

## CURRICULUM VITAE

**Ahmed El-Eshmawi, M.D., M.B.B. Ch.**

Assistant Professor

Department of Cardiovascular Surgery  
Icahn School of Medicine at Mount Sinai

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### **APPOINTMENTS/EMPLOYMENT**

#### **Academic Appointment:**

3/22/2006-4/10/2010 Faculty Member, Cardiothoracic Surgery Department, Faculty of Medicine, Alexandria University, Egypt

10/05/2013-Present Assistant Professor of Cardiovascular Surgery, Icahn School of Medicine at Mount Sinai, Department of Cardiovascular Surgery, New York, New York

#### **Hospital Appointments:**

10/5/2013-Present Attending Surgeon, Mount Sinai Health System, New York, New York

10/5/2013-Present Clinical Director of the Mitral Valve Reference Center, Mount Sinai Hospital

2016- Lead Surgeon for the Blood Conservation Program at the Department of Cardiovascular Surgery, Mount Sinai Health System

#### **Internship and Residencies:**

03/01/2001-02/28/2002

Internship, Alexandria University Hospitals, Egypt

10/24/2002-10/23/2005

Cardiothoracic Surgery Residency, Faculty of Medicine, Alexandria University, Egypt

03/22/2006- 04/10/2010

Faculty Member, Cardiothoracic Surgery Department, Faculty of Medicine, Alexandria University, Egypt

1/1/2007 – 12/31/2007

Cardiac Surgery Fellowship, Heart Surgery Center of Erlangen, Freidrich-Alexander University, Erlangen, Germany

10/5/2010 – 10/4/2012

Adult Cardiac Surgery Fellowship, Icahn School of Medicine at Mount Sinai, Department of Cardiovascular Surgery, New York, New York

10/5/2012 – 10/4/2013

Heart Valve Cardiac Surgery Fellowship, Icahn School of Medicine at Mount Sinai, Department of Cardiovascular Surgery, New York, New York

### **GAPS IN EMPLOYMENT**

N/A

### **EDUCATION**

9/1/1994-9/30/2000 M.B.B Ch. Faculty of Medicine, Alexandria University, Egypt

09/30/2000 M.B.B Ch. (Bachelor of Medicine and Surgery) with Honors

06/19/2005 Master's Degree in General Surgery with Honors

### **CERTIFICATION**

06/24/2010 ECFMG Certification

08/24/2010 Doctor Degree/ PhD in Cardiothoracic Surgery with Honor  
(Egyptian Board Certification equivalent in Cardiothoracic Surgery)

### **LICENSURE**

11/1/2013 New York License Registration, No. 272871  
DEA Registration FE4230431

### **HONORS/AWARDS**

01/07/2007 DAAD Scholarship (German Academic Exchange Service Grant)  
2013 New York State – 30 Program, Department of Health, New York

### **PATENTS**

N/A

### **OTHER PROFESSIONAL ROLES**

2002 Egyptian Society of Cardiothoracic Surgery  
2013 Society of Heart Valve Disease  
2014 Society of Thoracic Surgeons  
2020 American Association for Thoracic Surgery

## **RESEARCH PROFILE**

My clinical research is focused on mitral surgery in valve Reference Centers. That includes defining the multidisciplinary components for centers of excellence for reconstructive valve surgery, developing novel mitral repair surgical techniques, and leading outcome research that helps sets standards in the field. I have a particular interest in mitral annular calcification and helped develop innovative hybrid approaches using transcatheter valves in an open surgical setting to treat this complex patient mitral subgroup. This approach is now an emerging standard of care in many advanced valve centers in the United States and we have presented our work in this area and published it in many prominent forums.

I also currently serve as the site PI of many different clinical trials our Department is participating in, and have leadership roles on multiple transcatheter valve trials, including serving on the National Screening Committees of 2 ongoing FDA pivotal trials.

In addition to my leadership in transcatheter and other novel approaches to treat valve disease, I have focused on documenting outcomes after mitral valve repair in our Reference Center at Mount Sinai, and been an active member of our Department's clinical research team. Our publications are often described as "benchmark" by our peers in the cardiovascular surgical community.

## **CLINICAL PROFILE**

I received my Bachelor's degree in Medicine from Alexandria University in 2000. I served as a resident and then joined the Alexandria faculty in the Department of Cardiothoracic Surgery for a decade. I then completed an advanced fellowship at the Heart Surgery Center of Erlangen, Germany. As my interest in reconstructive valve surgery grew, I recognized I needed more specialty training, and that led me to Mount Sinai where I completed an additional fellowship under Dr. Adams, and since joining his faculty I have now become a senior surgeon on the mitral team here. Our mitral center is one of the busiest in the world, and we have been recognized for the highest quality in annual reports from the New York State Department of Health. I am one of 2 surgeons that lead our re-operative mitral surgery program, as well as our mitral annular calcification program. As the Clinical Director, I am also involved in leadership of several of our quality initiatives, including blood conservation, and advancing concepts in preoptimization of complex mitral surgery.

I have developed my clinical practice through collaborations with the cardiology groups at Richmond University Medical Center in Staten Island as well as Mount Sinai Queens among others, as well as global outreach in the Middle East through Mount Sinai international office. Ultimately, I was rated as one of top Cardiovascular Surgeons in New York in 2019.

## **IMPACT**

## **GRANTS, CONTRACTS, FOUNDATION SUPPORT**

### **PAST GRANTS**

<u>List Funding Source, Project Title &amp; Number</u>	<u>Role in Project</u>	<u>Dates</u>	<u>Direct Costs</u>	<u>Supplemental Info</u>

### **CURRENT GRANTS**

<u>List Funding Source, Project Title &amp; Number</u>	<u>Role in Project</u>	<u>Dates</u>	<u>Direct Costs</u>	<u>Supplemental Info</u>
			List the total award, along with current year direct costs	

### **PENDING GRANTS**

<u>List Funding Source, Project Title &amp; Number</u>	<u>Role in Project</u>	<u>Dates</u>	<u>Direct Costs</u>	<u>Supplemental Info</u>

### **CLINICAL TRIALS PARTICIPATION**

<u>Project</u>	<u>Role in Project</u>	<u>Dates</u>	<u>Award</u>	<u>Other Info</u>
SITRAL Trial	Principal Investigator	4/2/2018-present	Baylor Scott & White Institute	Surgical Implantation of Transcatheter valve in native mitral annular calcification
ATLAS Study	Principal Investigator	6/4/2017-11/13/2018	Atricure Inc.	Patients at high risk for postop atrial fibrillation after open cardiac surgery (clip vs no clip)
ReChord IDE Study	Sub-Investigator	7/14/2016-present	Neochord Inc.	Degenerative mitral disease (randomized to open MV repair)
Twelve Pilot Study	Sub-Investigator	09/20/2016-present	Medtronic Inc.	High risk MV disease (single arm)
Triluminate Trial	Sub-Investigator	8/16/2017-present	Abbott Inc.	Severe TR patients at high risk for surgery

APOLLO Study	Sub-Investigator	9/29/2017-present	Medtronic Inc.	TMVR System in patients with severe symptomatic mitral
MITRAL Study	Sub-Investigator		Northwestern University	Inoperable MV patients with severe MV calcification or failing bioprostheses (single arm)
A Phase 2, Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Dose-Ranging Study to Evaluate the Efficacy and Safety of Botulinum Toxin Type A (AGN-151607) Injections into the Epicardial Fat Pads to Prevent Post-Operative Atrial Fibrillation in Patients Undergoing Open-Chest Cardiac Surgery	Sub-Investigator	12/13/2018-present	Allergan Inc.	Botulinum Toxin Type A (AGN-151607) Injections into the Epicardial Fat Pads to Prevent Post-Operative Atrial Fibrillation

### **TRAINEES**

<u>Name</u>	<u>Level of Trainee</u>	<u>Role in Training &amp; Inclusive Dates of Training</u>	<u>Training Venue</u>	<u>Trainees' Current Status/Employment</u>
<u>Vicente Orozco</u>	<u>PGY 7</u> <u>ACGME-2yr</u>  <u>Fellow</u>	10/2013-6/2014  7/2014-6/2015	MSH	Assistant Professor, University of Miami Health System Miami, Florida
<u>Modesto Colon</u>	<u>PGY 6</u> <u>PGY 7</u> <u>ACGME-2yr</u>	10/2013-6/2015	MSH	Assistant Professor, Cardiothoracic Surgery Banner University Medical Center

				Phoenix, AZ
<u>Amit Pawale</u>	<u>PGY 5</u> <u>PGY 6</u> <u>ACGME I6</u>	10/2013-6/2015	MSH	Assistant Professor Northwestern Medical Center Chicago, Illinois
<u>Javier Castillo</u>	<u>PGY 4</u> <u>PGY 5</u> <u>PGY 6</u> <u>ACGME I6</u>	10/2013-6/2016	MSH	Cardiac Surgeon Bayamon Medical Center Puerto Rico
<u>Aaron Weiss</u>	<u>PGY 3</u> <u>PGY 4</u> <u>PGY 5</u> <u>PGY 6</u> <u>ACGME I6</u>	10/2013-6/2015 7/2017-6/2019	MSH	Attending Cleveland Clinic Cleveland, Ohio
<u>Stephen Spindel</u>	<u>PGY 2</u> <u>PGY 3</u> <u>PGY 4</u> <u>PGY 5</u> <u>PGY 6</u> <u>ACGME I6</u>	10/2013-6/2018	MSH	Ochsner Medical Center New Orleans, Louisiana
<u>Shinobu Itagaki</u>	<u>PGY 1</u> <u>PGY 2</u> <u>PGY 3</u> <u>PGY 4</u> <u>PGY 5</u> <u>PGY 6</u> <u>ACGME I6</u>	10/2013-6/2019	MSH	Attending, Mount Sinai Hospital, New York, NY
<u>GianlucaTorregrosa</u>	<u>Fellow</u> <u>Fellow</u>	10/2013-2/2014 7/2014-6/2015 7/2015-6/2016	MSH	Clinical Associate of Surgery, University of Chicago
<u>Thitipong Tepsuwan</u>	<u>Fellow</u>	10/2013-6/2014	MSH	Faculty, Department of Cardiothoracic Surgery University of Chiang Mai Chiang Mai, Thailand
<u>Madhuri Rao</u>	<u>PGY 7</u> <u>PGY 8</u> <u>ACGME 2yr</u>	7/2014-6/2016	MSH	Assistant Professor Department of Surgery University of Minnesota
<u>Elbert Williams</u>	<u>PGY 1</u> <u>PGY 2</u> <u>PGY 3</u> <u>PGY 4</u> <u>PGY 5</u> <u>PGY 6</u> <u>ACGME I6</u>	7/2014-present Expected graduation date: 6/2020	MSH	Faculty, Department of Cardiovascular Surgery Mount Sinai Health System
<u>Ariel Farkash</u>	<u>Fellow</u>	7/2014-6/2015 1/2016-12/2016	MSH	Ichilov Medical Center Tel Aviv, Israel
<u>Ana da Costa</u>	<u>PGY 1</u> <u>PGY 2</u> <u>PGY 3</u> <u>PGY 4</u>	7/2015-present	MSH	

	<u>PGY 5</u> <u>PGY 6</u> <u>ACGME I6</u>			
<u>Lindita Coku</u>	<u>PGY 9</u> <u>ACGME 2yr</u>	7/2016-6/2017	MSH	Cardiovascular Surgeon Reid Health Richmond, Indiana
<u>Sudhan Nagarajan</u>	<u>PGY 8</u> <u>PGY 9</u> <u>ACGME 2yr</u>	7/2016-6/2018	MSH	Cardiothoracic Surgeon Gadsden Regional Medical Center Gadsden, Alabama
<u>Saina Attaran</u>	<u>Fellow</u>	7/2016-6/2017	MSH	Cardiothoracic Surgeon Prescott, AZ
<u>Aarti Patil</u>	<u>PGY 2</u> <u>PGY 3</u> <u>PGY 4</u> <u>PGY 5</u> <u>ACGME I6</u>	7/2017-present	MSH	
<u>Maroun Yammine</u>	<u>PGY 1</u> <u>PGY 2</u> <u>PGY 3</u> <u>PGY 4</u> <u>PGY 5</u> <u>ACGME I6</u>	7/2016-present	MSH	
<u>Lilyanne Chen</u>	<u>PGY 1</u> <u>PGY 2</u> <u>PGY 3</u> <u>PGY 5</u> <u>ACGME I6</u>	7/2017-present	MSH	
<u>Nana Toyoda</u>	<u>PGY 1</u> <u>PGY 2</u> <u>PGY 3</u> <u>PGY 4</u> <u>ACGME I6</u>	7/2017-present	MSH	
<u>William Gioia</u>	<u>PGY 6</u> <u>PGY 7</u> <u>ACGME 2yr</u>	7/2017-6/2019	MSH	St. Luke's University Hospital Bethlehem, Pennsylvania
<u>Dror Leviner</u>	<u>Fellow</u> <u>Non ACGME</u>	7/2017-12/2018	MSH	Rabin Medical Center Tel Aviv, Israel
<u>Martin Yates</u>	<u>Fellow</u> <u>Non ACGME</u>	7/2017-6/2019	MSH	Cardiothoracic Surgeon Barts Health NHS Trust London, United Kingdom
<u>Sophia Alexis</u>	<u>PGY 1</u> <u>PGY 2</u> <u>PGY 3</u> <u>ACGME I6</u>	7/2018-present	MSH	
<u>Aditya Sengupta</u>	<u>PGY1</u> <u>PGY 2</u>	7/2018-present	MSH	

	<u>PGY 3</u> <u>ACGME I6</u>			
<u>Brian Housman</u>	<u>PGY 6</u> <u>PGY 7</u> <u>ACGME 2yr</u>	7/2018- present	MSH	Faculty, Department of Thoracic Surgery Mount Sinai Health System
<u>Chartaroon Rimsukcharoenchai</u>	Fellow Non ACGME	7/2018-7/2020	MSH	Faulty, Chiang Mai University, Thailand
<u>Derrick Acheampong</u>	<u>PGY 1</u> <u>PGY 2</u> <u>ACGME I6</u>	7/2019-present	MSH	
<u>Javier Mejia</u>	<u>PGY 1</u> <u>PGY 2</u> <u>ACGME I6</u>	7/2019-present	MSH	
<u>Andrea Carollo</u>	<u>PGY 6</u> <u>PGY 7</u> <u>ACGME 2yr</u>	7/2019-present	MSH	
<u>Armita Kabirpour</u>	<u>PGY 1</u> <u>ACGME I6</u>	7/2020-present	MSH	
<u>Timothy Lee</u>	<u>PGY 2</u> <u>ACGME I6</u>	7/2020-present	MSH	
<u>Erick Sun</u>	<u>PGY 1</u> <u>ACGME I6</u>	7/2020-present	MSH	
<u>Michael Spallone</u>	<u>PGY 5</u> <u>ACGME 2 yr</u>	8/2020-present	MSH	

### **TEACHING ACTIVITIES**

<u>Teaching Activity/Topic</u>	<u>Level</u>	<u>Role</u>	<u>Indicate Level and Number of Learners Taught, and Venue</u>	<u>Number of hours week/month/yr</u>	<u>Evaluation Summary</u>	<u>Years Taught</u>
<i>Cardiac Surgery</i>	<i>Senior Surgeon</i>	<i>Faculty</i>	<i>Residents and Fellows</i>	<i>10</i>		<i>7</i>
<i>Mitral Valve Repair</i>	<i>Senior Surgeon</i>	<i>Faculty</i>	<i>Approximately 300 National and International Senior Surgeons</i>	<i>BiAnnual Live Surgery Courses</i>		<i>7</i>

### **ADMINISTRATIVE LEADERSHIP APPOINTMENTS**

#### **INTERNAL:**



Research or Clinical:

Clinical Director, Mitral Valve Reference Center

Teaching:

2020 PhD Committee, Doaa Alsaleh, PhD Candidate in Clinical Research, Icahn School of Medicine at Mount Sinai. Title: Long term outcomes after multiple vessel coronary bypass grafting: a comparison between multiple arterial versus single arterial grafting in patients with major comorbid conditions.

General Administration:

**EXTERNAL:**

National Screening Committee FDA Apollo Trial  
National Screening Committee FDA NeoChord Trial

## **PUBLICATIONS**

### **Peer Reviewed Original Contributions**

- 1- El-Eshmawi A, Onakpoya U, Khadragui I. Cardiac tamponade as a sequela to ventriculoatrial shunting for congenital hydrocephalus. *Tex Heart Inst J* 2009;36(1):58-60.
- 2- Onakpoya UU, El-Eshmawi A, Khadragui I. Outcome of endocardiotomy in “Egyptian type” endomyocardial fibrosis: a report of two patients. *European Surgery* October 2010, Volume 42, Issue 5, pages 241-4.
- 3- Mohamed A, Cherian S, El-Eshmawi A, Abdelmoneim SE, Soliman M, Abu-Rayan M, Kalangos A. Unusual origin and rare presentation of primary cardiac lymphoma. *Tex Heart Inst J* 2011;38(4):415-7.
- 4- El-Eshmawi A, Tang GH, Pawale A, Anyanwu AC, Adams DH. Unroofed coronary sinus in an adult. *J Card Surg* 2013 Jan;28(1):19–22.
- 5- Castillo JG, Anyanwu AC, El-Eshmawi A, Gordon RE, Adams DH. Early rupture of an expanded polytetrafluoroethylene neochord after complex mitral valve repair: an electron microscopic analysis. *J Thorac Cardiovasc Surg* 2013 Mar;145(3):e29-31.
- 6- Pawale A, El-Eshmawi A, Tang GH, Ellozy SH, Anyanwu AC. Emergency valve replacement for embolization of prosthetic mitral valve disc during catheterization procedure. *Ann Thorac Surg* 2013 May;95(5):1784-7.
- 7- Castillo JG, Anyanwu AC, El-Eshmawi A, Adams DH. All anterior and bileaflet mitral valve prolapses are repairable in the modern era of reconstructive surgery. *Eur J Cardiothoracic Surg* 2014 Jan;45(1):135-45.
- 8- Pawale A, El-Eshmawi A, Torregrossa G, Milla F. Ruptured papillary muscle causing acute severe mitral regurgitation. *J Card Surg*. 2013 Nov;28(6):707.
- 9- El-Eshmawi A, Castillo JG, Rhee AJ, Pawale A, Anyanwu AC. Accessory mitral valve leaflet. *Ann Thorac Surg* 2014 Jul;98(1):344.
- 10- Torregrossa G, Pawale A, El-Eshmawi A, Nguyen K. Left ventricular assists device insertion via small right axillary incision in a pediatric patient. *J Card Surg*. 2014 Jul;29(4):581-3.
- 11- El-Eshmawi A, Castillo JG, Pawale A, Reddy RC. Acute Postoperative Cardiorespiratory Arrest after En Bloc Thymectomy: a Multidisciplinary Diagnostic and Therapeutic Dilemma. *Austin J Surg*. 2014;1(4)2.
- 12- El-Eshmawi A, Love B, Bhatt HV, Pawale A, Boateng P, Adams DH. Direct access implantation of a Melody valve in native mitral valve: a hybrid approach in the presence of extensive mitral annular calcification. *Ann Thorac Surg* 2015 Mar;99(3):1085.
- 13- El-Eshmawi A, Pawale A, Nguyen K, Anyanwu AC. Correspondence Reply to Accessory miniature mitral valve causing subaortic obstruction. PMID 24996724 *Ann Thorac Surg* 2015 May;99(5):1869-70.
- 14- Mukit M, Kagalwala DZ, El-Eshmawi A, Rhee AJ. Novel presentation of flail mitral valve. *J Cardiothorac Vasc Anesth* 2015 Oct;29(5):1398-401.
- 15- Anyanwu AC, Itagaki S, Chikwe J, El-Eshmawi A, Adams DH. A complexity scoring system for degenerative mitral valve repair. Presented at the 95th Annual Meeting of The American Association for Thoracic Surgery, Seattle, Washington, April 25-29, 2015. *J Thorac Cardiovasc Surg* 2016 Jun;151(6):1661-70.
- 16- El-Eshmawi A, Tang GH, Verma S, Yanagawa B, Ruel M, Adams DH. Innovations in tricuspid valve intervention. *Curr Opin Cardiol* 2017 Mar;32(2):166–173.

- 17- Chikwe J, Toyoda N, Anyanwu AC, Itagaki S, Egorova NN, Boateng P, El-Eshmawi A, Adams DH. Relation of mitral valve surgery volume to repair rate, durability, and survival. *J Am Coll Cardiol* 2017 April 24; DOI: 10.1016/j.jacc.2017.02.026.
- 18- Toyoda N, Itagaki S, Egorova NN, Tannous H, Anyanwu AC, El-Eshmawi A, Adams DH, Chikwe J. Real world outcomes of surgery for native mitral valve endocarditis. *J Thorac Cardiovasc Surg* 2017 Dec;154(6):1906-1912.
- 19- El-Eshmawi A, Castillo JG, Tang GHL, Adams DH. Developing a mitral valve center of excellence. *Curr Opin Cardiol* 2018 Mar;33(2):155-161.
- 20- Montgomery ML, Oloomi M, El-Eshmawi A, Adams DH. Electrical storm after coronary artery bypass grafting: diagnosing and treating the trigger. *J Cardiothorac Vasc Anesth* 2018 Feb 3.
- 21- El-Eshmawi A, Pandis D, Adams DH, Tang GH. Tricuspid valve surgery: repair and replacement. *Minerva Cardioangiol* 2018 Dec;66(6):700-712.
- 22- Bhatt HV, Spivack J, Patel PR, El-Eshmawi A, Amir Y, Adams DH, Fischer GW. Correlation of 2-dimensional and 3-dimensional echocardiographic analysis to surgical measurements of the tricuspid valve annular diameter. *J Cardiothorac Vasc Anesth* 2019 Jan;33(1):137-145.
- 23- Bhatt HV, Montgomery ML, Mittnacht AJC, Shariat A, El-Eshmawi A, Adams DH, Weiner MM. Serratus anterior plane block for transapical off-pump mitral valve repair with neochord. *J Cardiothorac Vasc Anesth* 2019 Jul;33(7):2105-2107.
- 24- El-Eshmawi A, Anyanwu A, Boateng P, Pawale A, Pandis D, Bhatt H, Sun E, Adams DH. Second crossclamp to perfect degenerative mitral valve repair: decision-making algorithm, safety, and outcomes. *J Thorac Cardiovasc Surg* 2019 Oct 16.
- 25- Miller, MA, Adams DH, Pandis D, Robson PM, Pawale A, Pyzik R, Liao SL, El-Eshmawi A, Boateng P, Garg J, Waterford S, Weiner MM, Dukkipati SR, Reddy VY, Fayad ZA, Trivieri MG. *JAMA Cardiol.* 2020 Sep 1;5(9):1000-1005.
- 26- Shivamurthy P, Miller MA, El-Eshmawi A, Boateng P, Pandis D, Pawale A, Leviner DB, Costa AC, Rimsukcharoenchai C, Weiner MM, Salter B, Montgomery ML, Anyanwu A, Adams DH. *J Thorac Cardiovasc Surg* 2020 Aug 6:S0022-5223.
- 27- Meija J, Itagaki S, Phillips KG, El-Eshmawi A, Stewart A. Attempt at off label balloon valvuloplasty post-dilation for intuit sutureless valve. *J Card Surg* 2020 Jul 15.
- 28- El-Eshmawi A, Alexis SL, Sengupta A, Pandis D, Rimsukcharoenchai C, Adams DH, Tang GHL. Surgical management of mitral annular calcification. *Curr Opin Cardiol* 2020 Mar;35(2):107-115.

### **Other Peer Reviewed Publications**

- 2017 The American Association for Thoracic Surgery 2017 Mitral Conclave, April 27-28, 2017, New York, New York. Delayed mitral repair of infective endocarditis and neurological event. P. Boateng, A. Pawale, A. El-Eshmawi, J. Castillo, A. Anyanwu, D. Pandis, D. Adams. ePoster
- 2017 The American Association for Thoracic Surgery 2017 Mitral Conclave, April 27-28, 2017, New York, New York. Complex mitral valve repair in Marfan syndrome. A. Pawale, A. El-Eshmawi, P. Boateng, D. Pandis, J. Castillo, A. Anyanwu, D. Adams. ePoster

- 2017 The American Association for Thoracic Surgery 2017 Mitral Conclave, April 27-28, 2017, New York, New York. Mitral valve repair for acute ischemic papillary muscle rupture. A. Pawale, P. Boateng, A. El-Eshmawi, D. Pandis, J. Castillo, A. Anyanwu, D. Adams. ePoster
- 2017 The American Association for Thoracic Surgery 2017 Mitral Conclave, April 27-28, 2017, New York, New York. Perioperative optimization in a high risk patient. S. Attaran Asl, A. Pawale, A. El-Eshmawi, R. Varghese, P. Boateng, A. Anyanwu, D. Adams. ePoster
- 2017 The American Association for Thoracic Surgery 2017 Mitral Conclave, April 27-28, 2017, New York, New York. Management of post cardiectomy shock after mitral valve replacement and concurrent coronary bypass surgery. S. Attaran Asl, A. Pawale, A. El-Eshmawi, P. Boateng, R. Varghese, A. Anyanwu, D. Adams. ePoster
- 2017 Transcatheter Valvular Therapies, 2017. 30-day outcomes of transcatheter mitral valve replacement in native mitral valve disease with severe mitral annular calcification: the MITRAL Trial (Mitral Implantation of TRANscather vaLves). M. Guerrero, D. Wang, M. Eleid, S. Kodali, A. Pursnani, A. El-Eshmawi A. et al. Abstract

### **Invited Contributions**

#### **Books and Book Chapters**

- 1 A. El-Eshmawi and AC Anyanwu. Heart Transplantation: Surgical Techniques and Postoperative Concerns (chapter 26) in Modern Concepts and Practices in Cardiothoracic Critical Care 1st Edition by IGI Global. Copyright © 2015. Pages 756-779.
- 2 S. Zaid, A. El-Eshmawi, G. H. L. Tang, Future Transcatheter Mitral Valve Repair Replacement in ACC Book Chapter. March 2, 2018. <https://www.acc.org/Chapter-28-Future-transcatheter-mitral-valve-March-2-2018>.

### **Non-Peer Reviewed Publications**

#### **INVITED LECTURES/PRESENTATIONS**

- 2012 Faculty, Valves in the Heart of the Big Apple, presented by the Fourth Annual Joint Scientific Meeting of the Heart Valve Society of America and the Society for Heart Valve Disease, April 12 - 14, 2012, New York, New York (Surgical video presentation: Missed unroofed coronary sinus in an adult patient: when simple closure of a secundum atrial septal defect is not enough)

- 2013 Faculty, The American Association for Thoracic Surgery Mitral Conclave, May 2-3 2013, New York, New York (Surgical video presentation: Mitral annular calcification: Respect as a surgical strategy)
- 2014 Faculty, Valves in the Heart of the Big Apple VIII, May 8-10, 2014, New York, New York (Surgical video presentation: Extensive myxomatous disease)
- 2015 Invited Faculty, The Annual Meeting of the American Association for Thoracic Surgery, April 25 - 29, 2015, Seattle, Washington (Lecture: Severe mitral annular calcification; what about the use of balloon expandable pulmonary device)
- 2015 Faculty, Cardio-Alex May 31 – June 3, 2015, Alexandria, Egypt (Lecture: Extensive myxomatous disease)
- 2016 Invited Presenter, Department of Cardiovascular Surgery Grand Rounds, Icahn School of Medicine at Mount Sinai, April 13, 2016 (Mitral Annular Calcification - Crossing the Bar of Death) <https://www.youtube.com/watch?reload=9&v=kJip9tFaun4>
- 2016 Transcatheter Cardiovascular Therapeutics (TCT) Complex Mitral Valve Repair: Live Surgery Broadcast. Wednesday November 2, 2016. Mount Sinai Medical Center, New York, New York.
- 2016 Faculty, Reconstructive Valve Surgery Course Mitral Foundation at Mount Sinai December 2016 (Lecture: Techniques for Mitral Annular Calcification)
- 2017 Invited Faculty, 2017 Heart Valve Summit: Medical, Surgical, and Interventional Decision Making, October 5-7, 2017, Chicago, Illinois (Lecture: Dealing with Mitral Annular Calcification)
- 2017 Invited Faculty, the 11<sup>th</sup> Current Trends in Aortic, Cardiac and General Thoracic Surgery, September 8-9, 2017, Houston, Texas (Lectures: Mitral valve repair and the Neochord procedure; Ischemic mitral disease repair or replace?)
- 2017 Invited Faculty, The American Association for Thoracic Surgery 2017 Mitral Conclave, April 27-28, 2017, New York, New York (Video Presentation: Reconstruction of calcified intervalvular fibrosa and double valve replacement following TAVR. A. El-Eshmawi, D. Pandis, J. Mejia, D. Adams, P. Stelzer)
- 2017 Invited Faculty, The American Association for Thoracic Surgery 2017 Mitral Conclave, April 27-28, 2017, New York, New York (Lecture: Working around the calcium)
- 2017 Invited Faculty, The American Association for Thoracic Surgery 2017 Mitral Conclave, April 27-28, 2017, New York, New York (Breakout session: Challenging Clinical Cases. Left ventricular assist device therapy as an alternative to very high risk mitral valve surgery. A. Pawale, L. Coku, P. Boateng, A. El-Eshmawi, D. Adams)
- 2018 Invited Presenter, Department of Cardiovascular Surgery Grand Rounds, Icahn School of Medicine at Mount Sinai, April 11, 2018 (Blood Conservation in Cardiac Surgery) [https://www.youtube.com/watch?v=MzhYF\\_omjBY](https://www.youtube.com/watch?v=MzhYF_omjBY)

- 2018 Invited Speaker, 96<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery Adult Cardiac Skills: Mitral Valve, April 28, 2018, San Diego, California (Lectures: Complex endocarditis; Transapical chordal repair for mitral regurgitation)
- 2018 Faculty, the 18<sup>th</sup> Annual Echo New York incorporating 3-D Echo 360°, November 9-11, 2018, New York, New York (2D/3D Echo and surgical anatomy in MVP)
- 2018 Faculty, Live Reconstructive Valve Surgery Courses, Mitral Foundation at Mount Sinai, November 11-12, 2018, New York, New York.
- 2019 Faculty, Live Reconstructive Valve Surgery Course, Mitral Foundation at Mount Sinai, January 14-15, 2019, New York, New York.
- 2019 Faculty, American Association for Thoracic Surgery Mitral Conclave 2019, Plenary Session: Dealing with mitral annular calcification; Lecture: How to work around mitral annular calcification (MAC), May 2, 2019, New York, New York.
- 2019 Faculty, American Association for Thoracic Surgery Mitral Conclave 2019, Lecture: Direct access Sapien valve-in-MAC for radiation induced mitral disease, May 2, 2019, New York, New York.
- 2019 American Association for Thoracic Surgery Mitral Conclave, May 2, 2019, New York, New York. Session type: ePoster. Anterior mitral leaflet flail: surgical reconstructive strategy. A. El-Eshmawi, D. Pandis, P. Boateng, A. Pawale, D. Adams.
- 2019 American Association for Thoracic Surgery Mitral Conclave, May 2, 2019, New York, New York. Presentation: Reconstruction of posterior mitral valve commissure for acute mitral valve endocarditis: A. Pawale, D. Leviner, D. Pandis, P. Boateng, A. El-Eshmawi, D. Adams.
- 2019 American Association for Thoracic Surgery Mitral Conclave, May 2, 2019, New York, New York. Presentation: Blood flow dynamics drive left ventricular remodeling in severe primary mitral regurgitation with normal ventricular dimensions. D. Pandis, D. Collia, A. El-Eshmawi, A. Pawale, P. Boateng, S. Lerakis, G. Pedrizzetti, D. Adams.
- 2019 Faculty, American Association for Thoracic Surgery 99<sup>th</sup> Annual Meeting, Late Breaking Abstract Presentation: Second bypass run to perfect degenerative mitral valve repair. Decision making algorithm, safety and outcomes, May 5, 2019. Toronto, Canada.
- 2019 Faculty, American Association for Thoracic Surgery 99<sup>th</sup> Annual Meeting, Direct access mitral valve-in-valve replacement in complex third time reoperation on a high-risk patient (video), May 7, 2019, Toronto, Canada.
- 2019 Faculty, Heart Valve Summit: Medical, Surgical and Interventional Decision Making, Lecture: Making the case for aggressive concomitant tricuspid repair, October 4, 2019, Chicago, Illinois.
- 2019 Faculty, Live Reconstructive Valve Surgery Course, Mitral Foundation at Mount Sinai, November 14-15, 2019, New York, New York.
- 2020 Faculty, Live Reconstructive Valve Surgery Course, Mitral Foundation at Mount Sinai, January 9-10, 2020, New York, New York.

- 2020 Invited Faculty, The 6<sup>th</sup> Top to Toe Transcatheter Solutions 2020, February 13-14, 2020, Dubai, UAE (Lectures: Direct access mitral valve-in-valve replacement in complex third time reoperation on a high risk patient; Neochord Procedure)
- 2020 Invited Speaker. Adult Cardiac Breakout: Mitral Valve, Tricuspid Valve, Atrial Fibrillation. Observations from Reoperations for Mitral Stenosis after Mitral Valve Repair. The 100<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery, May 8, 2020 New York, New York

### **VOLUNTARY PRESENTATIONS**

- 2013 – Faculty, Live Reconstructive Valve Surgery Course, Mitral Foundation Center, New York (April 29-30, 2013; October 24-25, 2013, November 14-15, 2013; December 12-13, 2013; April 22, 2014, November 6-7, 2014; December 15-16, 2014; May 10-11, 2016; November 16-17, 2017; December 14-15, 2017; April 24-25, 2018; June 4-5, 2018; November 15-16, 2018; January 14-15, 2019; November 14-15, 2019; January 9-10, 2020)

### **MEDIA RESOURCE EDUCATIONAL MATERIALS**

- 2015 Special “Ask Me Anything” from the 2015 AATS Mitral Conclave  
<https://www.youtube.com/watch?v=ZHRh6bNd3fs>

### **Other CME:**

- 2010 Valves in the Heart of the Big Apple sponsored by Heart Valve Society of American and the Society for Heart Valve Disease, New York, New York, April 2010.
- 2011 5<sup>th</sup> Thoratec Heart Mate II Certification Course MCS in Heart Failure Fellows Conference, Pleasanton, California, November 3-5, 2011,
- 2012 Society of Thoracic Surgeons 48<sup>th</sup> Annual Meeting, Fort Lauderdale, Florida, January 2012
- 2013 Society of Thoracic Surgeons Symposium: Mechanical Circulatory Support for Advanced Cardiopulmonary Disease; Chicago, Illinois, September 2013
- 2014 Mass General Hospital Adult Congenital Cardiac Surgery Workshop, Boston, Massachusetts, May 12, 2014
- 2014 Atricure Cox IV Workshop and Certification, Chicago, Illinois, June 21-22, 2014.
- 2015 American Association for Thoracic Surgery Mitral Conclave, New York, New York, April 2015
- 2015 American Association for Thoracic Surgery International Coronary Congress: State-of-the-Art Surgical Coronary Revascularization, New York, New York, August 21-23, 2015
- 2016 American Association for Thoracic Surgery 96<sup>th</sup> Annual Meeting, Baltimore, Maryland, May 14-16, 2016
- 2016 Heart Valve Society Annual Meeting, New York, New York, March 17-19, 2016