**CURRICULUM VITAE**



Eric I. Jeng, M.D., M.B.A., FACS, FACC Last updated: December 23, 2020

**CURRENT POSITION**

07/01/2018 – present **Assistant Professor of Surgery, University of Florida**

 Surgical Director, Mechanical Circulatory Support Program

 Division of Cardiovascular Surgery

 Department of Surgery

 University of Florida,

 Gainesville, Florida, United States of America

**EDUCATION and TRAINING**

High School

09/01/1997 – 06/18/2001 Alhambra High School, Alhambra, CA

Undergraduate

08/15/2001 – 06/28/2005 Bachelor of Science, Biology Major

 University of California Los Angeles, Los Angeles, CA

Doctoral/Graduate

08/08/2005 – 12/13/2009 Doctor of Medicine

 University of Illinois at Chicago, College of Medicine, Chicago, IL

08/11/2008 – 12/13/2009 Masters in Business Administration

Concentrations:

1. Management,

2. Human Resources and Information Technology in Healthcare

University of Illinois at Chicago, Liautaud Graduate School of Business, Chicago, IL

Postdoctoral

06/23/2010 – 06/23/2011 General Surgery Internship

 University of Illinois/ University of Illinois Health Hospital, Chicago, IL

06/24/2011 – 06/23/2014 General Surgery Residency

 University of Illinois/ University of Illinois Health Hospital, Chicago, IL

06/24/2014 – 06/23/2015 General Surgery Chief Residency

 University of Illinois/ University of Illinois Health Hospital, Chicago, IL

07/01/2015 – 06/30/2016 Thoracic and Cardiovascular Surgery Fellowship

 University of Florida, Gainesville, FL

07/01/2016 – 06/30/2018 Thoracic and Cardiovascular Surgery Chief Administrative Fellow

 University of Florida, Gainesville, FL

**PROFESSIONAL EXPERIENCE**

07/01/2018 – Current Attending Thoracic and Cardiovascular Surgeon

 Malcolm Randall Veterans Administration Hospital, Gainesville, FL

07/01/2018 – Current Attending Thoracic and Cardiovascular Surgeon

 University of Florida Jacksonville, Jacksonville, FL

07/01/2018 – Current Thoracic and Cardiovascular Surgery Clinical Student Clerkship Associate

 University of Florida College of Medicine, Gainesville, FL

03/01/2020 – Current Surgical Director of Adult Mechanical Circulatory Support Program

 University of Florida, Gainesville, FL

07/01/2018 – Current Assistant Professor of Surgery, University of Florida

 Division of Cardiovascular Surgery

 Department of Surgery

 University of Florida,

 Gainesville, FL, United States of America

**CERTIFICATION AND LICENSURE**

07/01/2018 – Current Drug Enforcement Administration

 DEA Number: FJ7306168

06/07/2019 – 12/31/2029 American Board of Thoracic Surgery – Certified

Certificate Number 8533

10/27/2015 – 12/31/2026 American Board of Surgery – Certified

Certificate Number 060619

09/22/2017 – 06/20/2021 Licensed Physician and Surgeon – California

License Number 151856

01/26/2015 – 01/31/2021 Medical Doctor – Florida

License Number ME122769

01/15/2013 – 07/31/2023 Licensed Physician and Surgeon – Illinois

License Number 036131945

**ADVANCED TRAINING**

03/2020 Impella 5.5 Training – Abiomed

 Boston, MA

12/2018 Lateral LVAD (HVAD) Training – Medtronic

 Baltimore, MD

08/2018 MitraClip Course 101 Training – Abbott

 New York City, NY

03/2018 Society of Thoracic Surgeons – Robotics in Cardiac Surgery Course

 Chicago, IL

02/2018 Heartmate 2 LAS, Heartmate 2/3 Advanced Training – Abbott

 Pleasanton, CA

01/2018 Aortic Immersion Course – Medtronic

 Santa Rosa, CA

02/2017 AATS Da Vinci Robotics Advanced Training – Intuitive

 Atlanta, GA

12/2016 AATS Da Vinci Robotics Basic Training – Intuitive

 Atlanta, GA

**DEMOGRAPHIC AND PERSONAL INFORMATION**

**RESEARCH ACTIVITIES**

 **Peer Reviewed Original Science Publications**

1. **Jeng EI**, Parker AM, Bleiweis MS. A mini-thoracotomy approach for walking veno-arterial extracorporeal membranous oxygenation*. J Card Surg*. 2020 Dec 16. doi: 10.1111/jocs.15232. Epub ahead of print. PMID: 33331047.
2. Beaver TM, Freeman KA, Arnaoutakis GJ, **Jeng EI**, Martin TD. Florida Sleeve Operative Technique. *OTTCVS*. 2020. *in press.*
3. Meece L, Wen TS, Park K, **Jeng EI**, Ahmed M. Pregnancy with a Ventricular Assist Device: A Systematic Review of Existing Literature. *J Cardiac Failure*. 2020. *in press.*
4. Plowman EK, Chheda N, Anderson A, Allen J, DiBiase L, Vasilopoulos T, Arnaoutakis G, Beaver T, Martin T, Bateh T, **Jeng E**. **Vocal Fold Mobility Impairment Following Cardiovascular Surgery: Incidence, Risk Factors and Sequela***. Ann Thorac Surg*. 2020 Oct 16:S0003-4975(20)31696-9. doi: 10.1016/j.athoracsur.2020.07.074. Epub ahead of print. PMID: 33075318.
5. Dallal York J, Miller S, Chapin J, Gore S, **Jeng EI**, Plowman EK**. Swallowing screening practice patterns for nurses in the cardiac surgery intensive care unit**. *J Clin Nurs*. 2020 Sep 13. doi: 10.1111/jocn.15490. Epub ahead of print. PMID: 32920944.
6. Liu H, Jones TE, **Jeng E**, Peng KL, Peng YG. **Risk Stratification and Optimization to Prevent Right Heart Failure During Left Ventricular Assist Device Implantation***. J Cardiothorac Vasc Anesth*. 2020 Oct 2:S1053-0770(20)31048-X. doi: 10.1053/j.jvca.2020.09.130. Epub ahead of print. PMID: 33097383.
7. Al-Ani M, Gul SS, Khatri A, Chowdhury MAB, Drabin M, Murphy T, Allen B, Aranda JM Jr, Vilaro J, **Jeng EI**, Arnaoutakis GJ, Parker AM, Meece LE, Ahmed MM. **Patterns of emergency department utilization for LVAD patients compared with non-LVAD patients.** *Int J Cardiol Heart Vasc*. 2020 Aug 14;30:100617. doi: 10.1016/j.ijcha.2020.100617. PMID: 32904266; PMCID: PMC7452580.
8. Liu H, **Jeng E**, Demos D, Vilaro J, Ahmed MM, Parker A, Pinzon J, Aranda J, Beaver TM, Arnaoutakis GJ**. Early versus standard renal replacement therapy after left ventricular assist device implantation.** *J Card Surg*. 2020 Oct;35(10):2529-2538. doi: 10.1111/jocs.14873. Epub 2020 Aug 2. PMID: 32741013.
9. Ghannam AD, Babu AN, Jeng EI. **Protek Duo Rapid Deployment cannulation utilized to bridge to durable heartware left ventricular assist device**. *J Card Surg*. 2020 Aug;35(8):2067-2069. doi: 10.1111/jocs.14775. Epub 2020 Jul 11. PMID: 32652695.
10. **Jeng EI**, Martin TD. **J-Mart:aortic valve replacement with Florida sleeve aortic root reconstruction**. *Eur J Cardiothorac Surg*. 2020 Jul 24:ezaa236. doi: 10.1093/ejcts/ezaa236. Epub ahead of print. PMID: 32706876.
11. **Jeng EI**, Miller AH, Friedman J, Tapia-Ruano SA, Reilly K, Parker A, Vilaro J, Aranda JM, Klodell CT, Beaver TM, Arnaoutakis GJ, Ahmed M. **Ventricular Assist Device Implantation and Bariatric Surgery: A Route to Transplantation in Morbidly Obese Patients with End-Stage Heart Failure.** *ASAIO J*. 2020 Jul 14. doi: 10.1097/MAT.0000000000001212. Epub ahead of print. PMID: 32701629.
12. **Jeng EI**, Acosta G, Martin TD, Upchurch GR Jr**. Pasteurella Multiocida infection resulting in a descending thoracic aorta mycotic pseudoaneurysm.** *J Card Surg*. 2020 Aug;35(8):2070-2072. doi: 10.1111/jocs.14776. Epub 2020 Jul 11. PMID: 32652682.
13. **Jeng EI**, Martin TD. **Simultaneous aortic valve endocarditis and mycotic pseudoaneurysm of aortic coarctation**. *J Card Surg*. 2020 Jul;35(7):1714-1716. doi: 10.1111/jocs.14645. Epub 2020 Jun 19. PMID: 32557775.
14. Freeman KA, Beaver TM, **Jeng EI**, Martin TD, Arnaoutakis GJ. **Florida Sleeve for Type A Dissection**. *J Vis Surg 2020.* Received: 02 March 2020. Accepted: 22 May 2020. doi: 10.21037/jovs-20-75.
15. **Jeng EI**, Hall DJ, Vilaro J, Lipori P, Parker A, Ahmed M, Aranda JM Jr, Martin TD, Beaver TM, Arnaoutakis GJ**. Utilizing the index for mortality prediction after cardiac transplantation risk score to predict hospital resource consumption**. *J Card Surg*. 2020 Apr;35(4):854-859. doi: 10.1111/jocs.14486. Epub 2020 Mar 1. PMID: 32115823.
16. [Alhussaini M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Alhussaini%20M%5BAuthor%5D&cauthor=true&cauthor_uid=31785293), [Arnaoutakis GJ](https://www.ncbi.nlm.nih.gov/pubmed/?term=Arnaoutakis%20GJ%5BAuthor%5D&cauthor=true&cauthor_uid=31785293), [Scali ST](https://www.ncbi.nlm.nih.gov/pubmed/?term=Scali%20ST%5BAuthor%5D&cauthor=true&cauthor_uid=31785293), [Giles KA](https://www.ncbi.nlm.nih.gov/pubmed/?term=Giles%20KA%5BAuthor%5D&cauthor=true&cauthor_uid=31785293), [Fatima J](https://www.ncbi.nlm.nih.gov/pubmed/?term=Fatima%20J%5BAuthor%5D&cauthor=true&cauthor_uid=31785293), [Back M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Back%20M%5BAuthor%5D&cauthor=true&cauthor_uid=31785293), [Arnaoutakis D](https://www.ncbi.nlm.nih.gov/pubmed/?term=Arnaoutakis%20D%5BAuthor%5D&cauthor=true&cauthor_uid=31785293), [**Jeng EI**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Jeng%20EI%5BAuthor%5D&cauthor=true&cauthor_uid=31785293), [Martin TD](https://www.ncbi.nlm.nih.gov/pubmed/?term=Martin%20TD%5BAuthor%5D&cauthor=true&cauthor_uid=31785293), [Neal D](https://www.ncbi.nlm.nih.gov/pubmed/?term=Neal%20D%5BAuthor%5D&cauthor=true&cauthor_uid=31785293), [Beaver TM](https://www.ncbi.nlm.nih.gov/pubmed/?term=Beaver%20TM%5BAuthor%5D&cauthor=true&cauthor_uid=31785293) .**Impact of Secondary Aortic Interventions after Thoracic Endovascular Aortic Repair on Long Term Survival.** [Ann Thorac Surg.](https://www.ncbi.nlm.nih.gov/pubmed/31785293) 2019 Nov 27. pii: S0003-4975(19)31750-3. doi: 10.1016/j.athoracsur.2019.10.015.
17. Hall DJ, **Jeng EI**, Gregg JA, Salgado JC, Emtiazjoo A, Chandrashekaran S, Pipkin M, Beaver TM, Machuca TN. **Impact of Donor and Recipient Age: Older Lung Transplant Recipients Do Not Require Younger Lungs** *Annals of Thoracic Surgery.* 2019 Mar;107(3):868-876. doi: 10.1016/j.athoracsur.2018.09.066
18. Ahmed MM, Magar SM, **Jeng EI**, Arnaoutakis GJ, Beaver TM, Vilaro J, Klodell CT, Aranda JM. **Effects of Socioeconomic Status on Clinical Outcomes with Ventricular Assist Devices**. *Clin Cardiol*. Sep 2018. Doi: 10.1.1002/clc.23070
19. **Jeng EI**, Reyes K, Hall D, Cooke S, Bleiweis MS. **Surgical Management of Ebstein Anomaly** *Cardiovascular Innovations and Applications.* May, 2018. DOI 10.15212/CVIA.2017.0052
20. **Jeng EI**, Hall DJ, Matthews C, Manning EW, Beaver TM. **Endocarditis:** **A review of the past and present, and a look into the future.** *Cardiovascular Innovations and Applications.* April, 2017. <https://doi.org/10.15212/CVIA.2017.0010>. ISSN: 2009-8618.
21. **Jeng EI**, Piovesana G, Taylor J, Machuca TN. **Extracorporeal Membrane Oxygenation to facilitate tracheal healing after esophagogastric catastrophe.** *European Journal of Cardiothoracic Surgery*. August, 2017. https://doi.org/10.1093/ejcts/ezx284.
22. **Jeng EI**, Klodell CT, Beaver TM, Machuca TN. **Catheter directed guidance for extracorporeal membranous oxygenation cannulation with unfavorable caval anatomy.** *Indian Journal of Thoracic and Cardiovascular Surgery.* August 2017. doi 10.1007/s12055-017-0585-a
23. **Jeng EI**, Gravenstein N, Klodell CT. **Perfusion Index:** **An Indicator of Success during Endoscopic Thoracic Sympathectomy for Hyperhidrosis.** *Annals of Thoracic Surgery.* May, 2017. S0003-4975(17)30285-0. doi: 10.1016/j.athoracsur.2017.02.023. PMID: 28527965.
24. Smith-Singares E, Boachie JA, Iglesias IM, Jaffe L, Goldkind A, **Jeng EI**. **Fusobacterium emphysematous pyomyositis with necrotizing fasciitis of the leg presenting as compartment syndrome: a case report***. J Med Case Rep*. 2017 Nov 28;11(1):332. doi: 10.1186/s13256-017-1493-y. PMID: 29179775; PMCID: PMC5704428.
25. **Jeng EI**, Voskresensky I, Beck AW, Lee TC. **Femoro-femoral shunt during surgery for acute Debakey Type 1 dissection to treat peripheral extremity malperfusion**. *Annals of Thoracic Surgery.* Jan, 2017. 103 (1) e17-e20. doi: 10.1016/j.athoracsur.2016.05114.PMID: 28007264.
26. **Jeng EI**, Piovesana G, Belli EV, Klodell CT, Beaver TM. **Giant pulmonary artery aneurysm and surgical repair**. *Indian Journal of Thoracic and Cardiovascular Surgery.* October, 2016. doi: 10.1007/s12055-016-0446-1. ISSN 0970-9134.
27. **Jeng EI**, Aranda JM, Ahmed M, Klodell CT. **Ventricular assist device and bariatric surgery: A bridge to heart transplant by weight and waiting time reduction.** *Journal of Cardiac Surgery.* Feb, 2016. doi: 10.1111/jocs.12688. PMID 26749254.
28. **Jeng EI**, Ortiz D, Khan A, Benedetti E, Borhani M, Oberholzer J. **Inferior vena cava stent graft sepsis.** *Annals of vascular surgery.* Oct, 2015. doi: 10.1016/j.avsg.2015.04.067 PMID 26122419.
29. **Jeng EI**, Jeng J, Bhagwandin S. Mertlotti GJ. Doherty JC. **Paediatric duodenal haematoma: nonoperative management of blunt traumatic injury.** *Injury Extra.* Sep, 2013. <http://dx.doi.org/10.1016/j.injury.2013.08.023>.
30. Bjurlin MA, **Jeng EI**, Goble SM, Doherty JC, Merlotti GJ. **Comparison of non-operative management with renorrhaphy and nephrectomy in penetrating renal injuries.** *Journal of Trauma.* Sep, 2011. doi: 10.1097/TA.0b013e318203321a PMID 21610541.
31. Torres J, Regan PL, Edo R, Leonhardt P, **Jeng EI**, Rappaport EF, Ikegaki N, Tang XX. **Biological effects of induced MYCN hyper-expression in MYCN-amplified neuroblastomas.** *Int J Oncology.* Oct, 2010. PMID 20811720.

 **Presentations**

1. Hall DJ, **Jeng EI**, Gregg JA, Salgado JC, Emtiazjoo A, Chandrashekaran S, Pipkin M, Beaver TM, Machuca TN. **Despite Growing Utilization, the Use of Public Health Service Increased Risk Donors for Lung Transplantation is Not Associated with Increased Mortality.** April, 2019. International Society of Heart and Lung Transplantation Annual Meeting, Orlando, FL.
2. Alhussaini, MA, **Jeng EI**, Salvatore S, Giles K, Fatima J, Arnaoutakis GJ, Martin TD, Beaver TM. **Impact of secondary aortic interventions after thoracic endovascular aortic repair on long term survival.** Jan 2019. Society of Thoracic Surgeons 55th Annual Meeting, San Diego, CA.
3. Freeman KA, **Jeng EI**, Gallegos J, Machuca TN, Oduntan O, Machado D, Philip J, Peng YG, Pipkin M, Beaver TM. **Traumatic pneumonectomy and management of severely contaminated pleural space.** Jan 2019. Society of Thoracic Surgeons 55th Annual Meeting, San Diego, CA.
4. **Jeng EI**, Hall DJ, Matthews C, Aalaei-Anadabili S, Peng YG, Spiess B, Arnaoutakis GJ, Martin TD, Beaver TM. **Emergent Surgery for Acute Stanford A Aortic Dissections: Comparing Novel and Traditional Anticoagulants.** Nov, 2018. Society of Thoracic Surgeons and European Association for Cardiothoracic Surgery Latin America. Cartagena, Columbia.
5. **Jeng EI**, Reoma JW, Arnaoutakis GJ, Martin TD, Beaver TM. **Florida Sleeve: Modification Using a Single Valsalva Graft.** May, 2018. American Association of Thoracic Surgeons Aortic Symposium. New York City, NY.
6. **Jeng EI**, Lipori P, Hall D, Duce L, Ahmed M, Villaro J, Aranda J, Beaver TM, Arnaoutakis GJ. **Utilizing the Index for Mortality Prediction after Cardiac Transplantation (IMPACT) Risk Score to Optimize Hospital Resource Consumption.** April, 2018. International Society of Heart and Lung Transplantation Annual Meeting, Nice, France.
7. Hall DJ, **Jeng EI**, Gregg JA, Salgado JC, Emtiazjoo A, Chandrashekaran S, Pipkin M, Beaver TM, Machuca TN. **Impact of Donor and Recipient Age: Do Older Lung Transplant Recipients Require Younger Lungs?** Jan, 2018. Society of Thoracic Surgeons 54th Annual Meeting, Fort Lauderdale, FL.
8. Hall DJ, **Jeng EI**, Gregg JA, Salgado JC, Emtiazjoo A, Chandrashekaran S, Pipkin M, Beaver TM, Machuca TN. **The Impact of Cytomegalovirus Serology on Survival Following Lung Transplantation.** Jan, 2018. Society of Thoracic Surgeons 54th Annual Meeting, Fort Lauderdale, FL.
9. **Jeng EI**. **Left ventricular Assist Devices: The Past and Present, and Look into the Future.** 50th Florida Society of Thoracic and Cardiovascular Surgeons Annual Meeting. July, 2017. Key Largo, FL.
10. **Jeng EI**, Hall DJ, Taylor J, Gregg JA, Salgado JC, Pelaez A, Emtiazjoo A, Chandrashekaran S, Klodell CT, Staples ED, Beaver TM, Machuca TN. **Oversizing Donor Allografts in Lung Transplants for End-Stage Chronic Obstructive Pulmonary Disease.** April, 2017. AATS Resident Poster Competition. AATS Centennial. Boston, MA.
11. Hall DJ, **Jeng EI**, Gregg JA, Salgado JC, Emtiazjoo A, Chandrashekaran S, Staples ED, Beaver TM, Machuca TN. **The Impact of Donor and Recipient Age Mismatch on Lung Transplantation Outcomes.** April, 2017. Florida Chapter, American College of Surgeons. Orlando, FL.
12. **Jeng EI**, Matthews C, Brenneman DJ, Zak T, Ahmed M, Beaver TM, Klodell CT. **Combining bariatric surgery and left ventricular assist device implantation: A route to heart transplantation for the morbidly obese.** Feb, 2017. University of Florida Research Day. Gainesville, FL.
13. **Jeng EI**, Hall DJ, Taylor J, Gregg JA, Salgado JC, Emtiazjoo A, Chandrashekaran S, Klodell CT, Staples ED, Beaver TM, Machuca TN. **Lung transplantation for Chronic Obstructive Pulmonary Disease: What predicts success?** Jan, 2017. Society of Thoracic Surgeons 53rd Annual Meeting. Houston, TX.
14. **Jeng EI**, Martin M, Klodell CT, Beaver TM, Machuca TN. **Directed catheter guidance to successfully place single cannulation veno-venous extracorporeal membrane oxygenation in a patient with unfavorable trans-caval anastomy.** Sep, 2016. American Lung Association’s Tri-State Consecutive Case Conference. Ponte Vedra, FL.
15. **Jeng EI**, Piovesana G, Belli EV, Klodell CT, Beaver TM. **Giant pulmonary artery aneurysm and surgical repair.** May, 2016. American Association of Thoracic Surgeons Aortic Symposium. New York City, NY.
16. **Jeng EI**, Ortiz D, Khan A, Benedetti E, Borhani M, Oberholzer **J. Inferior vena cava stent graft sepsis.** July, 2015. Florida Medical Association Annual Meeting. Orlando, FL.
17. **Jeng EI**, Bjurlin MA, Goble SM, Doherty JC, Merlotti GJ. **Comparison of non-operative management with renorrhaphy and nephrectomy in penetrating renal injuries.** June, 2013. University of Illinois, Olga Jonnason Symposium. Chicago, IL.
18. **Jeng EI**, Ikegaki N, Tang XX. **Molecular therapeutics of neuroblastoma.** April, 2008 University of Illinois, Student Research Form. Chicago, IL.
19. **Jeng EI**, Cooper EL. **Origins of Stress: an aggressive paradigm.** April, 2004. UCLA, Environment and Public Health Symposium. Los Angeles, CA.

 **FUNDING (current)**

 **Grants: Ongoing Awarded Research Support**

1. **Tenured Track Research Seed Funding, University of Florida Jeng (PI) 2018- 2021**

Title: The Role of Transesophageal Echocardiogram during Cardiothoracic Surgery.

Role: Principal Investigator

Total Award: $180,000 over three-year period

1. **R01 ARO72328 NIH – NIAM Martin & Beaver (Co-PI) 2018 - 2022**

Title: The Effect of Intermittent Hemidiaphraghm stimulation during surgery on mitochondrial function single fiber contractile force and catabolic pathways in humans: The goal of this project is to examine whether brief periods of diaphragm stimulation can prevent diaphragm problems caused by the use of mechanical ventilators and surgery.

Role: Co-Investigator

1. **Career Research Award, College of Medicine, University of Florida Jeng (PI) 2019- 2020**

Title: Improving Care of the Cardiac Surgical Patient.

Role: Principal Investigator

Total Award: $25,000 over one-year period

1. **Research Opportunity Fund, University of Florida Jeng & Ferreira (Co- PI) 2020- 2022**

Title: Reversible thiol oxidation and antioxidant treatment of cardiac and diaphragm contractile dysfunction in patients with end-stage heart failure

Role: Co-Principal Investigator

Total Award: $100,000 over two-year period

**EDUCATIONAL ACTIVITIES &TEACHING**

 **CME/Seminar Presentations**

1. **Jeng EI**. **A Day in the Life of A Cardiac Surgeon.** Presented at the 2020 UFL Undergraduate Medical Interest Group, Gainesville, FL October 2020.
2. **Jeng EI**. **Introduction to VA ECMO.** Presented at the 2020 UFL Department of Anesthesiology Critical Care Boot Camp, Gainesville, FL September 2020.
3. **Jeng EI**. **Introduction to VA ECMO.** Presented at the 2019 UFL Department of Anesthesiology Critical Care Boot Camp, Gainesville, FL September 2019.
4. **Jeng EI**. **Mechanical Circulatory Support, Past, Present, and Future.** Grand Rounds 2018 UFL Department of Surgery, Gainesville, FL September 2018.

**Mentorship/Research**

Matheus Falasa, MD, 2019- Current (University of Florida Gainesville, Department of Surgery, General Surgery Categorical Resident); email address: Matheus.falasa@surgery.ufl.edu

Project Title: **Novel Oral Anticoagulation Agents in Acute Stanford Type A Aortic Dissections**

Project Title: **Resource Utilization Transcatheter Aortic Valve Replacement versus Surgical Aortic Valve**

Project Title: **Resource Utilization Comparing General Anesthesia and Conscious Sedation in TAVR**

Alexander Ghannam, MD, 2019- Current (University of Florida Jacksonville, Department of Surgery, General Surgery Categorical Resident); email address: alex@ghannam.us

Project title: **Protek Duo Rapid Deployment cannulation utilized to bridge to durable Heartware left ventricular assist device**

Project title: **Pericardial Release for Early LVAD Malalignment**

Feriel Esseghir, MD, 2020- Current (University of Florida Gainesville, Department of Surgery, Surgical Resident); email address: feriel.esseghir@surgery.ufl.edu

Project title: **Single Center Experience with VA ECMO as a Bridge to Transplantation under the Contemporary UNOS Heart Allocation System**

Etzer Augustin, MD, 2020- Current (University of Florida Gainesville, Department of Surgery, Surgical Resident); email address: etzer.augustin@surgery.ufl.edu

Project title: **J-Mart: aortic valve replacement with Florida sleeve aortic root reconstruction**

Kevin Hao, BS 2020- Current (University of Florida College of Medicine, MD Candidate 2021); email address: khao2016@ufl.edu

Project Title: **Retrospective Review of Dysphagia in Cardiac Surgery**

Omar Sharaf, BS 2020- Current (University of Florida College of Medicine, MD Candidate 2021); email address: omar.sharag@ufl.edu

Project Title: **Retrospective Review of Dysphagia in Cardiac Surgery**

Project Title: **Long-term triple temporary mechanical circulatory support as a bridge to triple organ transplant**

Reed Holmes, BS, 2018- Current (University of Florida College of Medicine, MD Candidate 2021); henryholmes@ufl.edu

Project Title: **Resource Utilization Transcatheter Aortic Valve Replacement versus Surgical Aortic Valve**

Project Title: **Resource Utilization Comparing General Anesthesia and Conscious Sedation in Transcatheter Aortic Valve Replacement**

Amber Miller, BA, 2018-2019 (University of Florida School of Public Health, MPH 2019); email: amber.miller@ufl.edu

Project Title: **Morbid Obesity and End-Stage Heart Failure**

Jeremey Taylor, MD, MPH 2017 (University of Florida, Class of 2019)

Project Title: **Chronic Obstructive Pulmonary Disease and Lung Transplantation**

**CLINICAL ACTIVITIES**

 **Certifications**

 Advanced Trauma Life Support: 2011

 American College of Surgeons

 Advanced Cardiac Life Support: 2010 - Current

 American Heart Association

 Basic Life Support 2010 - Current

American Heart Association

**Fellowships**

 Fellow of the American College of Surgeons (**FACS**) – October 4, 2020 2020

 Fellow of the American College of Cardiology (**FACC**) - November 3, 2019 2019

**ORGANIZATIONAL ACTIVITIES**

 **Professional Societies**

1. **Professional Affiliations (in national and international scientific organizations)**

(Committee appointments, elected offices, and leadership positions held for each organization are listed after this list.)

1. **American Medical Association**  2019
2. **International Society of Minimally Invasive Cardiothoracic Surgery** 2017
3. **International Society for Heart and Lung Transplantation** 2017
4. **American Heart Association** 2016
5. **American Lung Association** 2016
6. **The Southern Thoracic Surgical Association** (**STSA**) 2015
7. **The Society of Thoracic Surgeons** **(STS**) 2015
8. **American College of Cardiology** 2015
9. **Florida Medical Association** 2015
10. **American Thoracic Society** 2011
11. **American College of Surgeons** 2010
12. **Professional Affiliations (in national and international scientific organizations with listing of committee appointments, elected offices, and leadership positions)**

(Committee appointments, elected offices, and leadership positions held for each organization are listed below.)

**American Medical Association**, Member 2019 – Current

**International Society of Minimally Invasive Cardiothoracic Surgery**, Member2017 – Current

**International Society for Heart and Lung Transplantation**, Member2017 – Current

**American Heart Association**, Member2016 – Current

**American Lung Association**, Member2016 – Current

**Southern Thoracic Surgical Association** (**STSA**), Member 2015 – Current

**The Society of Thoracic Surgeons** **(STS**), Member 2015 – Current

Candidate Member 2015-2018

 Member 2018 – Current

**American College of Cardiology**, Member2015 – Current

Fellow-in-Training 2015-2019

 Fellow (**FACC**) - November 3, 2019 2019 – Current

 Academic Section

 Cardiac Surgery Team Section

**Florida Medical Association**, Member2015 – Current

**American Thoracic Society**, Member2011

**American College of Surgeons**: 2010

 Associate Fellow 2015-2020

 Fellow (**FACS**) - October 4, 2020 2020 - Current

1. **Professional Affiliations (in local and regional societies)**
2. **Florida Chapter, American College of Surgeons** 2020
3. **The Florida Society of Thoracic and Cardiovascular Surgeons** (**FSTCS**) 2018
4. **Florida Chapter, American College of Cardiology** 2015

**RECOGNITION**

 **Awards**

1. UFL Department of Surgery Early Career Research Award, 2019-2020. Gainesville, FL
2. STS Advocacy Scholarship-ACS Leadership & Advocacy Summit, 2017. Washington D.C.
3. AATS Centennial Resident Poster 2nd Place Winner Thoracic Surgery. 2017. Boston, MA
4. Re-Evolution Summit Cardiothoracic Surgery Gore Scholarship. 2017. Houston, TX
5. AATS Da Vinci Robotics Graham Foundation Fellowship, 2016. Atlanta, GA
6. University of Illinois, Outstanding Teaching Resident of the Year. 2015. Chicago, IL
7. University of Illinois Mentors Program, Excellence in Teaching Award. 2015. Chicago, IL
8. University of Illinois Resident Research Second Place Winner. 2013. Chicago, IL
9. AMSA USMLE RX Scholarship. 2008. Chicago, IL.
10. University of Illinois at Chicago, Board of Trustees Tuition Award. 2008. Chicago, IL
11. University of Illinois at Chicago Craig Research Fellowship. 2007. Chicago, IL
12. University of Illinois Medicine Alumni and Friends Scholarship. 2006. Chicago, IL

 **Honor Societies**

Beta Gamma Sigma International Business Honor Society, Member 2008

**Current and Future Research Interests**

1. Machine learning in cardiovascular surgery:

Computerized applications of machine learning in cardiac surgery including data management, data utilization for quality control, and relational database technology with real time on line data entry and outcome analysis

1. Economics in Medicine:

Application of economics and resource optimization in medical and surgical practice.

1. Mechanical Circulatory Assist:

Extracorporeal Membrane Oxygenation (ECMO), Cardiopulmonary Support (CPS), and Ventricular Assist Device (VAD)

1. Transplantation:

 Cardiac and Pulmonary

1. Minimally Invasive Surgery:

Application of robotic surgery in adult cardiac surgery.

1. Surgical Outcomes Analysis and the Assessment of Quality of Care

**REFERENCES**

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