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CAREER SUMMARY:

I am Board-certified interventional and general cardiologist with additional specialization in vascular disease and pulmonary embolism. I have vast tertiary care experience in the medical management of cardiovascular conditions as well as interventional techniques such as coronary and peripheral vascular interventions, pulmonary vascular intervention, mechanical circulatory support, and structural heart interventions.

CURRENT FACULTY APPOINTMENTS:

2018- Present Assistant Professor of Clinical Medicine,
University of Michigan Medical School
Ann Arbor, MI.

CURRENT HOSPITAL APPOINTMENTS:

2018- Present Director of Interventional Vascular Medicine,
University of Michigan Hospital
Michigan Medicine,
Ann Arbor, MI.

BOARD CERTIFICATIONS:

2016- Present Vascular Medicine (American Board of Vascular Medicine)
2016- Present Endovascular Intervention (American Board of Vascular Medicine)
2015- Present Interventional Cardiology (American Board of Internal Medicine)
2014- Present Cardiovascular Disease (American Board of Internal Medicine)
2010- Present Internal Medicine (American Board of Internal Medicine)

SKILLS CERTIFICATIONS:

- 2015- Present Registered in Peripheral Vascular Ultrasound Interpretation (ARDMS)
- 2014- Present Adult Comprehensive Echocardiography (American Society of Echocardiography)

STATE MEDICAL LICENSURES:

- 2018- Active Michigan
- 2014- 2018 Pennsylvania
- 2015- 2018 Kentucky
- 2015- 2017 Illinois
- 2011- 2017 Colorado
- 2010- 2013 New York

EDUCATION:

- 2011 Masters in Public Health and Health Care Administration,
Johns Hopkins University,
Baltimore, MD.
- 2006 Bachelor of Medicine and Surgery (Medical School)
Maulana Azad Medical College,
University of Delhi, New Delhi, India.

POSTGRADUATE TRAINING:

- 2016 Endovascular Interventional Fellowship
Prairie Heart Institute,
Springfield, IL.
- 2015 Interventional Cardiology Fellowship,
Temple University,
Philadelphia, PA.

- 2014 Cardiovascular Disease Fellowship,
University of Colorado School of Medicine,
Aurora, CO.
- 2010 Internal Medicine Residency,
Albert Einstein College of Medicine (Jacobi),
Bronx, NY.

PREVIOUS FACULTY APPOINTMENTS:

- 2016- 2018 Assistant Professor of Clinical Medicine,
Lewis Katz School of Medicine at Temple University
Philadelphia, PA.
- 2010- 2011 Chief Resident and Instructor in Medicine,
Albert Einstein College of Medicine (Jacobi),
Bronx, NY.

PREVIOUS HOSPITAL APPOINTMENTS:

- 2016- 2018 Staff Interventional Cardiologist, Temple Health, Philadelphia, PA.
- 2015- 2016 Staff Interventional Cardiologist, St. John's Hospital, Springfield, IL.
- 2015- 2016 Staff Interventional Cardiologist, Memorial Hospital, Springfield, IL.
- 2014- 2015 Staff Cardiologist, Penn Presbyterian Medical Center, Philadelphia, PA.
- 2011- 2014 Staff Hospitalist, Swedish Medical Center, Englewood, CO
- 2011- 2014 Staff Hospitalist, Porter Adventist Hospital, Denver, CO.
- 2013- 2014 Staff Hospitalist, Medical Center of Aurora, Aurora, CO.
- 2013- 2014 Staff Hospitalist, Sky Ridge Medical Center, Lone tree, CO.
- 2010- 2011 Staff Hospitalist, North Bronx Health Care Network, Bronx, NY.

SPECIALTY BOARD CERTIFICATION:

- 2016- Present Vascular Medicine (American Board of Vascular Medicine)
- 2016- Present Endovascular Intervention (American Board of Vascular Medicine)

- 2015- Present Interventional Cardiology (American Board of Internal Medicine)
- 2014- Present Cardiovascular Disease (American Board of Internal Medicine)
- 2010- Present Internal Medicine (American Board of Internal Medicine)

SKILLS CERTIFICATION:

- 2015- Present Registered in Peripheral Vascular Ultrasound Interpretation (ARDMS)
- 2014- Present Adult Comprehensive Echocardiography (American Society of Echocardiography)

AWARDS, AND HONORS:

- 2013 S. Gilbert Blount Research Fellow of the Year
Division of Cardiology, Department of Internal Medicine
University of Colorado School of Medicine, Aurora, CO.
- 2013 Top Reviewer, Annals of Internal Medicine.
- 2012 Top Reviewer, Annals of Internal Medicine
- 2011 Top Reviewer, Annals of Internal Medicine
- 2010 Outstanding Teacher Award,
Albert Einstein College of Medicine (Jacobi),
Bronx, NY.
- 2009 First prize, Annual Milford Fulop Research Competition,
Albert Einstein College of Medicine (Jacobi), Bronx, NY.
- 2008 Intern of the Year,
Albert Einstein College of Medicine (Jacobi), Bronx, NY.

GRANT FUNDING:

- 2012 American Heart Association- Two-year post-doctoral research grant with full salary support.

EDUCATOR'S PORTFOLIO:*List of Mentees (Clinical and Research):*

1. Saurav Chatterjee, MD: I was a co-clinical and research mentor during his Interventional Cardiology Fellowship training at Temple University Hospital from July, 2016- June, 2017. Dr. Chatterjee developed and reported a novel technique of establishing short term femoro- femoral bypass percutaneously under my mentorship. He published numerous manuscripts in peer reviewed journals.
2. Vladimir Lakhter, DO: I am a co-clinical and research mentor for Dr. Lakhter since July 2016, during his Cardiology and Interventional Cardiology Fellowship training programs at Temple University Hospital. Dr. Lakhter co-authored a book chapter on "Current Status and Outcomes of Iliac Artery Endovascular Intervention" with me and has published numerous original contribution manuscripts in peer reviewed journals. He is expected to graduate from Interventional Cardiology Fellowship this academic year (June 2018) and is then pursuing an advanced fellowship in Endovascular Interventions at Massachusetts General Hospital, Harvard Medical School from July 2018- June 2019.
3. Charles Nicolais, MD: I am a co-clinical and research mentor for Dr. Nicolais since July 2016, during his Cardiology Fellowship training at Temple University Hospital. Dr. Nicolais research work is focused on novel therapies on percutaneous ventricular support. He has presented our work on percutaneous right ventricular support at national meetings and has manuscripts under review in peer reviewed journals. He is expected to graduate from Cardiology Fellowship (June 2019) and is then pursuing an advanced fellowship in Interventional Cardiology and Structural Heart Interventions at University of Pittsburgh Medical Center, from July 2019- June 2021.
4. Russell Rosenberg, MD: I am a co-clinical and research mentor for Dr. Rosenberg since July 2017, during his Cardiology Fellowship training at Temple University Hospital. Dr. Rosenberg is focusing his research work on techniques to limit contrast usage during cardiac interventional procedures. He is expected to graduate from Cardiology Fellowship (June 2020).
5. Aaron Lee, MD: I am a co-clinical and research mentor for Dr. Lee since July 2017, during his Internal Medicine training at Temple University Hospital. Dr. Lee is focusing his research work on qualitative research focusing on improving medication compliance after undergoing percutaneous coronary revascularization. He also co-authored an expert review on management of acute pulmonary embolism with our group in the American College of Cardiology "CardioSource" online resource. He is expected to graduate from Internal Medicine Residency (June 2018) and is then pursuing a fellowship in Cardiology at Drexel University College of Medicine from July 2018- June 2021.
6. Manish Suryapalam, BS candidate: I am a research mentor for Dr. Suryapalam since July 2017. He is working with our group, gaining experience in research methodology and helping with various research projects. He is expected to graduate from Temple

University in May 2021.

Intramural Lectures and Didactic Courses:

1. Didactic teaching and regular supervision for Cardiology and Interventional Cardiology Fellows at weekly cardiac catheterization conferences as well as various clinical settings like medical floors, cardiac catheterization laboratory and outpatient clinics.
2. Didactic teaching for Cardiology and Interventional Cardiology Fellows at the monthly Cardiology Fellowship and Interventional Cardiology Fellowship Journal Club.
3. Didactic teaching at the Internal Medicine Residency Vascular Medicine Lecture Series.
4. Organized case based work shop titled “Introduction to cardiovascular physiology” for 2nd year medical students at the University of Colorado School of Medicine, September 2012.

COMMITTEE, ORGANIZATIONAL AND VOLUNTEER SERVICE

International/ National:

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| 09/2020 | Invited Faculty, 32 nd Annual Transcatheter Therapeutics (TCT) meeting of the Cardiovascular Research Foundation, Miami, FL. |
| 07/2020 | Invited Faculty, 13 th Annual Transcatheter Therapeutics (TCT)- India meeting of the Cardiovascular Research Foundation, Hyderabad, India. |
| 06/2020 | Invited Faculty, 15 th Annual Complex Cardiovascular Catheter Therapeutics: Advanced Endovascular and Coronary Intervention Global Summit (C3) conference, Orlando, FL. |
| 01/2020 | Invited Faculty, 10 th Bangla Interventional Therapeutics meeting of the Cardiovascular Research Foundation, Kolkata, India. |
| 09/2019 | Invited Faculty, 31 st Annual Transcatheter Therapeutics (TCT) meeting of the Cardiovascular Research Foundation, San Francisco, CA. |
| 09/2018 | Invited Faculty, 30 th Annual Transcatheter Therapeutics (TCT) meeting of the Cardiovascular Research Foundation, San Diego, CA. |
| 06/2018 | Invited Faculty, 28 th Annual Meeting of the Society of Vascular Medicine Chicago, IL. |
| 03/2018 | Member, American College of Cardiology, Political Action Committee. |
| 7/2009- 6/2010 | Elected Hospital Representative from Jacobi Medical Center to the |

National Committee of Interns and Residents (CIR).

05/2006- 07/2005 Volunteer Service as a Medical Team Member in the Tsunami Relief Efforts, Pondicherry, IN.

Regional:

07/ 2017- 06/2018 Executive Board Member, Greater Philadelphia Angio Club, Academy for Cardiovascular Collaboration, Philadelphia, PA.

Institutional:

09/ 2016- 06/2018 Member, Cost to Treat Initiative Committee, Temple University Hospital, Philadelphia, PA.

INVITED LECTURES AND PRESENTATIONS:

1. Cardiology Grand Rounds Lecture titled “Interventional management of Chronic Pulmonary Embolism” at the University of Wisconsin, Madison, WI, February 2020.
2. Lecture titled “Balloon Pulmonary Angioplasty for CTEPH”, at the 10th Bangla Interventional Therapeutics meeting of the Cardiovascular Research Foundation, Kolkata, India, January 2020.
3. Cardiology Grand Rounds Lecture titled “Balloon Pulmonary Angioplasty for CTEPH: Overview of an evolving therapy” at University of Michigan Medical School, Ann Arbor, MI, January 2020.
4. Lecture titled “Management of Acute Pulmonary Embolism” at the National Cardiovascular Horizons Detroit Meeting, Detroit, MI, January 2019.
5. Cardiology Grand Rounds Lecture titled “Percutaneous Interventional Management of Right Ventricular Failure” at Lehigh Valley Health Network, Allentown, PA, October 2018.
6. Lecture titled “Balloon Pulmonary Angioplasty: Patient Selection for therapy” at the 30th Annual Transcatheter Therapeutics (TCT) Meeting of the Cardiovascular Research Foundation San Diego, CA, September 2018.
7. Lecture titled “A Case of Massive Pulmonary Embolism” at the 30th Annual Transcatheter Therapeutics (TCT) Meeting of the Cardiovascular Research Foundation San Diego, CA, September 2018.
8. Lecture titled “Known Unknowns in the Management of Sub-massive Pulmonary Embolism” at the 28th Annual Meeting of the Society of Vascular Medicine Chicago, IL,

June 2018.

9. Lecture titled “Right Ventricular Support using novel dual lumen Protek canula” at the International Society of Heart Lung Transplantation Annual meeting, Nice, France, April 2018.
10. Lecture titled “Endovascular Management of Venous Thromboembolic Disease” at the monthly Greater Philadelphia Angio Club, November 2017.
11. Lecture titled “Percutaneous Right Ventricular Support”, at the Annual Heart Failure and Transplantation Symposium organized by Temple University School of Medicine, November 2017.
12. Lecture titled “Percutaneous Left Ventricular Support Saves Myocardium” at the Annual CASES Symposium, Philadelphia, PA, September 2017.
13. Nephrology Grand Rounds presentation titled “Limiting Contrast exposure during Interventional Cardiac Procedures”, at Temple University School of Medicine, February, 2017.
14. Cardiology Grand Rounds presentation titled “Endovascular Management of Abdominal Aortic Aneurysms”, at Temple University School of Medicine, December, 2016.
15. Lecture titled “Management of Acute Coronary Syndromes” at the Annual Medicine Review Course organized by Temple University School of Medicine, November, 2016 in Lancaster, PA.
16. Taught a workshop titled “Challenging Cardiovascular disease cases” at the Annual Medicine Review Course organized by Temple University School of Medicine, November, 2016 in Lancaster, PA.
17. Cardiology Grand Rounds presentation titled “Real world Clinical Research”, at Temple University School of Medicine, May, 2015.
18. Cardiology Grand Rounds presentation titled “Real world Clinical Research”, at University of Colorado School of Medicine, May, 2014.
19. Cardiology Grand Rounds presentation titled “Completeness of Revascularization and Long Term Survival in Patients eligible for Percutaneous Coronary Intervention: A Meta-Analysis of Multi-Vessel Coronary Artery Disease Studies.” at Montefiore Medical Center, Albert Einstein College of Medicine, March, 2010.

BIBLIOGRAPHY:

Peer- Reviewed Journals and Publications:

1. Rosenberg RD, Guo CC, Chatterjee S, Schreyer KE, Bashir R, O'Murchu B, Aggarwal V, DeAngelis M, Edmundowicz D, O'Neill BP. The prognostic value of initial serum lactate for survival in post cardiac arrest patients undergoing cardiac catheterization. *Catheterization and Cardiovascular Interventions*. 2020 Mar 5. doi: 10.1002/ccd.28836.
2. Reddy S, Zack CJ, Lakhter V, Aggarwal V, Pitt HA, Edwards MA, Zhao H, Bashir R. Prophylactic Inferior Vena Cava Filters Prior to Bariatric Surgery: Insights from the National Inpatient Sample. *JACC Cardiovascular Interventions*. 2019 Jun 24;12(12):1153-1160. doi: 10.1016/j.jcin.2019.04.011.
3. Gleason KT, Dennison Himmelfarb CR, Ford DE, Lehmann H, Samuel L, Jain S, Naccarelli G, Aggarwal V, Nazarian S. Association of sex and atrial fibrillation therapies with patient-reported outcomes. *Heart*. 2019 May 22. pii: heartjnl-2019-314881. doi: 10.1136/heartjnl-2019-314881.
4. Patel NJ, Atti V, Basir MB, Aggarwal V. Catheter based therapies in massive pulmonary embolism. *International Journal of Cardiology*. 2019 Jul 15; 287:116-117. doi: 10.1016/j.ijcard.2019.04.029. Epub 2019 Apr 11.
5. Gleason KT, Dennison Himmelfarb CR, Ford DE, Lehmann H, Samuel L, Han HR, Jain SK, Naccarelli GV, Aggarwal V, Nazarian S. Association of sex, age and education level with patient reported outcomes in atrial fibrillation. *BMC Cardiovascular Disorders*. 2019 Apr 5;19(1):85. doi: 10.1186/s12872-019-1059-6.
6. Akhtar O, Lakhter V, Zack CJ, Hussain H, Aggarwal V, Oliveros E, Zhao H, Dhanisetty R, Charalel R, Zhao M, Bashir R. Contemporary Trends and In-Hospital Outcomes with Adjunctive Inferior Vena Cava Filter Placement in Patients Undergoing Catheter-Directed Thrombolysis for Deep Vein Thrombosis: Insights from the National Inpatient Sample. *JACC Cardiovascular Interventions*. 2018 Jul 23;11(14):1390-1397.
7. Chatterjee S, Bashir R, Lakhter V, O'Murchu B, O'Neill B, Aggarwal V. Case of Percutaneous extracorporeal femoro- femoral bypass for acute limb ischemia from large bore access. *JACC Cardiovascular Interventions*. 2017 Jun 26;10(12): e109-e110.
8. Lakhter V, Zack CJ, Brailovsky Y, Chatterjee S, Aggarwal V, Rao KA, Crabbe D, Zhao H, Choi E, Kolluri R, Bashir R. Sex differences in utilization and outcomes of catheter-directed thrombolysis in patients with proximal lower extremity deep venous thrombosis - Insights from the Nationwide Inpatient Sample. *Vascular Medicine*. 2017 Apr; 22(2):128-134.
9. Xie JX, Glorioso TJ, Dattilo PB, Aggarwal V, Ho PM, Barón AE, Donaldson D, Armstrong EJ, Klein A, Giri J, Tsai TT. Effect of Chronic Kidney Disease on Mortality in Patients Who Underwent Lower Extremity Peripheral Vascular Intervention. *American Journal of Cardiology*. 2016 Nov 16. pii: S0002-9149(16)31831-8.

10. Aggarwal V, Armstrong EJ, Liu W, Maddox TM, Ho PM, Carey E, Wang T, Sherwood M, Tsai TT, Rumsfeld JS, Bradley SM. Prasugrel Use Following PCI and Associated Patient Outcomes: Insights from the National VA CART Program. *Clinical Cardiology*. 2016 Oct;39(10):578-584.
11. Lakhter V, Aggarwal V, Bashir R, O'Murchu B, Cohen HA, O'Neill BP. Pericardiocentesis under continuous ultrasonographic guidance using a 7 cm micro puncture needle. *J Invasive Cardiology*. 2016 Oct;28(10):397-402.
12. Subbiah R, Aggarwal V, Zhao H, Kolluri R, Chatterjee S, Bashir R Effect of compression stockings on post thrombotic syndrome in patients with deep vein thrombosis: a meta-analysis of randomized controlled trials. *Lancet Haematology* 2016 Jun;3(6): e293-300.
13. Aggarwal V, Waldo SW, Armstrong EJ. Endovascular revascularization for aortoiliac atherosclerotic disease. *Vascular Health Risk Management*. 2016 Mar 29; 12:117-27.
14. Aggarwal V, Mishkel G, Goswami N. Percutaneous exclusion of a rapidly enlarging left main coronary artery aneurysm using coils and an Amplatzer septal occluder. 2016 Mar 4. doi: 10.1002/ccd.26478.
15. Aggarwal V, Einhorn BN, Cohen HA. Current status of percutaneous right ventricular assist devices: First-in-man use of a novel dual lumen cannula. *Catheter Cardiovasc Interv*. 2016 Feb 20. doi: 10.1002/ccd.26348.
16. Jarrett H, Zack CJ, Aggarwal V, Lakhter V, Alkhouli MA, Zhao H, Comerota A, Bove AA, Bashir R. Impact of Institutional Volume on Outcomes of Catheter Directed Thrombolysis in the Treatment of Acute Proximal Deep Vein Thrombosis: A 6-Year United States Experience (2005-2010). *Circulation*. 2015 Sep 22;132(12):1127-35.
17. Bradley SM, Hess E, Winchester DE, Sussman JB, Aggarwal V, Maddox TM, Barón AE, Rumsfeld JS, Ho PM. Stress Testing After Percutaneous Coronary Intervention in the Veterans Affairs HealthCare System: Insights from the Veterans Affairs Clinical Assessment, Reporting, and Tracking Program. *Circulation Cardiovascular Quality of Care and Outcomes*. 2015 Sep;8(5):486-92.
18. Aggarwal V, Stanislawski M, Maddox TM, Nallamothu B, Grunwald G, Adams J, Ho PM, Rao S, Casserly I, Rumsfeld J, Brilakis E, Tsai T. Safety and Effectiveness of Drug eluting versus Bare Metal Stents in Saphenous Vein Bypass Graft Percutaneous Coronary Interventions: Insights from the National Veterans Administration CART program. *Journal of American College of Cardiology*. 2014 Oct 28;64(17):1825-36.
19. Aggarwal V, Krantz MJ. Reply to "Reported cases of recurrent takotsubo cardiomyopathy with variant forms of left ventricular dysfunction". *American Journal of Medicine*. 2013 Jul;126(7): e29.
20. Aggarwal V, Krantz MJ. Reply to "Takotsubo cardiomyopathy: its various triggers".

- American Journal of Medicine. 2013 Jul;126(7): e25-6.
21. Aggarwal V, Krantz MJ. Migratory Takotsubo Cardiomyopathy in the Setting of Cholecystitis. American Journal of Medicine. 2012 Dec; 125(12): e5-6.
 22. Shore S, Aggarwal V, Zolty R. Carvedilol or sustained release metoprolol for congestive heart failure: a comparative effectiveness analysis. Journal of Cardiac Failure 2012 Dec; 18(12):919-24.
 23. Aggarwal V, Schneider A, Selvin E. Low Hemoglobin A1c in non-diabetic adults: An Elevated Risk State? Results from the Atherosclerosis Risk in Communities (ARIC) study. Diabetes Care. 2012 Oct; 35(10):2055-60.
 24. Aggarwal V, Rajpathak S, Singh M, Romick B, Srinivas, VS. "Completeness of Revascularization and Long Term Survival in Patients eligible for Percutaneous Coronary Intervention: A Meta-Analysis of Multivessel Coronary Artery Disease Studies." EuroIntervention. 2012 Jan; 7(9):1095-102.
 25. Sidlow, R., Aggarwal, V. "The MICU Is Full": One Hospital's Experience with an Overflow Triage Policy. The Joint Commission Journal on Quality and Patient Safety 2011Oct; 37(10):456-60.
 26. Sanchez JM, Tan JA, Farmakiotis D, Aggarwal V. Atypical Strokes in a Young African American Male: A Case of Mitochondrial Encephalopathy Lactic Acidosis and Stroke-Like Episodes (MELAS) Syndrome. Stroke Research and Treatment. 2011;2011: 140630.
 27. Sokol SI, Tsang P, Aggarwal V, Melamed ML, Srinivas VS. Vitamin D status and risk of cardiovascular events: lessons learned via systematic review and meta-analysis. Cardiology in Review. 2011 Jul-Aug; 19(4):192-201.
 28. Cabrera VJ, Farmakiotis D, Aggarwal V. Methylene chloride intoxication treated with hyperbaric oxygen therapy. American Journal of Medicine. 2011 May;124(5): e3-4.
 29. Britton K, Aggarwal V, Chen A, McGuire D, Thomas L, Alexander KP, Amsterdam E, Fraulo E, Wiviott SD, Muntner P, Roe M, Schubart U, Fox C. No Association between Hemoglobin A1c and In-Hospital Mortality in Patients with Diabetes and Acute Myocardial Infarction. American Heart Journal. 2011 Apr; 161(4):657-663.
 30. Rajpathak S, Aggarwal V, Ho F. Multifactorial intervention to reduce cardiovascular events in type 2 diabetes. Current Diabetes Reports. 2010 Feb; 10(1):16-23.

Online Literature Publications:

1. Aggarwal, V. Outcomes of Everolimus-Eluting Stents in Patients at High Bleeding Risk. <http://www.acc.org>. February 6, 2020.

2. Aggarwal, V. Mortality After Repeat Revascularization Following PCI or CABG. <http://www.acc.org>. January 15, 2020.
3. Aggarwal, V. Fractional Flow Reserve in Clinical Practice. <http://www.acc.org>. January 15, 2020.
4. Aggarwal, V. 2019 ESC Guidelines for Acute Pulmonary Embolism. <http://www.acc.org>. September 4, 2019.
5. Aggarwal, V. Balloon Pulmonary Angioplasty for Chronic Thromboembolic Pulmonary Hypertension. <http://www.acc.org>. July 19, 2019.
6. Aggarwal, V. Renal Denervation Update from International Sympathetic Nervous System Summit. <http://www.acc.org>. June 10, 2019.
7. Aggarwal, V. SCAI Clinical Expert Consensus Statement on Cardiogenic Shock. <http://www.acc.org>. May 20, 2019.
8. Aggarwal, V. MELODY Registry Outcomes of Transcatheter Pulmonary Valve Implantation. <http://www.acc.org>. April 30, 2019.
9. Aggarwal, V. OCT in Spontaneous Coronary Artery Dissection. <http://www.acc.org>. March 15, 2019.
10. Aggarwal, V. Normal Tricuspid Annular Dynamics. <http://www.acc.org>. March 6, 2019.
11. Aggarwal V. LAD Revascularization Deferral sub-study of DEFINE-FLAIR. <http://www.acc.org>. February 1, 2019.
12. Aggarwal V. Long- Term Follow Up Post-PFO Closure. <http://www.acc.org>. January 24, 2019.
13. Aggarwal V. TriValve Registry Outcomes After Transcatheter Tricuspid Valve Intervention. <http://www.acc.org>. January 16, 2019.
14. Aggarwal V. Outcomes with Transcatheter Tricuspid Valve Interventions. <http://www.acc.org>. January 15, 2019.
15. Aggarwal V. Acute Coronary Syndrome After TAVR. <http://www.acc.org>. December 18, 2018.
16. Aggarwal V. Endovascular Thrombus Removal for Iliofemoral DVT. <http://www.acc.org>. December 14, 2018.
17. Aggarwal, V. Transcatheter Heart Valve Handbook: A Surgeons' and Interventional Council Review. <http://www.acc.org>. December 7, 2018.

18. Aggarwal V. SYNTAX Score in Patients with Diabetes Undergoing Revascularization. <http://www.acc.org>. December 3, 2018.
19. Aggarwal V. Advances in Diagnosis and Treatment of VTE. <http://www.acc.org>. October 23, 2018.
20. Aggarwal V, Nicolais CD, Lee A, Bashir R. Acute Management of Pulmonary Embolism. <http://www.acc.org>. October 24, 2017.
21. Aggarwal V, Lee A, Khurana A, Goswami NJ. Temporary caval interruption using a novel angel catheter in a patient with a mega-cava. <http://www.acc.org>. February 7, 2017.
22. Mathur M, Mishkel GJ, Mathur M, Armstrong EJ, Bashir R, Aggarwal V. Role of Endovascular Therapies in Chronic Mesenteric Ischemia: Current Status and Technical Considerations. <http://www.acc.org>. January 12, 2017.
23. Mishkel G, Aggarwal V, Pearson PJ, Thourani VH, Forcillo J, Van Mieghem NM. Should all aortic stenosis patients older than 80 years undergo TAVR rather than SAVR? *Cardiac Interventions Today*, March/ April 2016.

Book Chapters:

1. “Current Status and Outcomes of Iliac Artery Endovascular Intervention” in *Endovascular Treatment of PAD and Critical Limb Ischemia; Interventional Cardiology Clinics*, 2017.
2. “Cardiology in the ICU”: *Critical Care Manual; 3rd Edition* by Chen, et al.

Abstracts (Oral and Poster Presentations at National Meetings):

1. Reddy S, Zack CJ, Lakhter V, Aggarwal V, Zhao H, Bashir R. Impact of Prophylactic Inferior Vena Cava Filters Prior to Bariatric Surgery: Insights from National Inpatient Sample. Poster presentation at: 67th Annual Scientific Session of the American College of Cardiology (2018), Orlando, FL.
2. Shanafelt C, Lakhter V, Rosenberg R, Aggarwal V, Forfia P, Vaidya A, Dass C, Zhao H, Brailovsky Y, Raza F, Bashir R. The Effect of Catheter-Directed Thrombolysis on the Echocardiographic and Invasive Hemodynamic Parameters in Patients with Acute sub-massive Pulmonary Embolism. Poster presentation at: 67th Annual Scientific Session of the American College of Cardiology (2018), Orlando, FL.
3. Nicolais CD, Suryapalam M, O’Murchu B, Bashir R, O’Neill B, Alvarez R, Forfia P, Vaidya A, Gomez- Abraham J, Hamad E, Aggarwal V. Use of Protek Duo cannula (RVAD) for percutaneous RV support in various clinical settings: a case series. Poster presentation at: 67th Annual Scientific Session of the American College of Cardiology (2018), Orlando, FL.

4. Mirza A, Lakhter V, Patil PV, Toyoda Y, Aggarwal V, Vaidya A, Forfia P, Bashir R. Increased Functional Exercise Capacity Following Balloon Pulmonary Angioplasty in Chronic Thromboembolic Pulmonary Hypertension: Single-center Experience. *JACC Interventions*. 2018;11(4): S30.
5. Reddy S, Lakhter V, Zack CJ, Chatterjee S, Aggarwal V, Bashir R. Contemporary Nationwide Trends in Inferior Vena Cava Filter Implantation Rates in The United States and the effect of Food and Drug Administration Advisory. *Journal of American College of Cardiology*. 2017;69(11):1008.
6. Lakhter V, Zack CJ, Reddy S, Chatterjee S, Aggarwal V, Katz P, Bashir R. Intracranial Hemorrhage in Patients Treated with Catheter Directed Thrombolysis. Accepted for Poster presentation at: 66th Annual Scientific Session of the American College of Cardiology (2017), Washington DC.
7. Lakhter V, Zack CJ, Reddy S, Chatterjee S, Aggarwal V, Bashir R. Nationwide Contemporary Trends in Adjunctive Angioplasty and Stenting at the Time of Catheter Directed Thrombolysis in Patients with Proximal Lower Extremity Deep Vein Thrombosis. Accepted for Poster presentation at: 66th Annual Scientific Session of the American College of Cardiology (2017), Washington DC.
8. Lakhter V, Zack CJ, Reddy S, Chatterjee S, Aggarwal V, Crabbe D, Bashir R. Sex Differences in the Use of Inferior Vena Cava Filters in Patients with Proximal Lower Extremity Deep Vein Thrombosis in the United States. Accepted for Poster presentation at: 66th Annual Scientific Session of the American College of Cardiology (2017), Washington DC.
9. Jarrett H, Zack C, Lakhter V, Oliveros E, Brailovsky Y, Lashner M, Aggarwal V, Wheatley G, Bove A, Bashir R. Impact of Annual Institutional Volumes on Comparative Safety Outcomes of Catheter Directed Thrombolysis versus Anticoagulation Therapy in the Treatment of Lower Extremity Proximal Deep Vein Thrombosis. *Journal of American College of Cardiology*. 2015;65(10_S): A 2067.
10. Oliveros E, Lakhter V, Zack C, Brailovsky Y, Jarrett H, Lashner M, Aggarwal V, O'Murchu B, O'Neill B, Cohen H, Bove A, Bashir R. Gender Differences in Coronary Revascularization Rates in the United States: Insight from Nationwide Inpatient Sample. *Journal of American College of Cardiology*. 2015;65(10_S): A1666.
11. Brailovsky Y, Raza F, Lakhter V, Oliveros E, Simpson S, Dass C, Aggarwal V, Bashir R, Forfia P. Baseline and Serial Examination of the RVOT Doppler Flow Profile Predicts the Degree of Pulmonary Vascular Obstruction Pre and Post Thrombolysis in acute sub-massive PE. *Journal of American College of Cardiology*. 2015;65(10_S): A1555.
12. Lakhter V, Zack C, Aggarwal V, Brailovsky Y, Jarrett H, Oliveros E, Lashner M, Wheatley G, Bove A, Bashir R. Sex Differences in Utilization and Outcomes of Catheter Directed Thrombolysis in Patients with Proximal Lower Extremity Deep Venous Thrombosis.

- Journal of American College of Cardiology. 2015;65(10_S):A2131.
13. Bradley SM, Hess E, Winchester DE, Sussman J, Aggarwal V, Maddox TM, Baron AE, Rumsfeld JS, Ho PM. Stress Testing Following PCI in the VA Health Care System: Insights from the VA CART Program. Poster presented at the American Heart Association Quality of Care and Outcomes Research Meeting (2014); Baltimore, MD.
 14. Xie JX, Ho PM, Dattilo PB, Aggarwal V, Glorioso TJ, Baron AE, Donaldson D, Armstrong E, Klein A, Giri J, Tsai TT. Chronic Kidney Disease is associated with Increased Mortality among Patients Undergoing Peripheral Vascular Intervention. Poster presented at the American Heart Association Quality of Care and Outcomes Research Meeting (2014); Baltimore, MD.
 15. Aggarwal V, Carey E, Tsai TT, Tom Maddox TM, Armstrong E, Ho PM, Plomondon ME, Wang T, Sherwood M, Bradley SM. Temporal trends and off-label, contraindicated, and higher risk prasugrel use among VA patients undergoing PCI: Insights from the VA CART program. Poster presented at the Annual Society for Cardiovascular Angiography and Interventions Meeting (2014); Las Vegas, NV.
 16. Case Presentation and Selection for VIVA 365 featured cases at the Annual VIVA meeting (2013), Las Vegas, NV.
 17. Shore S, Aggarwal V, Zolty R. Mean Platelet Volume on Admission as a Predictor of Long-term Mortality in Patients with Heart Failure and Preserved Ejection Fraction. Poster presentation at: 61th Annual Scientific Session of the American College of Cardiology (2012); Chicago, IL.
 18. Shore S, Aggarwal V, Zolty R. Chronic Anticoagulation and Long Term Mortality in Patients presenting for Heart Failure with Preserved Ejection Fraction (HFPEF). Poster presentation at: 61th Annual Scientific Session of the American College of Cardiology (2012); Chicago, IL.
 19. Aggarwal V, Shore S, Galindo J, Zolty R. "Incidence of Depression, Chronic Fatigue and Sexual Dysfunction with Beta-Blocker use: A Meta-Analysis of Randomized Control Trials." Poster presentation at: 61th Annual Scientific Session of the American College of Cardiology (2012); Chicago, IL.
 20. Gabriel P, Aggarwal V, Narasimhan S, Krim N, Srinivas VS, Scheuer J. Mean Platelet Volume and Neutrophil- to-Lymphocyte Ratio on Admission as a Predictor of Impaired Reperfusion in Patients Presenting with ST- Segment Elevation Myocardial Infarction. Poster presented at: 60th Annual Scientific Session of the American Heart Association (2011); Orlando, FL.
 21. Busuioc M, Shore S, Aggarwal V, Zolty, R. Use of Beta Blockers in Heart Failure: The Impact of Race on the Efficacy of Beta Blocker Therapy. Poster presented at: 60th Annual Scientific Session of the American Heart Association (2011); Orlando, FL.

22. Shore S, Aggarwal V, Zolty R. Improved Survival with Sustained Release Metoprolol when compared to Carvedilol in Patients with Ischemic Heart Failure: A Comparative Effectiveness Analysis. Oral Presentation at: 31st Annual Meeting of the International Society for Heart and Lung Transplantation (2011); San Diego, CA.
23. Shore S, Aggarwal V, Zolty R. Dose-dependent Improvement in Survival with ACE inhibitor Use in Patients with Pulmonary Arterial Hypertension and Heart Failure with Normal Ejection. Poster presented at: 31st Annual Meeting of the International Society for Heart and Lung Transplantation (2011); San Diego, CA.
24. Shore S, Aggarwal V, Zolty R. Improved Survival with Pioglitazone in Patients with Diabetes Mellitus, Pulmonary Arterial Hypertension and Heart Failure with Normal Ejection Fraction: A comparative effectiveness analysis. Poster presented at: 31st Annual Meeting of the International Society for Heart and Lung Transplantation (2011); San Diego, CA.
25. Shore S, Aggarwal V, Zolty R. Improved Survival with Statin Use in Patients with Pulmonary Arterial Hypertension and Heart Failure with Normal Ejection Fraction. Poster presented at: 31st Annual Meeting of the International Society for Heart and Lung Transplantation (2011); San Diego, CA.
26. Shore S, Aggarwal V, Zolty R. Higher doses of Spironolactone are associated with Lower Survival in Patients with Congestive Heart Failure. Oral presentation at: 31st Annual Meeting of the International Society for Heart and Lung Transplantation (2011); San Diego, CA.
27. Shore S, Aggarwal V, Zolty R. Carvedilol or Sustained Release Metoprolol for Congestive Heart Failure: A Comparative Effectiveness Analysis. Poster presented at: 60th Annual Scientific Session of the American College of Cardiology (2011); New Orleans, LA.
28. Shore S, Aggarwal V, Monrad ES, Srinivas VS. Outcomes following Percutaneous Coronary Intervention by Medical School Training and Years in Practice. Poster presented at: 60th Annual Scientific Session of the American College of Cardiology (2011); New Orleans, LA.
29. Tsang P, Aggarwal V, Srinivas VS, Sokol SI. Vitamin D Deficiency is Associated with Increased Cardiovascular Events: A Meta - Analysis of Prospective Studies. Oral Presentation at: 59th Annual Scientific Session of the American Heart Association (2010); Chicago, IL.
30. Aggarwal V, Tessitore E, Neravetla U, Meisner JS. Incidence of Left Ventricular Systolic Dynamic Obstruction in Non-Cardiogenic Shock Treated with Positive Inotropic Agents. Poster presented at 59th Annual Scientific Session of the American College of Cardiology (2010); Atlanta, GA.

31. Aggarwal V, Singh M, Rajpathak S, Limaye A, Srinivas VS. Completeness of Revascularization and Long Term Survival in Patients eligible for Percutaneous Coronary Intervention: A Meta-Analysis of Multivessel Coronary Artery Disease Studies. Poster presented at 59th Annual Scientific Session of the American College of Cardiology (2010); Atlanta, GA.
32. Aggarwal V, Britton K, Chen A, McGuire D, Thomas L, Alexander KP, Amsterdam E, Fraulo E, Wiviott SD, Muntner P, Roe M, Schubart U, Fox C. No Association between Hemoglobin A1c and In-Hospital Mortality in Patients with Diabetes and Acute Myocardial Infarction. Poster presented at the American Heart Association Quality of Care and Outcomes Research Meeting (2010); Washington, DC.
33. Aggarwal V, Grushko M, Rahmani R, Sidlow R. Critically ill "medical" patients in the coronary care unit: does it make a difference? Poster presented at: Annual National Meeting of Society of Hospital Medicine (2009); Chicago, IL.
34. Golub J, Aggarwal V, Bliagos D, Sokol S, Ghitelman J, Menegus M, Greenberg M, Srinivas VS. Does Coronary Dominance Affect Coronary Blood Flow and Mortality after Percutaneous Coronary Intervention for Acute Myocardial Infarction? Poster presented at: 58th Annual Scientific Session of the American College of Cardiology (2009); Orlando, FL.
35. Aggarwal V, Golub J, Bliagos D, Rajpathak S, Krim N, Sokol S, Monrad ES, Greenberg M, Srinivas VS. Impaired Coronary Flow in Non-Infarct Related Artery after Primary Angioplasty for Acute Myocardial Infarction: Predictors and clinical outcomes. Poster presented at: 58th Annual Scientific Session of the American College of Cardiology (2009); Orlando, FL.
36. Aggarwal V, Golub J, Bliagos D, Rajpathak S, Krim N, Sokol S, Monrad ES, Greenberg M, Srinivas VS. Impaired Coronary Flow in Non-Infarct Related Artery after Primary Angioplasty for Acute Myocardial Infarction: Predictors and clinical outcomes. Poster presented at: 58th Annual Scientific Session of the American College of Cardiology (2009); Orlando, FL.