

AHMED MAHMOUD EL-ESHMAWI
(Curriculum Vitae)

Cardiothoracic surgery department,
Mount Sinai Medical Center
1190 5th AV, GP-2W
NY-NY 10029

EDUCATION

09/01/1994-09/30/2000 **Alexandria University, Faculty of medicine M.B.B Ch.**

HONORS/CREDENTIALS

09/30/ 2000 **M.B.B Ch.** (Excellent degree with honor)

06/19/ 2005 **Master degree in General surgery** (Excellent grade).

12/12/ 2006 **USMLE STEP 2 CK:** scored 99%

07/01/2007 **DAAD scholarship (German academic exchange service grant)**
Hear surgery center of Erlangen, Germany

10/27/ 2009 **USMLE STEP 1:** scored 99%

03/30/ 2010 **USMLE STEP 2 CS**

06/24/ 2010 **ECFMG CERTIFICATION**

08/24/ 2010 **Egyptian Board Certification in Cardiothoracic Surgery.**

10/05/ 2010-Present **Advanced adult cardiac fellowship for complex valvular cardiac surgery at Mount Sinai Medical Center, Prof. David Adams.**

09/13/ 2012 **USMLE STEP 3** Passed 84%

EMPLOYMENT

03/01/2001-02/28/2002 **Internship** (house officer) at Alexandria University Hospitals.

10/24/2002-10/23/2005 **Residency** at the Cardiothoracic Surgery Department, Faculty of Medicine, Alexandria University, Egypt.

03/22/2006- 04/10/2010 **Faculty member, Demonstrator, Assistant lecturer and Lecturer** of Cardiothoracic Surgery, Cardiothoracic Surgery Department, Faculty of Medicine, Alexandria University, Egypt. This included 6 months fellowship 07/01/2007-12/31/2007 at the heart surgery center of Erlangen, Freidrich- Alexander University, Erlangen, Germany.

05/10/2010 – Present **Advanced Adult Cardiac Surgery Fellowship**, Mount Sinai Medical Center, NY with Prof. David Adams.

WORK EXPERIENCE

Adult Cardiac Surgery

Mastering many adult surgical procedures including valvular heart surgeries especially for rheumatic heart disease (replacement, simple MV repair), coronary surgery (including OPCAB and Total arterial revascularization) and emergency cardiac surgeries (acute prosthetic valve dysfunction, infective endocarditis both native and prosthetic valve), interest in complex reoperative surgeries, currently in advanced valvular heart surgery training with Prof. David Adams as well heart failure surgery including ventricular assist devices and cardiac transplantation at Mount Sinai with Dr Anyanwu Anelechi.

Pediatric cardiac surgery

Mastering of many simple pediatric surgeries including the following; ASD repair, VSD repair, PDA, TOF correction, subaortic obstruction, Neonatal shunts including BT shunts, Bidirectional Glenn shunt.

Assistance in complex congenital cardiac surgeries (arterial switch, Fontan completion, Norwood procedure, arch hypoplasia reconstruction, difficult neonatal shunts).

Thoracic surgery

Board certification in thoracic surgery including mastering of lung, pleural, esophageal and mediastinal surgeries, including both open and VATS procedures.

Perioperative/Cardiothoracic intensive care

Mastering of perioperative care of cardiothoracic surgical patients including both adult and pediatrics, with special interest in the intensive care of complex adult cardiac valvular surgery patients and heart failure surgery patients.

Trauma

Experienced in management of cardiothoracic trauma patients and emergency cases including penetrating and blunt cardiothoracic trauma.

Clinical areas of interests

Complex valvular heart surgery, Heart Failure surgery, Reoperative cardiac surgery, Endocarditis surgery, Tricuspid valve surgery, Cardiac Tumors, Adult Congenital cardiac surgery and Perioperative/Cardiothoracic intensive care.

ACTIVITIES

Master Degree in general surgery; thesis title VATS thymectomy for myasthenia gravis. 2005.

Regular teaching and presentations in the cardiothoracic surgery department, Alexandria University; 2005-2010.

Attending workshop for Fontan circulation in Erlangen, Germany under the supervision of **Prof, A. Castaneda**. 2007

Attending workshop for aortic root surgery in Erlangen, Germany under the supervision of **Prof ,Tirone David**. 2007

Training workshop in pediatric cardiac surgery, operating for one week under the supervision and assistance of **Prof, Leonard Bailey**, with collaboration of Loma Linda Pediatric cardiac surgery team. (3 cases TOF, 2 atrial switches, 2 neonatal MBT shunt, 1 Sinus of Valsalva aneurism, 1 neonatal VSD, 1 extended arch reconstruction, 1 completion Fontan) Alexandria University, Egypt. 2008.

Training workshop in pediatric cardiac surgery, operating for 10 days under the supervision and assistance of **Prof, David Anderson**, with collaboration of Guys and Saint Tomas hospital Pediatric cardiac surgery team. (Arterial switches, Neonatal shunts, DORV, complex aortic coarctation and TOF). Alexandria University, Egypt. 2008.

Stem cell regeneration therapy workshop sponsored by CLINILAB 2008; Alexandria University. 2008.

Training workshop in adult cardiac surgery (MV repair with biodegradable MV ring) **Prof, A. Kalangos**, Chairman of cardiothoracic surgery department Geneva, Switzerland. Alexandria University, Egypt. 2009

Training workshop in coronary surgery (OPCAB total arterial revascularization) operating for one week under the supervision and assistance of **Dr. Stephan Bauer**, Heart surgery center Lehr, Germany. Alexandria University, Egypt 2009.

Training workshop in pediatric cardiac surgery, operating for one week under the supervision and assistance of **Prof, David Anderson**, (Arterial switches, neonatal shunts, arch reconstruction), Alexandria University, Egypt 2009.

Reconstructive valve surgery workshop, Mount Sinai medical center, with **Dr. David Adams** 2011.

Attending the 5th **Thoratec HeartMate II Certification Course MCS** in Heart Failure Fellows Conference. Nov. 3-5, 2011. Pleasanton, CA. USA.

RESEARCH ACTIVITIES/LIST OF PUBLICATIONS

- 1- **Master degree in General surgery thesis; VATS thymectomy in myasthenia gravis. “VATS thymectomy for myasthenia gravis; our early experience”.** Msc thesis; Published in Alexandria medical journal; June 2005.
Accepted for presentation in Geneva meeting for European surgical research on June 2010.
- 2- **PhD/Doctor Degree thesis in cardiothoracic surgery (Comparative study of transatrial versus transventricular approaches in total repair for tetralogy of fallot).** July 2010.
- 3- **Cardiac Tamponade as a Sequela to Ventriculoatrial Shunting for congenital hydrocephalus;** Ahmed El-Eshmawi, MD, Uvie Onakpoya, MD, FWACS, Ibrahim Khadragui, MD; *Tex Heart Inst J* 2009;36(1):1-3.
- 4- **Outcome of endocardectomy in “Egyptian type” endomyocardial fibrosis: A report of two patients:** U. U. Onakpoya, A. El-Eshmawi and I. Khadragui. *European Surgery*, 2010, Volume 42, Number 5, Pages 241-244
- 5- **Unusual Origin and Rare Presentation of Primary Cardiac Lymphoma** Amir Mohamed, MD, MSc, Sanjay Cherian, MD, PhD, Ahmed El-Eshmawi, MD, MSc, Salah Eldin Abdelmoneim, MD, Maher Soliman, MD, Mohamed Abu-Rayyan, MD, MSc, Afskendyios Kalangos, MD, PhD. *Tex Heart Inst J* 2011;38(4):415-7.
- 6- **Unroofed coronary sinus in an adult.** El-Eshmawi A, Tang GH, Pawale A, Anyanwu AC, Adams DH. *J Card Surg* 2013; 28:19–22. VideoPresentation in the Fourth Annual Joint Scientific Meeting of the Heart and Society for Heart Valve Disease April 12 - 14, 2012 Marriott Marquis, New York City
- 7- **All anterior and bileaflet mitral valve prolapses are repairable in the modern era of reconstructive surgery.** Castillo JG, Anyanwu AC, El-Eshmawi A, Adams DH. *European Journal of Cardio-Thoracic Surgery* 2013; 1–7.
- 8- **Emergency valve re-replacement for embolization of prosthetic mitral valve disc during catheterization procedure.** Pawale A, El-Eshmawi A, Tang GH, Ellozy SH, Anyanwu AC. *Ann Thorac Surg* 2013; 95:1784 –7.
- 9- **Early rupture of an expanded polytetrafluoroethylene neochord after complex mitral valve repair: an electron microscopic analysis.** Castillo JG, Anyanwu AC, El-Eshmawi A, Gordon RE, Adams DH. *J Thorac Cardiovasc Surg* 2013;145:e29-31.
- 10- **Mitral Annular Calcification: Respect as a Surgical Strategy (VIDEO)** A. El-Eshmawi, F. Milla, A. C. Anyanwu, J. G. Castillo, D. H. Adams
Department of Cardiothoracic Surgery, The Mount Sinai School of Medicine, New York, NY, USA, presented in the AATS Mitral Conclave 13th meeting.

Ongoing research; Participation of various clinical research on cardiac valve surgery and heart failure surgery at Mount Sinai Cardiothoracic surgery department.

PROFESSIONAL MEMBERSHIPS & LICENSING

Egyptian society of cardiothoracic surgeons.
Heart valve society of North America.
NY state medical board limited permit in medicine.
Medical board of California postgraduate training authorization letter (PTAL)

Interests, languages, Vias status, Biographical data

Health care of patients in underserved areas with poor access to cardiac surgery.
Languages; Arabic, English, German.
NY state 30 waiver program granted.
Date of birth; May 9th 1976. Egypt.
Married and has 2 kids.

REFERENCE

- 1-Prof. David Adams;** Chief and Program Director;
Cardiothoracic surgery department at Mount Sinai Medical Center, New York.
David.Adams@mountsinai.org

- 2- Dr. Anelechi C Anyanwu;** Director of heart and heart lung transplantation, Mechanical Circulatory Assist Devices at Mount Sinai Medical Center.
Anelechi.Anyanwu@mountsinai.org

- 3- Prof. Michael Weyand;** Chief of Cardiac Surgery Center, Freidrich Alexander University, Erlangen, Germany.
michael.weyand@ uk-erlangen.de

- 4- Prof. Ibrahim Khadragui;** Chief Cardiothoracic surgery department, Alexandria University, Egypt.
Ikhadragi@hotmail.com

- 5-Prof. Leonard Bailey;** Surgeon in chief, Loma Linda, California.
lbailey@llu.edu