

JAMIL BORGI, MD

CURRICULUM VITAE

3400 Bainbridge Ave

Bronx, NY 10467

Phone: 917-594-1330

Email: jborgi@montefiore.org

jamil.borgi@gmail.com

Education:

- Saint Therese – Koura, Lebanon, Lebanese Baccalaureate (experimental sciences), June 1997
- American University of Beirut Medical Center, Beirut-Lebanon, BS Biology, June 2000
- American University of Beirut Medical Center, Beirut-Lebanon, MD, June 2004

Post-Graduate Training:

- American University of Beirut Medical Center, Department of Surgery, Resident (PGY 1 – 3), 2004 – 2007
- Henry Ford Hospital, Department of Surgery, Detroit-Michigan, Resident (PGY 1 – 5), 2007 – 2012
- University of Washington Medical Center, Division of Cardiothoracic Surgery, Seattle-Washington, Fellow, Cardiothoracic Surgery, 2012 – 2014

Professional employment and Hospital appointments:

- Cardiothoracic Surgery Staff, Division of Cardiac Surgery, Henry Ford Hospital, Detroit-Michigan, September 2014 – February 2018
- Assistant Professor of Surgery, Department of Surgery, Division of Cardiothoracic Surgery, American University of Beirut, Beirut-Lebanon, February 2018 – February 2021
- Associate Surgical Director, Advanced Pulmonary Failure and Lung Transplantation, Department of Cardiothoracic Surgery, Montefiore Medical Center, March 2021 – Current
- Adjunct Associate Professor of Clinical Surgery, Department of Surgery, Division of Cardiothoracic Surgery, American University of Beirut Medical Center, Beirut-Lebanon, September 2021 – Current

Board Certification:

- Diplomate, American Board of Thoracic Surgery, Certificate #8104, 2015 – 2025
- Diplomate American Board of Surgery, Certificate #57868, 2013 – 2023

Professional Society Membership:

- Society of Thoracic Surgeons, 2012-present
- International Society of Heart and Lung Transplantation, 2017-present
- American College of Surgeons, 2007 – present
- The Alpha Omega Alpha Honor Medical Society, 2004 – present
- Graduate Medical Education Committee (GMEC), American University of Beirut, 2006-2007
- Graduate Medical Education Committee (GMEC), Henry Ford Hospital, 2009 – 2012

Awards and Honors:

- Lebanese Baccalaureate with Distinction: 1997
- Faculty of Medicine Dean's Honor List: 2003
- Faculty of Medicine Dean's Honor List: 2004
- Member of The Alpha Omega Alpha Honor Medical Society since 2004
- General Surgery Residency with Distinction: 2012
- Administrative Chief Resident: 2011
- Hour Detroit Magazine, Top Docs List 2016
- Hour Detroit Magazine, Top Docs List 2017

Reviewer for Scientific Journals

- Journal of Cardiovascular Surgery
- Journal of Cardiovascular Electrophysiology
- The International Journal of Artificial Organs
- Frontiers in Cardiovascular Medicine (Review Editor)

BIBLIOGRAPHY

Original Communications in Reviewed Journals:

1. Early acute thrombosis of bioprosthetic mitral valve presenting with cardiogenic shock: Tsiouris A, Nemeh H, **Borgi J**: Gen Thorac Cardiovasc Surg. 2012 Jun 20.
2. Significance of Postoperative Acute Renal Failure After Continuous-Flow Left Ventricular Assist Device Implantation: **Borgi J**, Tsiouris A, Hodari A, Cogan CM, Paone G, Morgan JA.: Ann Thorac Surg. 2012 Oct 25.
3. Continuous-flow left ventricular assist device implantation as a bridge to transplantation or destination therapy: Racial disparities in outcomes: Tsiouris A, Brewer RJ, **Borgi J**, Nemeh H, Paone G, Morgan JA: J Heart Lung Transplant. 2012 Dec 18
4. Is Resternotomy a Risk for Continuous-Flow Left Ventricular Assist Device Outcomes? Tsiouris A, Brewer RJ, **Borgi J**, Hodari A, Nemeh HW, Cogan CM, Paone G, Morgan JA: J Card Surg. 2012 Dec
5. A modified frailty index to assess morbidity and mortality after lobectomy: Tsiouris A, Hammoud ZT, Velanovich V, Hodari A, **Borgi J**, Rubinfeld I. J Surg Res. 2012 Dec 21.
6. The Differential Effects of Intermediate Complications on Postoperative Mortality: **Borgi J**, Rubinfeld I, Ritz J, Jordan J, Velanovich V. Am Surg. 2013 Mar;79(3):261-6.
7. Ischemic versus nonischemic dilated cardiomyopathy: the implications of heart failure etiology on left ventricular assist device outcomes. Tsiouris A, **Borgi J**, Karam J, Nemeh HW, Paone G, Brewer RJ, Morgan JA. ASAIO J. 2013 Mar-Apr;59(2)
8. Assessment of Morbidity and Mortality after Esophagectomy Using a Modified Frailty Index. Hodari A, Hammoud ZT, **Borgi JF**, Tsiouris A, Rubinfeld IS. Ann Thorac Surg. 2013 Jul 31.
9. Mycotic Aneurysm of the Right Coronary Artery Presenting as Infected Pericardial Effusion. **Borgi J**, Natrajan K, Sun JC. Circulation. 2014 Jul 8;130(2):e7-8
10. Lessons learned from 150 continuous-flow left ventricular assist devices: a single institutional 7 year experience. Tsiouris A1, Paone G, Nemeh HW, Brewer RJ, **Borgi J**, Hodari A, Morgan JA. ASAIO J. 2015 May-Jun;61(3):266-73.

11. Outcomes of patients with right ventricular failure on milrinone after left ventricular assist device implantation. Tsiouris A, Paone G, Brewer RJ, Nemeh HW, **Borgi J**, Morgan JA. ASAIO J. 2015 Mar-Apr;61(2):133-8.
12. Effect of Preoperative Albumin Levels on Outcomes in Patients Undergoing Left Ventricular Device Implantation. Go PH, Hodari A, Nemeh HW, **Borgi J**, Lanfear DE, Williams CT, Paone G, Morgan JA. ASAIO J. 2015 Aug 4.
13. Short and long term outcomes of 200 patients supported by continuous-flow left ventricular assist devices. Tsiouris A, Paone G, Nemeh HW, **Borgi J**, Williams CT, Lanfear DE, Morgan JA. World J Cardiol. 2015 Nov 26; 7 (11):792-800.
14. Effect of Body Mass Index on Outcomes in Left Ventricular Assist Device Recipients. Go PH, Nemeh HW, **Borgi J**, Paone G, Morgan JA. J Card Surg. 2016 Apr;31(4):242-7
15. Should Patients with Hepatic Fibrosis Undergo LVAD Implantation: A Comparative Analysis. Xuereb L, Go PH, Kaur B, Akrawe S, **Borgi J**, Paone G, Morgan JA. ASAIO J. 2016 Jul-Aug;62(4):498-500.
16. Outcomes on Continuous Flow Left Ventricular Assist Devices: A Single Institutional 9-Year Experience. Morgan JA, Go PH, Xuereb L, Kaur B, Akrawe S, Nemeh HW, **Borgi J**, Lanfear DE, Williams CT, Paone G. Ann Thorac Surg. 2016 Oct;102(4):1266-73.
17. Impact of Preoperative Atrial Fibrillation on Postoperative Thromboembolic Events After Left Ventricular Assist Device Implantation. Xuereb L, Go PH, Kaur B, Akrawe S, Nemeh HW, **Borgi J**, Williams CT, Paone G, Morgan JA. Ann Thorac Surg. 2016 Nov;102(5):1543-1549.
18. Socioeconomic disparities affect survival after aortic dissection. Kabbani LS, Wasilenko S, Nypaver TJ, Weaver MR, Taylor AR, Abdul-Nour K, **Borgi J**, Shepard AD. J Vasc Surg. 2016 Nov;64(5):1239-1245.
19. Surgical or Transcatheter Aortic-Valve Replacement in Intermediate-Risk Patients. N Engl J Med. 2017 Apr 6;376(14):1321-1331. **SURTA VI Trial Collaborator**
20. Resolution of Mitral Regurgitation with Left Ventricular Assist Device Support. Goodwin M, Nemeh HW, **Borgi J**, Paone G, Morgan JA. Ann Thorac Surg. 2017 Sep;104(3):811-818.
21. Severe Mitral Regurgitation Due to a "Folded" Anterior Mitral Valve Leaflet After Bentall Procedure Requiring Mitral Valve Replacement. Navas-Blanco JR, Cook SA, Guerra-Londono C, **Borgi J**, Sanders JA, Szymanski TJ. J Cardiothorac Vasc Anesth. 2018 Jun;32(3):1337-1340.

22. Transcatheter Aortic Valve Replacement: Comparing Transfemoral, Transcarotid, and Transcaval Access. Paone G, Eng M, Kabbani LS, **Borgi J**, Peterson E, Novitsky B, Burroughs B, Wang DD, O'Neill WW, Greenbaum AB. *Ann Thorac Surg*. 2018 Oct;106(4):1105-1112.
23. Establishing an ECMO program in a developing country: challenges and lessons learned. *Perfusion*. 2019 Mar 14. Assy J, Skouri H, Charafeddine L, Majdalani M, Younes K, Bulbul Z, Sfeir P, **Bourgi J**, Hallal A, Rifai K, Zaatari R, Bitar F, Rassi IE. *Perfusion*. 2019. Sep;34(6):508-515.
24. Operative strokes after repair of acute type a dissection: predisposing factors and implications. Weisberg A, Nemeh H, Kabbani L, Shepard A, van Harn M, Morgan J, **Borgi J**. *J Cardiovasc Surg (Torino)*. 2020;61(2):220-225
25. Prognosis and Outcome of Patients with Pulmonary Carcinoid Tumors: Experience at the MENA Region. Kreidieh, Firas & Bou akl, Imad & Darsa, Haidar & El Sayed, Rola & Khoury, Jessica & Alameh, Ibrahim & Bou Zerdan, Maroun & Shamseddin, Ali & Tfayli, Arafat & Sfeir, Pierre & **Borgi, Jamil** & Assi, Hazem. (2020). OPEN ACCESS Citation: Prognosis and Outcome of Patients with Pulmonary Carcinoid Tumors: Experience at the MENA Region. *Clin. Clinics in Oncology*. 5. 1753.
26. Management of a mechanical aortic valve during left ventricular assist device implantation in a previously replaced aortic root. Tulimat T, Osman B, Beresian J, Sfeir P, **Borgi J**. *Int J Artif Organs*. 2021 Feb 14:391398821990667. (in press).
27. Initiating a Chronic Thromboembolic Pulmonary Hypertension and Pulmonary Endarterectomy Program Based on a Single Center Experience in Lebanon. Osman B, Bou Akel I, Tulimat T, Sfeir P, **Borgi J**. *Semin Cardiothorac Vasc Anesth* 2022 Sep;26(3):187-194.
28. Iatrogenic Diversion of Superior Vena Cava Into Left Atrium. Jain T, **Borgi JF**, Lee JC, Ananthasubramaniam K. *Tex Heart Inst J*. 2022 May 1;49(3)
29. Self-expanding Transcatheter vs Surgical Aortic Valve Replacement in Intermediate-Risk Patients: 5-Year Outcomes of the SURTAVI Randomized Clinical Trial. *JAMA Cardiol*. 2022 Oct 1;7(10):1000-1008 ; **SURTAVI Trial Investigators**.

30. Lower limb amputation following venous cannulation for VA-ECMO: a case report. Habr N, Hoballah JJ, Borgi J, Hamadi C, Sfeir P, Haddad F. *Perfusion*. 2023 Mar;38(2):414-417.
31. HIV D+/R+ heart/kidney transplantation: First case report. Hemmige V, Saeed O, Puius YA, Azzi Y, Colovai A, **Borgi J**, Goldstein DJ, Rahmanian M, Carlese A, Jorde UP, Patel S. *J Heart Lung Transplant*. 2023 Mar;42(3):406-408.

Books Chapters:

1. **Borgi J**, Sfeir P: Evaluation of the Cardiac Surgical Patient, in: 'Hamilton Bailey's Demonstration of Physical Signs in Clinical Surgery, 19th edition'.
2. **Borgi J**, Mulligan MS: Pulmonary Endarterectomy, in: *Master Techniques in Surgery: Thoracic Surgery* (Mathisen/Morse, eds.)
3. **Borgi J**, Weaver M: Brachiocephalic Arterial Reconstruction, in: *Practical Endovascular and Open Vascular Reconstruction*.
4. **Borgi J, Forest**: Lung transplantation: Technical considerations in the complex patient: *Textbook of Transplantation and Mechanical Support for End-Stage Heart and Lung Disease*. Yaron D. Barac, Scott C. Silvestry, Daniel Goldstein, and Mani A. Daneshmand, Editors. Wiley-Blackwell.

Presentations:

1. The Association of Morbidity Mixed and Mortality in National Surgical Quality Improvement Program Data: Surgical forum: The American College of Surgeons 94th Annual Clinical Congress: Oct 13, 2009.
2. Outcomes in Patients Above 60 Years Old with HeartMate II Left Ventricular Assist Devices: Michigan Chapter of The American College of Surgeons: May 21, 2010.
3. Outcomes in Patients Above 60 Years Old with HeartMate II Left Ventricular Assist Devices: Michigan Society of Thoracic and Cardiovascular Surgeons (MSTCVS), Annual Summer Conference: Aug 6, 2010.
4. Impact of Acute Renal Failure on Survival After LVAD HM II: Michigan Chapter of The American College of Surgeons: May 20, 2011.

5. Impact of Acute Renal Failure on Survival After LVAD HM II: Michigan Society of Thoracic and Cardiovascular Surgeons (MSTCVS), Annual Summer Conference: Aug 7, 2011.
6. Frailty as a risk factor for poor outcome in Coronary Bypass Surgery: Exploring the NSQIP data: Oral Presentation: Surgical forum: The American College of Surgeons 97Th Annual Clinical Congress: Oct 2012.
7. Frailty as a risk factor for poor outcome in Coronary Bypass Surgery: Exploring the NSQIP data: Michigan Chapter of The American College of Surgeons: May 17, 2012
8. Continuous-Flow Left Ventricular Assist Device Implantation as a Bridge to Transplantation or Destination Therapy: Racial Disparities in Outcomes: Oral Presentation (co-author): Surgical forum: The American College of Surgeons 97Th Annual Clinical Congress: Oct 2012.

Poster Presentations:

1. The Association of Morbidity Mixed and Mortality in National Surgical Quality Improvement Program Data: HFMG Symposium: May 14, 2009, Detroit, MI.
2. The Relationship of Absolute Rates Of Morbidity And Morbidity O/E Ratios To Postoperative Mortality in NSQIP Data: 2009 ACS NSQIP National Conference, San Diego, CA.
3. Impact of Acute Renal Failure on Survival after HM II LVAD Implantation: 2010 ISHLT 30th Anniversary Meeting and Scientific Sessions, Chicago, IL.
4. Operative Strokes after repair of Acute Type A Dissections: Predisposing factors and implications. The AATS Aortic Symposium 2016, NYC, NY.
5. Initiating a Chronic Thromboembolic Pulmonary Hypertension and Pulmonary Endarterectomy Program Based on a Single Center Experience in Lebanon. ISHLT 2021

Select Abstracts:

1. The association of morbidity mix and mortality in National Surgical Quality Improvement Program data: *Journal of the American College of Surgeons, Volume 209, Issue 3, Pages S97-S97.* **J. Borgi**, I. Rubinfeld, J. Patton, J. Ritz, J. Jordan, V. Velanovich.
2. Impact of Acute Renal Failure on Survival after HM II LVAD Implantation: *The Journal of Heart and lung Transplantation, Volume 29, Issue 2, Supplement, Page S178.* J.A. Morgan, R.J. Brewer, H.W. Neme, S.E. Henry, **J. Borgi**, B. Czerska, C.T. Williams, D.E. Lanfear, C. Tita, C. Drost, C. Smith, J. Chernich, H.N. Sabbah, G. Paone

3. Frailty as a risk factor for poor outcome in coronary bypass surgery: Exploring the National Surgical Quality Improvement Program data: *Journal of the American College of Surgeons Vol. 215, Issue 3, Supplement, Page S66*. **Jamil Borgi**, Gaetano Paone, Ilan S. Rubinfeld
4. Continuous-flow left ventricular assist device implantation as a bridge to transplantation or destination therapy: Racial disparities in outcomes. *Journal of the American College of Surgeons Vol. 215, Issue 3, Supplement, Page S42*. Athanasios Tsiouris, Gaetano Paone, Robert J. Brewer, Hassan W. Nemeh, **Jamil Borgi**, Scott E. Henry, Jeffrey A. Morgan.
5. Favorable Outcomes Using Long-Term Implantable Left Ventricular Assist Devices in Patients Sixty Five Years of Age and Older: The Journal of Heart and Lung Transplantation Vol. 32, Issue 4, Supplement, Pages S277-S278
6. RR11. Clinical Utility and Cost-Effectiveness of Carotid Duplex Ultrasound Prior to Cardiac Surgery. Lin, Judith & Kabbani, Loay & Peterson, Edward & Morgan, Jeffrey & Shepard, Alexander & **Borgi, Jamil** & Wertella, Kathleen & Paone, Gaetano. (2015). *Journal of Vascular Surgery*. 61. 193S. 10.1016/j.jvs.2015.04.366.
7. Baseline Pulmonary Function and Outcomes in Patients Receiving Left Ventricular Assist Devices. Raheja, Suraj & Tita, Cristina & Williams, Celeste & Morgan, Jeffrey & Nemeh, Hassan & Selektor, Yelena & Bhardwaj, Chetan & Brewer, Robert & **Borgi, Jamil** & Velez, Mauricio & Lanfear, David. (2015). *Journal of Cardiac Failure*. 21. S33-S34. 10.1016/j.cardfail.2015.06.126.
8. Changes in Pulmonary Function After Left Ventricular Assist Device Implantation. Raheja, Suraj & Velez, Mauricio & Bhardwaj, Chetan & Morgan, Jeffrey & Brewer, Robert & Nemeh, Hassan & Selektor, Yelena & Williams, Celeste & **Borgi, Jamil** & Tita, Cristina & Lanfear, David. (2015). *Journal of Cardiac Failure*. 21. S36. 10.1016/j.cardfail.2015.06.133
9. Should Patients With Hepatic Fibrosis Undergo LVAD Implantation: A Comparative Analysis. Xuereb, Linnea & Go, Pauline & Kaur, Babbaljeet & Akrawe, Silvy & **Borgi, Jamil** & Paone, Gaetano & Morgan, Jeffrey. (2016). *ASAIO journal (American Society for Artificial Internal Organs : 1992)*. 62. 10.1097/MAT.0000000000000375.

10. ABO Compatibility in Lung Transplantation. Demos, D. & Divine, G. & Paone, G. & **Borgi, J.** & Morgan, J. & Allenspach, L. & Stagner, L. & Nemeh, Hassan. (2016). The Journal of Heart and Lung Transplantation. 35. S368. 10.1016/j.healun.2016.01.1061.
11. Reoperation for Bleeding Does Not Adversely Impact Long-Term Outcomes in LVAD Recipients. Xuereb, L. & Kaur, B. & Akrawe, S. & Rashty, J. & Nemeh, Hassan & **Borgi, J.** & Lanfear, David & Williams, C.T. & Paone, G. & Morgan, J.A.. (2016). The Journal of Heart and Lung Transplantation. 35. S249. 10.1016/j.healun.2016.01.707.
12. The Incidence of Spontaneous Intracranial Hemorrhage Is Associated with Infection in Patients with Mechanical Circulatory Support. Raymond, T. & Mawri, Sagger & Jacobsen, G. & Selektor, Y. & Velez, M. & Nemeh, Hassan & **Borgi, J.** & Morgan, J. & Lanfear, David & Tita, C.. (2016). The Journal of Heart and Lung Transplantation. 35. S246-S247. 10.1016/j.healun.2016.01.699.
13. COGNITIVE FUNCTIONING IS ASSOCIATED WITH CLINICAL OUTCOMES AFTER LVAD IMPLANTATION. Bryce, Kelly & Tita, Christina & Williams, Celeste & Morgan, Jeffrey & Nemeh, Hassan & Selektor, Yelena & **Borgi, Jamil** & Velez, Mauricio & Lanfear, David. (2016). Journal of the American College of Cardiology. 67. 1273. 10.1016/S0735-1097(16)31274-8.
14. Does Preoperative Atrial Fibrillation Increase the Incidence of Thromboembolic Complications in Patients Supported with Long-Term LVADs? Xuereb, L. & Kaur, B. & Akrawe, S. & Nemeh, Hassan & **Borgi, J.** & Lanfear, David & Williams, C.T. & Paone, G. & Morgan, J.A.. (2016). The Journal of Heart and Lung Transplantation. 35. S130-S131. 10.1016/j.healun.2016.01.357.
15. OUTCOMES OF IMPELLA ASSISTED PERCUTANEOUS BALLOON AORTIC VALVULOPLASTY IN VERY HIGH RISK SEVERE AORTIC STENOSIS PATIENTS. Yadav, Pradeep & Eng, Marvin & Divine, George & Wang, Dee & Arjomand-Fard, Heidar & Wyman, Janet & Isley, Michael & **Borgi, Jamil** & Paone, Gaetano & Greenbaum, Adam & O'Neill, William. (2016). Journal of the American College of Cardiology. 67. 404. 10.1016/S0735-1097(16)30405-3.
16. Systolic Blood Pressure and Outcomes in Patients on Continuous Flow LVAD Support: An INTERMACS Analysis. Cowger, J.A. & Chamogeorgakis, T. & **Borgi, J.** & Grafton, Gillian & Selektor, Y. & Nemeh, H. & Tita, C. & Lanfear, David. The Journal of Heart and Lung Transplantation. 37. S30-S31. 10.1016

17. Initiating a Chronic Thromboembolic Pulmonary Hypertension and Pulmonary Endarterectomy Program Based on a Single Center Experience in Lebanon: B Osman, IB Akel, T Tulaimat, P Sfeir, **J Borgi**. The Journal of Heart and Lung Transplantation 40 (4), S463.

18. The United States Experience of Lung Transplantation in Recipients with COVID-19 Fibrosis: A UNOS/OPTN Analysis: DK Phan, P Friedmann, JP Skendelas, A Mansour, J Borgi, S Alsunaid, M Abbasi, SJ Forest. The Journal of Heart and Lung Transplantation 41 (4), S109-S110

19. Adult Lung Transplantation from Donation After Circulatory Death Donors: Safety and Outcomes Utilizing the UNOS/OPTN Registry: JP Skendelas, S Madan, A Mansour, S Alsunaid, M Abbasi, **J Borgi**, SJ Forest. The Journal of Heart and Lung Transplantation 41 (4), S191

20. Atypical HUS Unmasked by Infection and Calcineurin Inhibitors Post Lung Transplant. S Alsunaid, V Caputo, K Stryker, M Abbasi, **J Borgi**, S Forest, A Mansour. The Journal of Heart and Lung Transplantation 41 (4), S300

Landmark clinical and programmatic achievements:

- First Heart-Liver Transplant Patient in Metro Detroit: March 2014
- First Pulmonary Endarterectomy in Lebanon: August 2018
- Establishing a program for the surgical treatment of CTEPH: Lebanon 2018
- First lung transplant in Lebanon: December 2018
- Establishing a lung transplantation program: Lebanon 2018
- First minimally invasive LVAD implantation in Lebanon: August 2019
- Establishing a program for the surgical treatment of CTEPH: Montefiore: NY 2021
- World's First HIV+ to HIV+ Heart transplantation: Montefiore: NY 2022

Jamil Borgi MD, is the Associate Surgical Director of advanced pulmonary failure and lung transplantation at Montefiore Medical Center /Albert Einstein College of Medicine. After graduating with a medical degree from the American University of Beirut in 2004, he completed three years of General surgery training at AUBMC followed by five year of General Surgery residency at the Henry Ford Hospital/ Wayne State University program. He then completed his fellowship in Cardiothoracic Surgery at the University of Washington in Seattle. In 2014, he was recruited back to Henry Ford Hospital where he started a very busy and complex adult Cardiothoracic Surgery practice. During his time at Henry Ford Hospital, he helped expand the Cardiothoracic Transplant Program to its current state and built a strong referral for complex aortic surgery. His work focuses on advanced cardiac surgery including heart and lung transplantations, Ventricular Assist Devices implantation, and mechanical circulatory support for end stage heart and lung disease. Dr Borgi has a particular interest in aortic and mitral valve repair, surgery for chronic thromboembolic disease, and minimally invasive Cardiothoracic Surgery. He has successfully performed the first combined heart liver transplantation in metro Detroit area in 2014, the first double lung transplantation in Lebanon in 2018 and the first pulmonary endarterectomy for CTEPH in 2018 and has created a surgical program for End Stage Lung diseases at the American University of Beirut Lebanon. He joined the Montefiore Medical Center in 2021 and plays an integral part in the heart and lung transplant program on top of a busy complex cardiac surgical practice. In 2022 he performed the world first HIV+ to HIV + heart transplantation. He is very active in clinical research and has presented at multiple international meetings. He has authored numerous peer reviewed papers and a number of book chapters in the field of Cardiothoracic Surgery. He is board certified in both General Surgery and Cardiothoracic Surgery.