

CURRICULUM VITÆ

DR. MED.

MOHAMED YOUSSEF MOHAMED

ABD EL RAHMAN

PERSONAL DATA:

Last name: Abd El Rahman

First name: Mohamed Youssef Mohamed

Birth date: 29/07/1967

Nationality: Egyptian

Marital status: Married and have 2 Children

Family:

Father: Prof. Dr. Youssef Abd El Rahman (Cairo Uni.)

Mother: Samia Abd EL Azim El Gohlmy

Wife: Professor Dr. Heba Abou Elew (Prof. of Clinical Pathology Cairo University)

First Child: Aya, born on 28.02.1999 in Berlin

Second Child: Youssef, born on 09.06.2003 in Berlin

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School:

1971-1985: International German school (DEO)

1985-1991: Medical school, Cairo University (graduated grades Excellent with honor)

PROFFESIONAL QUALIFICATION:

- 1995:** **Master Degree** of Pediatrics, M.Sc. of Pediatrics,
Cairo University,
- 1999:** **“Facharzt of pediatrics”**, Ärzte Kammer Berlin
- 2001:** **MD Degree** of Pediatrics, Cairo University.
- 2004:** **“Facharzt of Pediatric Cardiology”**, Ärzte Kammer Berlin

THESIS:

Title: Evaluation of right ventricular function following corrective surgery of Tetralogy of Fallot.

Year and place of acceptance: 2003 from Hombuldt University Berlin

Degree: Cum laude

Membership of learned societies:

- Member of the German society of pediatric cardiology (DGPK).
- Member of the Egyptian society of peadiatric cardiology

EMPLOYMENT'S RECORD.

March 1991- March 1992:	"House-officer" , Kasr El Ainy Hospital", Cairo University.
March 1992 - March 1996:	"Resident of Pediatrics" , "New Children Hospital", Cairo University.
March 1996 - July 1997:	"Assistant Lecturer" , of Pediatrics Cairo University.
August 1997 - May 1998:	"Clinical & research fellow" German Heart center Munich
May 1998 – Dec. 1999:	"Clinical & research fellow" German Heart center Berlin
Dec.1999 –Nov.2002:	"Assistant Lecturer" , of Pediatrics, Cairo University.
Nov.2002 – Nov.2004:	"Clinical and research fellow" , German Heart center Berlin
Nov. 2004 – Dec. 2006:	"Lecturer of Pediatrics &Pediatric Cardiology" Cairo University
January 2007- December2011:	"Consultant of Pediatric Cardiology" King Saud Medical city & Al Yamamah Hospital (Riyadh, KSA)
December 2011 – June 2013:	"Clinical and research fellow" Pediatric cardiology unit of Homburg Germany
June 2013-till now	Assistant Professor of Pediatrics and Pediatric Cardiology

CLINICAL INTERESTS AND EXPERTISE

- Diagnostic transthoracic, and transesophageal echocardiography for congenital heart defects in infants, children and adults with growing up congenital heart disease.
- Assessment of regional and global ventricular function using conventional and non-conventional echocardiography modalities including Tissue Doppler Imaging (TDI), 2D Speckle tracking Echocardiography (2D-STE) and 3D Speckle tracking Echocardiography (3D-STE).
- Assessment of ventricular asynchrony and the therapeutic visibility of biventricular pacing.
- Evaluation of right ventricular function specially after surgical repair of tetralogy of Fallot using 3-D Echocardiography and MRI.
- Early recognition of diastolic dysfunction and assessment of atrial function.
- Recognition of cardiac transplant rejection and cardiac transplant vasculopathy using conventional and non-conventional echocardiography.
- Full range of diagnostic transcatheter procedures in infants, children with congenital cardiac malformations.

OTHER SCIENTIFIC ACTIVITIES

- Member of the research group:
 - Effect of bosentan therapy on ventricular and atrial function in adults with congenital heart disease and Eisenmenger syndrome. A prospective, multi-center study using conventional and Speckle tracking echocardiography''. A study sponsored by the Competence Network for Congenital Heart Defects funded by the Federal Ministry of Education and Research (BMBF) and by an unrestricted grant by Actelion Pharmaceuticals Deutschland GmbH.
 - Effect of surgical and catheter intervention on the ventricular function following surgical correction of tetralogy of Fallot. A prospective, multi-center study using conventional and Speckle tracking echocardiography''. A study sponsored by the Competence Network for Congenital Heart Defects funded by the Federal Ministry of Education and Research (BMBF).

- Effect of cardiac resynchronization therapy on ventricular function among patients with congenital heart disease. A prospective, multi-center study using conventional and Speckle tracking echocardiography´. A study sponsored by the Competence Network for Congenital Heart Defects funded by the Federal Ministry of Education and Research (BMBF)

Supervisor of the following post-doctoral theses:

* Noninvasive evaluation of the right atrial performance in patients with atrial septum defect with secundum type and in patients with corrected tetralogy of Fallot using 2-D echocardiography and tissue Doppler imaging. Freie University Berlin, 2004. Author Hui Wei

* Evaluation der Vorhoffunktion mit Hilfe der Gewebedoppler-Echokardiographie bei Patienten mit angeborenen Herzfehlern nach verschiedenen chirurgischen Operationsverfahren. Charit´e University Berlin. Author Fatima Lunze.

List of Publications:

Accepted papers:

1- The relation between right ventricular enlargement, QRS duration, and right ventricular function in patients with tetralogy of Fallot and pulmonary regurgitation after surgical repair

Abd El Rahman MY, Abdul-Khaliq H, Vogel M, Alexi-Meskishvili V, Gutberlet M, Lange PE.

Heart 2000; 84:416-420.

2- Value of the new Doppler-derived myocardial performance index for the evaluation of right and left ventricular function following repair of tetralogy of Fallot.

Abd El Rahman MY, Abdul-Khaliq H, Vogel M, Alexi-Meskishvili V, Gutberlet M, Lange PE.

Pediatr Cardiol 2002; 23:502-7

3- Quantitative analysis of the the right atrial performance in patients after surgical repair of tetralogy of Fallot

Hui W MD, **Abd El Rahman MY** MD, Abdul-Khaliq H MD PhD, Dsebissowa F MD, Rentzsch A MD,

Gutberlet M PhD, Alexi-Meskishvili V MD PhD, Hetzer R MD PhD, Lange PE MD PhD.

Cardiology in the Jung 2004; 14:520-6.

4- Detection of left ventricular asynchrony in patients with right bundle branch block after repair of tetralogy of Fallot using tissue Doppler imaging derived strain

Abd El Rahman MY, MD, Wei Hui, MD, Moustafa Yigitbasi, MD, Fatima Dsebissowa, MD, Stephan

Schubert, MD, Roland Hetzer, MD PhD, Peter E Lange, MD PhD, Hashim Abdul-Khaliq, MD PhD

J Am Coll Cardiol. 2005; 45:915-21.

5- Letter regarding article by Thambo et al, "Detrimental ventricular remodeling in patients with congenital complete heart block and chronic right ventricular apical pacing".

Abdul-Khaliq H, **Abd El Rahman MY**, Hui W.

Circulation. 2005; 112:e70; author reply e70..

6- Assessment of myocardial function of the systemic right ventricle in patients with D-transposition of the great arteries after atrial switch operation by tissue Doppler echocardiography.

Rentzsch A, **Abd El Rahman MY**, Hui W, Helweg A, Ewert P, Gutberlet M, Lange PE, Berger F, Abdul-Khaliq H.

Z Kardiol. 2005; 94:524-31.

7- Analysis of atrial and ventricular performance by tissue Doppler imaging in patients with atrial septal defects before and after surgical and catheter closure.

Echocardiography. 2005; 22:579-85.

Abd El Rahman MY, Hui W, Timme J, Ewert P, Berger F, Dsebissowa F, Hetzer R, Lange PE, Abdul-Khaliq H.

Echocardiography. 2005 Aug;22(7):579-85.

8- Comparison of modified short axis view and apical four chamber view in the evaluation of right ventricular function after repair of tetralogy of Fallot

Hui W, **Abd El Rahman MY**, Dsebissowa F, Gutberlet M, Alexi-Meskishvili V, Hetzer R, Lange PE, Abdul-Khaliq H

Int J Cardiol. 2005; 105:256-61.

9- Quantitative Analysis of Paradoxical Interventricular Septal Motion Following Corrective Surgery of Tetralogy of Fallot

Abd El Rahman MY, MD, Hui W, MD, Abdul-Khaliq H, MD PhD, Dsebissowa F, MD, Schubert S, MD, Gutberlet M, PhD, Hetzer R, MD PhD, Lange PE, MD PhD.

Pediatr Cardiol. 2005; 26:379-84.

10- Comparison of the tissue Doppler derived Left ventricular Tei-index to that obtained by pulse Doppler in patients with congenital and acquired heart disease

Abd El Rahman MY, MD, Wei Hui, MD, Hashim Abdul-Khaliq, MD, PhD, Fatima Dsebissowa, MD, Schubert S, MD, Hübler M, MD, Roland Hetzer, MD, PhD, Peter E. Lange, MD, PhD.

Pediatr Cardiol. 2005; 26:391-5.

11- Advantages of C2 monitoring to avoid acute rejection in pediatric heart transplant recipients.

Schubert S, Abdul-Khaliq H, Lehmkuhl HB, Hubler M, **Abd El Rahman MY**, Miera O, Ewert P, Weng Y, Wei H, Krudewagen B, Hetzer R, Berger F.

J Heart Lung Transplant. 2006; 25:619-25.

13- Pulmonary regurgitation is a powerful factor influencing QRS duration in patients after surgical repair of tetralogy of Fallot. A Magnetic Resonance Imaging (MRI) study.

M. Grothoff, B. Spors, H. Abdul-Khaliq, M. Abd El Rahman, V. Alexi-Meskishvili, P. Lange, R. Felix, M.

Gutberlet

Clin Res Cardiol 2006; 95:643–649.

12- Preserved regional atrial contractile function following extra-atrial rather than intra-atrial type Fontan operation : A tissue Doppler imaging study.

Lunze FI, Hui W, **Abd El Rahman MY**, Alexi-Meskishvili V, Hetzer R, Lange PE, Berger F, Abdul-Khaliq H

Clin Res Cardiol. 2007; 96:264-71.

13- Assessment of regional atrial function in patients with hypertrophic cardiomyopathies using tissue Doppler imaging.

Telagh R, Hui W, **Abd El Rahman M**, Berger F, Lange PE, Abdul-Khaliq H.

Pediatr Cardiol. 2008; 29:301-8.

14- Letter by Abdul-Khaliq et al regarding article, "Right ventricular mechanics and QRS duration in patients with repaired tetralogy of Fallot: implications of infundibular disease".

Abdul-Khaliq H, Rentzsch A, Schuck R, **Abd El-Rahman MY**.

Circulation. 2008 ; 117:e300; author reply e301.

15- Unusual cause of cyanosis

Abd El Rahman MY, Al Qurashi MM, Al Khalifeh FA

J Saudi Heart Assoc. 2011; 231:45-7.

15- Regional analysis of the longitudinal systolic function of the right ventricle following corrective surgery of tetralogy of Fallot using the myocardial Isovolumetric acceleration index''

Abd El Rahman MY, Hui W, Schuck R, Rentzsch A, Berger F, Gutberlet M, Abdul-Khaliq H.

Pediatr Cardiol. 2013; 34:1848-53.

16- Diastolic asynchrony and myocardial dysfunction in patients with univentricular heart after Fontan operation.

Wei Hui, • Mohamed Y. Abd El Rahman, • Rita Schuck, • Axel Rentzsch, • Moustafa Yigitbasi, • Stanislav Ovroutski, • Fatima Lunze, • Felix Berger, Hashim Abdul-Khaliq

J Echocardiogr 2013; 11:130–137

17- Altered Right Ventricular Function in the Long-Term Follow-up Evaluation of Patients After Delayed Aortic Reimplantation of the Anomalous Left Coronary Artery From the Pulmonary Artery.

Schuck R, **Abd El Rahman MY**, Rentzsch A, Hui W, Weng Y, Alexi-Meskishvili V, Lange PE, Berger F, Abdul-Khaliq H

Pediatr Cardiol. 2014 Mar;35(3):530-5.

18- Effect of bosentan therapy on ventricular and atrial function in adults with Eisenmenger syndrome. A prospective, multicenter study using conventional and Speckle tracking echocardiography.

Abd El Rahman MY, Rentzsch A, Scherber P, Mebus S, Miera O, Balling G, Böttler P, Dubowy KO, Farahwaschy B, Hager A, Kreuder J, Peters B, Berger F, Schulze-Neick I, Abdul-Khaliq H

Clin Res Cardiol. 2014 Mar 30

