **Hakeem A**, Lee LY, Coromilas J, Russo MJ. Utilizing ambulatory electrocardiogram monitoring to reduce conduction related death after transcatheter aortic valve replacement. Catheter Cardiovasc Interv. 2022 ;99(4):1243-1250
8. Vallurupalli S, Salehi N, Agarwal S, Hasan R, Hassan A, Siraj A, Madmani ME, Rafeedheen R, Ayan M, Al-Hawwas M, **Hakeem A**, Uretsky BF. Exhaustion of coronary vasodilatory reserve in the resting state: Clinical characteristics and long-term outcomes after intervention. Catheter Cardiovasc Interv. 2021;98(6):1021-1026.
9. Erinne I, Theertham AK, Maleki K, Chen C, Russo M, **Hakeem A**. Complete Atrioventricular Block: A Rare Complication of MitraClip Implantation. JACC Case Rep. 2021 ;3(5):772-777.
10. Chen C, Okoh AK, Suhotliv A, Erinne I, Chaudhary A, **Hakeem A**, Sethi A, Salahuddin A, Lee LY, Russo MJ. Single Session Transesophageal Echocardiography and Transcatheter Mitral Valve Repair Using MitraClip in the COVID-19 Era. JACC Cardiovasc Interv. 2021 Jul 26;14(14):1618-1620.
11. **Hakeem A**, Hou L, Shah K, Agarwal SK, Almomani A, Edupuganti M, Kasula S, Pothineni NV, Al-Hawwas M, Miller K, Zakir R, Ghosh B, Uretsky BF. Derivation and validation of Pd/Pa in the assessment of residual ischemia post-intervention: A prospective all-comer registry. Catheter Cardiovasc Interv. 2022 Feb;99(3):714-722.
12. Agarwal SK, **Hakeem A**, Hasan R, Ayan M, Siraj A, Madmani ME, Rafeedheen R, Salehi N, Kasula S, Hacioglu Y, Miller K, Vallurupalli S, Al-Hawwas M, Uretsky BF.Fractional Flow Reserve After Functionally Optimized Coronary Intervention Predicts Very Long-Term Outcomes. JACC Cardiovasc Interv. 2021 Feb 8;14(3):355-356
13. Biscaglia S, Uretsky B, Barbato E, Collet C, Onuma Y, Jeremias A, Tebaldi M, **Hakeem A**, Kogame N, Sonck J, Escaned J, Serruys PW, Stone GW, Campo G. Invasive Coronary Physiology After Stent Implantation: Another Step Toward Precision Medicine. JACC Cardiovasc Interv. 2021 Feb 8;14(3):237-246.
14. Yang Eric H., Marmagkiolis Konstantinos, Balanescu Dinu V., **Hakeem Abdul**, Donisan Teodora, Finch William, Virmani Renu, Herrman Joerg, Cilingiroglu Mehmet, Grines Cindy L., Toutouzas Konstantinos, Iliescu Cezar. Radiation-Induced Vascular Disease—A State-of-the-Art Review. Radiation-Induced Vascular Disease—A State-of-the-Art Review . Front. Cardiovasc. Med., 30 March 2021
15. Nairooz R, Parzynski CS, Curtis JP, Mohsen A, McNulty E, Uretsky BF, **Hakeem A**. Contemporary Trends, Predictors and Outcomes of Perforation During Percutaneous Coronary Intervention (From the NCDR Cath PCI Registry). Am J Cardiol. 2020 Jun 17:S0002-9149(20)30589-0.
16. Hiltner E, Al Akshar A, Thanawala P, **Hakeem A**, Coromilas J, Kassotis J.Is isolated ST segment elevation in Lead aVR associated with high grade coronary artery disease?J Electrocardiol. 2020 Sep-Oct;62:170-177
17. Russo M, Garg A, Chaudhary A, **Hakeem A**, Lee L, Chen C. MitraClip Implantation in a Patient With Post-Surgical Repair of Primum Atrial Septal Defect and Residual Mitral Cleft. J Am Coll Cardiol Case Rep. 2020 Oct, 2 (12) 2027–2029
18. Uretsky BF, Agarwal SK, Vallurupalli S, Al-Hawwas M, Hasan R, Miller K, **Hakeem A**. Prospective Evaluation of the Strategy of Functionally Optimized Coronary Intervention. J Am Heart Assoc. 2020 Feb 4;9(3):e015073
19. Russo M, Okoh A, Johannesen J, Chaudhary A, Chiricolo A, **Hakeem A**, Lemaire A, Lee L, Chen C (2020) Safety and Feasibility of Same Day Discharge after Transcatheter Aortic Valve Replacement Post COVID-19, Structural Heart, DOI: 10.1080/24748706.2020.1853861
20. Shah K, Tang D, Ibrahim F, Ghosh B, Bhatti S, Akhabue E, Vagaonescu T, Zakir R, **Hakeem A**.Surge in Delayed Myocardial Infarction Presentations: An Inadvertent Consequence of Social Distancing During the COVID-19 Pandemic.JACC Case Rep. 2020 Aug;2(10):1642-1647.
21. **Hakeem A**, Uretsky BF. Mechanical Circulatory Support with the Impella Family: Festina Lente.Cardiovasc Revasc Med. 2020 May;21(5):638-639.
22. Marmagkiolis K, **Hakeem A**, Ebersole DG, Iliescu C, Ates I, Cilingiroglu M. Clinical outcomes of percutaneous mitral valve repair with MitraClip for the management of functional mitral regurgitation. Catheter Cardiovasc Interv. 2019. doi: 10.1002/ccd.28203
23. **Hakeem A**, Ghosh B, Shah K, Agarwal S, Kasula S, Hacioglu Y, Bhatti S, Ahmed Z, Uretsky B. Incremental Prognostic Value of Post-Intervention Pd/Pa in Patients Undergoing Ischemia-Driven Percutaneous Coronary Intervention.JACC Cardiovasc Interv. 2019 Oct 28;12(20):2002-2014.
24. Alam A, Mody K, Iyer D, Ikegami H, **Hakeem A.** "The Trapped Ventricle": Importance of Left Ventricular Unloading in Resuscitated Patients on VA-ECMO. JACC Cardiovasc Interv. 2019;12(4):e33-e34.
25. **Hakeem A**, Uretsky BF. Role of Postintervention Fractional Flow Reserve to Improve Procedural and Clinical Outcomes. Circulation. 2019;139(5):694-706.
26. **Hakeem A**, Uretsky BF. Toward a "More Perfect" Interventional Algorithm: Post-Intervention Functional Assessment Using Quantitative Flow Ratio. JACC Cardiovasc Interv. 2019 Oct 28;12(20):2076-2078
27. Egupuganti M, **Hakeem A**, Bhatti S, Vyjayanthi G. Acute myocardial infarction in pregnancy: Complex challenges in clinical - decision making for the mother and fetus. IHJ Cardiovasc CR Volume 3, Issue 3, September–December 2019, Pages 98-101
28. Hou L, Ghosh B, **Hakeem A**. A physiological approach to refine appropriateness of revascularization, clinical decision making and prognosis in patients with multi vessel coronary artery disease.J Thorac Dis. 2018 Oct;10(10):5661-5665
29. Almomani A, Pothineni NV, Edupuganti M, Payne J, Agarwal S, Uretsky B, **Hakeem A.** Outcomes of Fractional Flow Reserve-Based Deferral in Saphenous Vein Graft Narrowing. Am J Cardiol. 2018 Sep 1;122(5):723-728.
30. Kilic İD, **Hakeem A**, Marmagkiolis K, Paixao A, Grunwald I, Mutlu D, Abou-Sherif S, Gundogdu B, Kulaksizoglu S, Ates I, Wholey M, Goktekin O, Cilingiroglu M. Endovascular Therapy for Acute Ischemic Stroke: A Comprehensive Review of Current Status. Cardiovasc Revasc Med. 2018 Jul 11. pii: S1553-8389(18)30309-9.
31. Habash F, Gurram P, Almomani A, Duarte A, **Hakeem A**, Vallurupalli S, Bhatti S. Correlation between Echocardiographic Pulmonary Artery Pressure Estimates and Right Heart Catheterization Measurement in Liver Transplant Candidates. J Cardiovasc Imaging. 2018 Jun;26(2):75-84.
32. Rodriguez-Araujo G, Cilingiroglu M, Mego D, **Hakeem A**, Lendel V, Cawich I, Paixao A, Marmagkiolis K, Flaherty P, Rollefson W. Same versus next day discharge after elective transradial PCI: The RAdial SAme Day DischArge after PCI trial. (The RASADDA-PCI trial). Cardiovasc Revasc Med. 2018 Sep;19(6S):7-11. doi:
33. **Hakeem A**, Cilingiroglu M, Katramados A, Dean Boudoulas K, Iliescu C, Gundogdu B, Marmagkiolis K. Transcatheter closure of patent foramen ovale for secondary prevention of ischemic stroke: Quantitative synthesis of pooled randomized trial data. Catheter Cardiovasc Interv. 2018 Jan 14. doi: 10.1002/ccd.27487.
34. Pothineni NV, Shah NN, Rochlani Y, Saad M, Kovelamudi S, Marmagkiolis K, Bhatti S, Cilingiroglu M, Aronow WS, **Hakeem A**. Temporal trends and outcomes of acute myocardial infarction in patients with cancer. Ann Transl Med. 2017 Dec;5(24):482.
35. Uretsky BF, Agrawal M, Ahmed Z, **Hakeem A**. Association of acute stent strut malapposition on long-term outcomes.Catheter Cardiovasc Interv. 2017 Dec 27. doi: 10.1002/ccd.27459
36. **Hakeem A**, Cilingiroglu M. Outcomes of TAVR in Bicuspid Aortic Valve Stenosis. J Am Coll Cardiol. 2017 ;70(13):1684-1685.
37. **Hakeem A**, Uretsky B. Clinical and prognostic value of Post-stenting FFR. JACC Cardiovasc Interv. 2017: 10(15)
38. Marmagkiolis K, **Hakeem A**, Cilingiroglu M, Feldman DN, Charitakis K. [Efficacy and safety of routine aspiration thrombectomy during primary PCI for ST-segment elevation myocardial infarction. A Metanalysis of Large Randomized Controlled Trials.](https://www.ncbi.nlm.nih.gov/pubmed/29241844) Hellenic J Cardiol. 2017 Dec 11. pii: S1109-9666(17)30104-5.
39. Cilingiroglu M, **Hakeem A**. Does the severity of left ventricular systolic dysfunction impact outcomes of Mitraclip therapy: How low is too low? Catheter Cardiovasc Interv. 2017 Nov 15;90(6):1046-1047.
40. Weisbord SD, Gallagher M, Jneid H, Garcia S, Cass A, Thwin SS, Conner TA, Chertow GM, Bhatt DL, Shunk K, Parikh CR, McFalls EO, Brophy M, Ferguson R, Wu H, Androsenko M, Myles J, Kaufman J, Palevsky PM; ..**Hakeem A**…PRESERVE Trial Group. Outcomes after Angiography with Sodium Bicarbonate and Acetylcysteine. N Engl J Med. 2018 Feb 15;378(7):603-614
41. Uretsky BF, Agarwal SK, **Hakeem A**. "Prognostic Value of Fractional Flow Reserve Measured Immediately After Drug-Eluting Stent Implantation".Circ Cardiovasc Interv. 2017 Oct;10(10).
42. **Hakeem A**, Almomani A, Uretsky BF. Role of fractional flow reserve in the evaluation and management of patients with acute coronary syndrome. Curr Opin Cardiol. 2017 Nov;32(6):767-775.
43. Vallurupalli S, Garg A, Carlino M, **Hakeem A**, Uretsky BF. Full stent expansion of chronic total occlusion lesions requires prolonged inflation.Cardiovasc Revasc Med. 2017 Sep 11. pii: S1553-8389(17)30348-2.
44. Agrawal M, **Hakeem A**, Ahmed Z, Uretsky BF. Classification of mechanisms of strut malapposition after angiographically optimized stent implantation: An optical coherence tomography study. Catheter Cardiovasc Interv. 2017;90(2):225-232.
45. Pothineni NV, Edupuganti MM, Almomani A, Payne J, Raina S, Fnu S, Abualsuod A, Wong J, Uretsky BF, **Hakeem A**. Comparison of the Prognostic Value of Non-ischemic Fractional flow reserve using Intracoronary versus Intravenous Adenosine. EuroIntervention. 2017 Jun 13. pii: EIJ-D-16-00375. doi: 10.4244/EIJ-D-16-00375
46. Almomani A, **Hakeem A**, Uretsky BF. Use of Fractional Flow Reserve in ACS. Cardiosource.[*http://www.acc.org*](http://www.acc.org). Sept. 27, 2017.
47. Cilingiroglu M, **Hakeem A**, Wholey M, Goktekin O. Direct Carotid Access for Endovascular Management of Acute Ischemic Stroke. EuroIntervention. 2017 Jul 11. pii: EIJ-D-17-00083
48. Agarwal SK, Kasula S, Edupuganti MM, Raina S, Shailesh F, Almomani A, Payne JJ, Pothineni NV, Uretsky BF, **Hakeem A**. Clinical Decision-Making for the Hemodynamic "Gray Zone" (FFR 0.75-0.80) and Long-Term Outcomes. J Invasive Cardiol. 2017 Apr 15. pii: JIC2017415-
49. **Hakeem A**, Edupuganti MM, Almomani A, Pothineni NV, Payne J, Abualsuod AM, Bhatti S, Ahmed Z, Uretsky BF. Long-Term Prognosis of Deferred Acute Coronary Syndrome Lesions Based on Nonischemic Fractional Flow Reserve. J Am Coll Cardiol. 2016;68(11):1181-91.
50. Kasula S, Agarwal SK, Hacioglu Y, Pothineni NK, Bhatti S, Ahmed Z, Uretsky B, **Hakeem A**. Clinical and prognostic value of poststenting fractional flow reserve in acute coronary syndromes. Heart. 2016 Aug 4. pii: heartjnl-2016-309422.
51. Agarwal SK, Kasula S, Hacioglu Y, Ahmed Z, Uretsky BF, **Hakeem A**. Utilizing Post-Intervention Fractional Flow Reserve to Optimize Acute Results and the Relationship to Long-Term Outcomes. JACC Cardiovasc Interv. 2016;9(10):1022-31
52. Agarwal SK, Kasula S, Almomani A, Hacioglu Y, Ahmed Z, Uretsky BF, **Hakeem A**. Clinical and angiographic predictors of persistently ischemic fractional flow reserve after percutaneous revascularization. Am Heart J. 2016 Oct 29;184:10-16. doi: 0.1016/j.ahj.2016.10.016
53. Maskoun W, Pino M, Ayoub K, Llanos OL, Almomani A, Nairooz R, **Hakeem A**, Miller J. Incidence of Atrial Fibrillation After Atrial Flutter Ablation. JACC: Clinical Electrophysiology Nov 2016, 2 (6) 682-690
54. Vallurupalli S, Kasula S, Kumar Agarwal S, Pothineni NV, Abualsuod A**, Hakeem A**, Ahmed Z, Uretsky BF. A novel stent inflation protocol improves long-term outcomes compared with rapid inflation/deflation deployment method.Catheter Cardiovasc Interv. 2017 Jan 23. doi: 10.1002/ccd.26930.
55. Raina S, Lensing SY, Nairooz RS, Pothineni NV, **Hakeem A**, Bhatti S, Pandey T. Prognostic Value of Late Gadolinium Enhancement CMR in Systemic Amyloidosis. JACC Cardiovasc Imaging. 2016 Aug 20. doi: 10.1016/j.jcmg.2016.01.036
56. Bhatti S, Vallurupalli S, Ambach S, Magier A, Watts E, Truong V, **Hakeem A**, Mazur W.Myocardial strain pattern in patients with cardiac amyloidosis secondary to multiple myeloma: a cardiac MRI feature tracking study. Int J Cardiovasc Imaging. 2016 Oct 14.
57. Bhatti S, Watts E, Syed F, Vallurupalli S, Pandey T, Jambekar K, Mazur W, **Hakeem A**. Clinical and prognostic utility of cardiovascular magnetic resonance imaging in myeloma patients with suspected cardiac amyloidosis. Eur Heart J Cardiovasc Imaging. 2016 May 25. [Epub ahead of print]
58. Pothineni NV, Shah NS, Rochlani Y, Nairooz R, Raina S, Leesar MA, Uretsky BF, **Hakeem A**. U.S. Trends in Inpatient Utilization of Fractional Flow Reserve and Percutaneous Coronary Intervention. J Am Coll Cardiol. 2016;67(6):732-3.
59. Agrawal M, **Hakeem A**, Ahmed Z, Uretsky BF. Utility of Frequency Domain Optical Coherence Tomographic Evaluation of Angiographically Optimized Stented Lesions. J Invasive Cardiol. 2016;28(3):94-7.
60. Herrmann J, Yang EH, Iliescu CA, Cilingiroglu M, Charitakis K, **Hakeem A**, Toutouzas K, Leesar MA, Grines CL, Marmagkiolis K. Vascular Toxicities of Cancer Therapies: The Old and the New - An Evolving Avenue. Circulation. 2016;133(13):1272-89
61. Iliescu CA, Grines CL, Herrmann J, Yang EH, Cilingiroglu M, Charitakis K, **Hakeem A**, Toutouzas KP, Leesar MA, Marmagkiolis K.SCAI Expert consensus statement: Evaluation, management, and special considerations of cardio-oncology patients in the cardiac catheterization laboratory (endorsed by the cardiological society of india, and sociedad Latino Americana de Cardiologıa intervencionista).Catheter Cardiovasc Interv. 2016 Jan 12. doi: 10.1002/ccd
62. Iliescu C, Grines CL, Herrmann J, Yang EH, Cilingiroglu M, Charitakis K, **Hakeem A**, Toutouzas K, Leesar MA, Marmagkiolis K. SCAI expert consensus statement: Evaluation, management, and special considerations of cardio-oncology patients in the cardiac catheterization laboratory (Endorsed by the Cardiological Society of India, and Sociedad Latino Americana de Cardiologıa Intervencionista).Catheter Cardiovasc Interv. 2015 Dec 23. doi: 10.1002/ccd.26375
63. Marmagkiolis K, **Hakeem A**, Cilingiroglu M, Gundogdu B, Iliescu C, Tsitlakidou D, Katramados A.Safety and Efficacy of Stent Retrievers for the Management of Acute Ischemic Stroke: Comprehensive Review and Meta-Analysis. JACC Cardiovasc Interv. 2015 Nov;8(13):1758-65
64. **Hakeem A**, Garg A, Bhatti S, Ahmed Z, Uretsky BF. Fractional flow reserve in acute coronary syndrome: a word of caution. EuroIntervention. 2015 Dec;11(8):e1-2
65. Pothineni NV, Bahia A, Ahmed Z, Uretsky B, **Hakeem A**. “DVT” of the Heart: A “Novel” Treatment for an Old Problem. JACC Cardiovasc Interv.. 2015;8(10):e165-e166.
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67. Pothineni NV, Rochlani Y, Vallurupalli S, Kovelamudi S, Ahmed Z, **Hakeem A**, Mehta JL. Comparison of Angiographic Burden of Coronary Artery Disease in Patients With Versus Without Hepatitis C Infection. Am J Cardiol. 2015 Jul 16
68. Vallurupalli S, Bahia A, Ruiz-Rodriguez E, Ahmed Z, **Hakeem A**, Uretsky BF Optimization of stent implantation using a high pressure inflation protocol. Catheter Cardiovasc Interv. 2015 Jul 8. doi: 10.1002/ccd.26095
69. Rochlani Y, Vallurupalli S, **Hakeem A**, Bhatti S. Refractory Hypoxemia after laparoscopic Nissen fundoplication. Can J Cardiol. 2015
70. **Hakeem A**, Uretsky BF. "Just Do It!" redux. Catheter Cardiovasc Interv. 2015 May;85(6):977-8
71. Leesar MA, **Hakeem A**, Azarnoush K, Thuesen L. Coronary bifurcation lesions: Present status and future perspectives. Int J Cardiol. 2015;187:48-57.
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73. **Hakeem A**, Bhatti S, Chang SM. Screening and risk stratification of coronary artery disease in end-stage renal disease. JACC Cardiovasc Imaging. 2014 Jul;7(7):715-28
74. **Hakeem A**, Uretsky B.Regadenoson for FFR: Time to say good-bye to adenosine? Catheter Cardiovasc Interv. 2014 Feb 15;83(3):375-6. doi: 10.1002/ccd.25341.
75. Mallikarjuna Rao Edupuganti M, Marmagkiolis K, Cilingiroglu M, Uretsky BF, **Hakeem A**. Optimizing selection of antithrombotic therapy in patients requiring PCI and long term anticoagulation. Cardiovasc Revasc Med. 2014;15(8):414-20
76. Pai VB, Vallurupalli S, Kasula SR, **Hakeem A**, Bhatti S.A change of heart: reopening of a foramen ovale. Can J Cardiol. 2014;30(10):1250.e17-8
77. Bhatti S, **Hakeem A**, Dhanalakota S, Palani G, Husain Z, Jacobsen G, Ananthasubramaniam K. Prognostic value of regadenoson myocardial single-photon emission computed tomography in patients with different degrees of renal dysfunction. Eur Heart J Cardiovasc Imaging. 2014;15(8):933-40
78. Assad-Kottner C, **Hakeem A**, Uretsky BF. Modified dual guide catheter ("ping-pong") technique to treat left internal mammary artery graft perforation. Catheter Cardiovasc Interv. 2014 Jul 10. doi: 10.1002/ccd.25598.
79. Marmagkiolis K, **Hakeem A**, Choksi N, Al-Hawwas M, Edupuganti MM, Leesar MA, Cilingiroglu M.12-month primary patency rates of contemporary endovascular device therapy for femoro-popliteal occlusive disease in 6,024 patients: beyond balloon angioplasty. Catheter Cardiovasc Interv. 2014 ;84(4):555-64
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81. Assad-Kottner C, **Hakeem A**, Fontenot E, Uretsky BF."Tele-Mentoring" an Interventional Procedure Using a Wearable Computer: First-in-Man.J Am Coll Cardiol. 2013 Dec 20. pii: S0735-1097(13)06545-5.
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J Am Coll Cardiol.72 (13 Supplement) B218-B219; DOI: 10.1016/j.jacc.2018.08.1728

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2. **SCAI 2018** Shahid M, Hou L, Marmagkiolis M, Uretsky B, Bhatti S, Cilingiroglu M, **Hakeem A.** Procedural and clinical efficacy of mitral clip therapy across the spectrum of left ventricular dysfunction. Cath Card Intv suppl.
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53. **SCCT 2007**- S. Bhatti, **Hakeem A**, M.S. Vanlysel, S. Reeder, M. Zasadil, J.G. Keevil Initial High Radiation Dose in Startup CCTA Program Reduced to that of Invasive Angiography by a Modified Scanning Protocol. Journal of Cardiovascular Computed Tomography . Volume 1, Issue 1, Supplement (July 2007)
54. **SCCT 2007**- M.L. Zasadil, A. **Hakeem A**. Bhatti, J.H. Stein, J.G. Keevil The Accuracy of 64 MSCT in Detecting Coronary Artery Disease in the Low Risk Female Population. Is it Better than the Traditional Approach? Journal of Cardiovascular Computed Tomography. Volume 1, Issue 1, Supplement (July 2007)
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56. **AHA 2006** -Jeffrey R Cook, **Abdul Hakeem**, Sabha Bhatti, Eric M Williams, and Su Min Chang Anemia and Chronic Kidney Disease (CKD) are powerful predictors for Presence and Severity of Coronary Artery Disease (CAD) Circulation. 2006; 114: II\_400. (AHA 2006)
57. American College of Physicians (ACP) 51st Annual Wisconsin Scientific Meeting, Waukesha, WI-08/2006. Bhatti S, **Hakeem A**, Williams EM, Malik M , Kolsocharoen P, Chang SM. Persistent Left Superior Vena Cava (PLSVC) with anomalous left hepatic vein drainage into the right atrium-Role of imaging and clinical relevance.
58. American College of Physicians (ACP) 51st Annual Wisconsin Scientific Meeting, Waukesha, WI-08/2006. **Hakeem A**, Bhatti S, Williams EM, Biring T, Kolsocharoen P, Chang SM. Coronary Steal Due to Bilateral Internal Mammary Artery (IMA)-Pulmonary Artery (PA) Fistulas:  A Rare Cause of Chest Pain After Coronary Artery Bypass Grafting (CABG).
59. Abstract presentation at 10th Annual International Ain Shams Medical Students' CongressCairo, Egypt. Publication Date: 02 / 2002Nazim MH, **Hakeem A**, Kumar H, Ahmad HR The role of adenosine analogue CHA in suppressing epileptiform activity in amygdaloid kindled rats ----- an overview of the kindling model of epilepsy and adenosine physiology
60. **Hakeem A**, Nazim H, Kumar H, Ahmad HR Electrophysiological study on the discharge kinetics of locus Coeruleus (LC) in light of its synaptic connections with nucleus paragigantocellularis (PGi)

**Scientific Presentations**

1. Late Breaking Clinical Trial SCAI 2019, Las Vegas, NV “Derivation and Validation of Pd/Pa for the Assessment of Residual Ischemia Post Intervention - A Prospective All Comer Registry”.
2. Invited Faculty, Cardiovascular Innovations (CVI) 2019, Denver, CO, “Great Interventional debates- Adenosine FFR remains the gold standard”
3. Invited Faculty, SCAI 2019, Las Vegas, NV, “iFR-Guided PCI in Cancer Patients”.
4. Invited Faculty, SCAI 2019, Las Vegas, NV “New Applications of Physiology: Pullback, Post-PCI Measurements, and Nonhyperemic Pressure Ratios (iFR)”
5. Invited Faculty, SCAI 2018, SD, CA. “Role of FFR in evaluation & management of patients with cancer”
6. Invited Faculty, American College of Cardiology Scientific session, March 2018, Orlando. “Clinical role of post PCI physiology and imaging”American College of cardiology, annual scientific sessions, March 2017, Washington DC
7. Medstar Washington Hospital Center Cardiac Cath Conference; October 2016; Role of FFR in Acute coronary syndrome
8. **Jason J. Meunier Memorial Lecture**, University of Cincinnati, OH, November 2016; Role of coronary physiology in the contemporary evaluation and management of ischemic heart disease.
9. American College of cardiology, 65th annual scientific sessions, March 2016, Chicago, IL
10. American College of cardiology, 64th annual scientific sessions, March 2015, SanDiego, CA
11. American College of cardiology, 63rd annual scientific sessions, March 2014, Washington DC
12. Pakistan Cardiac Society, Biennial Conference, Karachi, Pakistan. December 2014; 1)PCI of Left main disease in acute coronary syndromes 2) Challenging coronary and hemodynamic support cases
13. 6) American College of cardiology, 62nd annual scientific sessions, March 2013, San Francisco, CA
14. American College of cardiology, 61st annual scientific sessions, March 2012, Chicago, IL
15. American College of cardiology, 60th annual scientific sessions, March 2011, New Orleans
16. American College of cardiology, 59th annual scientific sessions, March 2010, Atlanta, GA
17. Transcatheter Therapeutics (TCT), 2009, San Francisco, CA
18. American College of cardiology, 58th annual scientific sessions, March 2009, Orlando, FL
19. American Society of Nuclear Cardiology, Dec 2008, **Young Investigator award**, Boston Mass
20. American College of cardiology, 57th annual scientific sessions, March 2008, Chicago, IL
21. Heart Failure Society of America (HFSA) annual scientific sessions, 2007, San Diego, CA
22. Society of Cardiac Computed Tomography (SCCT), 1st annual scientific session, 2007, Washington DC
23. American College of cardiology, 56th annual scientific sessions, March 2006, New Orleans

**Invited Faculty**

* Program Director:NICVD Advanced Interventional Cardiology Course (NAIC)- 2023
* Pakistan Heart Valve Summit 2022
* PULSE 2022
* PULSE 2021
* CVI 2020
* SCAI 2020
* TCT 2020
* ACC 2020
* CVI 2019
* CRT 2019
* SCAI 2019
* ACC 2018
* SCAI 2018
* CICT 2018

**Membership**

Member Fellow in Training (FIT) Council- ACC Ohio Chapter 2009-2010

American Society of Nuclear Cardiology- 2010-2011

Society of Coronary Angiography and Intervention (SCAI) – Fellow, current

American College of Cardiology- Fellow, current

American Society of Echocardiography- Fellow, current

**Editorial Board Member**

World Journal of Cardiology

Journal of Geriatric Cardiology

Journal of Vascular Medicine

Cardiovascular Revascularization Medicine

Pakistan Journal of Cardiology- ***Associate Editor***

Cardiovascular Drugs and Therapy- **Associate Editor**

**Reviewer**

Circulation

Circulation Cardiovascular Interventions

Journal Of the American College of Cardiology

Journal Of the American College of Cardiology-Cardiovascular Interventions

Annals of Internal Medicine

American Journal of Cardiology

Journal of interventional cardiology

Eurointervention

Atherosclerosis

Catheterization and Cardiovascular Interventions

Journal of Nuclear Cardiology

Clinical Cardiology

American Heart Journal

International Journal Of Cardiovascular imaging

**Clinical trials (Co PI or Co investigator)**

PROTECT IV trial

DTU STEMI

ENCIRCLE (M3 TMVR)

ALIGN-AR (Jena valve)

CLASP IID/IIF & CLASP TR (Pascal)

TRISCEND II (Evoque tricuspid)

SUMMIT Tendyne Trial (Tendyne TMVR)

ACURATE IDE (Accurate neo)

REPAIR MR (MC vs surgery in primary MR)

PROGRESS (Moderate AS TAVR)

DIVA trial (DES vs BMS in SVG)

RASSADA PCI