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Date of birth: 12-10-1976

Heba Mahmoud El-Naggar, MSc, MD

Summary of qualifications:

- September 2001
 - **MBBCH, Faculty of Medicine, Assiut University, Assiut, Egypt.**
Signed up Excellent (Cum Laude).
- 25/6/2006
 - **M.Sc. in Cardiology, Assiut University Hospital, Assiut, Egypt.**
Thesis entitled: "Comparative study between enoxaparin and unfractionated heparin in patients with STEMI receiving thrombolytic therapy, In-hospital study."
- 16/11/2009- 01/01/2012
 - **Fellowship of Non-invasive Cardiac imaging, Leiden University Medical Center (LUMC), Leiden, the Netherlands.**
- 07/2013
 - **MD in Cardiology, Assiut University Hospital, Assiut, Egypt.**
Thesis entitled: "Role of real-time 3D echocardiography and Tissue Doppler imaging techniques in selection, optimization and monitoring of patients undergoing cardiac resynchronization therapy."

Education:

- 1982-1994
 - **Primary and high school education in Salam Language School, Assiut, Egypt.**
- 1995-2001
 - **MBBCH, Faculty of Medicine, Assiut University, Assiut, Egypt.**
- 2007
 - **International Computer Driving License (ICDL).**
- 2008
 - **Test of English as a Foreign Language (TOEFL- iBT) with score of 96.**

Professional record:

- **Internship-** Assiut University Hospital from 01/03/2001 to 28/02/2002.
- **Cardiology Resident-** Assiut University hospital from 01/03/2002 to 29/02/2005.
- **Demonstrator-** Assiut University Hospital from 01/03/2005 to 25/06/2006.

- **Assistant lecturer of Cardiology-** Assiut University Hospital from 7/2006 to 07/2013.
- **Clinical and research Fellow of Cardiac Imaging- Leiden University Medical Center** from 16/11/2009 till 01/01/2012. Working with Prof. Jeroen J. Bax, Professor of Cardiology and Director of Non-invasive Imaging, Dept. of Cardiology- Leiden University Medical Center.
- **Lecturer of Cardiology-** Assiut University hospital from 09/2013 till the present time.

Languages:

- **Arabic** (mother language)
- **English** (Fluent- Proficiency)

Clinical and Investigatory skills:

CLINICAL PRACTICE:

- All primary and advanced skills concerning diagnosis and management of cardiovascular emergencies and advanced cardiopulmonary resuscitation including temporary pacemaker implantation.
- Managing cases of ischemic, rheumatic and congenital heart diseases, rhythm disturbances and hypertension in out- patient clinic of Cardiology department in Assiut University Hospital.

INVESTIGATORY SKILLS:

- Experience in the field of non-invasive cardiac imaging techniques and research, including acquisition, post-processing and analysis of 2D and 3D echocardiography, tissue Doppler and speckle tracking imaging techniques and computed tomography coronary angiography during my training period at Leiden University Medical Center.
- Assistance in performing diagnostic coronary angiography for diagnosis of coronary artery diseases and diagnostic cardiac catheterization for congenital heart disease.

INTERVENTIONAL SKILLS:

- Assistance of almost all types of interventional Coronary catheterization
- Assistance in all electrophysiological procedures including permanent pacemaker implantation and accessory pathway ablations.
- Assistance in therapeutic catheterization in rheumatic mitral valve stenosis & congenital pulmonary stenosis.

Professional membership and fellowship:

- Membership of the Egyptian society of Cardiology (EgySC).
- Membership of the European society of Cardiology (ESC).
- Membership of the European Association of Cardiovascular Imaging (EACVI).
- Clinical and research fellowship of Non-invasive cardiac imaging at Leiden University Medical Center, Leiden, the Netherlands.

Scientific Publications:

- Thesis for fulfillment of master degree M.Sc. in cardiology entitled "Comparative study between enoxaparin and unfractionated heparin in patients with STEMI receiving thrombolytic therapy, In-hospital study."
- Thesis for partial fulfillment of MD degree in Cardiology entitled "Role of real-time 3D echocardiography and Tissue Doppler imaging techniques in selection, optimization and monitoring of patients undergoing cardiac resynchronization therapy."
- Abstract entitled " Comparative study between enoxaparin and unfractionated heparin in patients with STEMI receiving thrombolytic therapy, In-hospital study.", presented and accepted in 33rd annual meeting of the Egyptian society of Cardiology held on February 2006
- Feasibility of diastolic function assessment with cardiac CT: feasibility study in comparison with tissue Doppler imaging. *JACC Cardiovasc Imaging*. 2011 Mar;**4(3):246-56**. Boogers MJ, van Werkhoven JM, Schuif JD, Delgado V, El-Naggar HM, Boersma E, Nucifora G, van der Geest RJ, Paelinck BP, Kroft LJ, Reiber JH, de Roos A, Bax JJ, Lamb HJ.
- Automated Quantification of Coronary Plaque with Computed Tomography: Comparison with IVUS using a Dedicated Registration Algorithm for Fusion-Based Quantification. *Eur Heart J* 2012 Apr;**33(8):1007-16**. Boogers MJ, Broersen A, van Velzen JE, El-Naggar HM, Kitslaar PH, Dijkstra J, de Roos A, Jukema JW, Schaliq MJ, Reiber JHC, Bax JJ, Schuif JD.
- Diagnostic performance of pocket-size ultrasound system for fast-track evaluation of cardiac structural heart disease. (Abstract presented at the ESC congress 2011. *Eur Heart J Supplements* 2011). El-Naggar HM, Abate E, Ajmone-Marsan N, Homan ER, van der Wall EE, Bax JJ, Delgado V.
- Automated quantitative coronary computed tomography correlates of myocardial ischaemia on gated myocardial perfusion SPECT. *Eur J Nucl Med Mol Imaging*. 2013 Aug;**40(8):1171-80**. Heba M. El-Naggar, MD*; Michiel A. de Graaf*; Mark J. Boogers, MD PhD; Caroline E. Veltman, MD; Alexander Broersen, PhD; Pieter H. Kitslaar, MSc; Jouke Dijkstra, PhD; Lucia J. Kroft, MD, PhD; I Al Younis, MD; Johan H. Reiber, PhD; Jeroen J. Bax, MD, PhD; Victoria Delgado MD, PhD; Arthur J. Scholte, MD, PhD.
- Evaluation of LV systolic function using automated angle-independent motion tracking of mitral annular displacement in varying image quality. (Ongoing research).
- Correlation between automated angle-independent motion tracking of mitral annular displacement and global longitudinal strain of the left ventricle. (Ongoing research).

Scientific & Educational attendances and contributions:

- Leiden Cardiology Course 2010, 2011
- Course on "Basic methods and reasoning in biostatistics", LUMC- December 14-18 2009
- First European Scientific Meeting of the Society of Cardiovascular Computed Tomography. LUMC- February 2010
- Advanced training course on 3D trans-esophageal echocardiography: acquisition and analysis, LUMC- March 2011
- Poster presentation at the European Society of Cardiology conference, August 2011- Paris. "Diagnostic performance of pocket-size ultrasound system for fast-track evaluation of cardiac structural heart disease."

References:

1- Prof. Jeroen J. Bax, MD, PhD, FESC

Professor of Cardiology, Leiden University Medical Center, Leiden, the Netherlands.

President-elect of ESC

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2- Dr. Victoria Delgado, MD, PhD, FESC

Cardiologist, Leiden University Medical Center, Leiden, the Netherlands.

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