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Innovative therapies for optimizing outcomes of coronary artery disease

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Acknowledgement

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The Cardiology department at LUMC, with its outstanding internationally acclaimed experts, was really a unique experience to me. Here I had the opportunity to expand my knowledge and training skills in interventional cardiology and to fulfill my research ambitions. Thanks for all the support.

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Curriculum Vitae

CURRICULUM VITAE

Tarek Abdel-Hameed Nagib Ahmed, MD, MSc

T. A. N. Ahmed was born on August 29, 1976 in Asyut, Egypt. After having been awarded his high school diploma by Al-Salam Language School, he started studying medicine at Asyut University-Asyut-Egypt from which he graduated, cum laude, in 2000, and was awarded the prize for the best undergraduate achievement in internal medicine. He received his cardiology training in the same University and completed it in 2005; he had his master degree in Cardiology in the same year including a master thesis entitled "Added value of tissue Doppler imaging during low dose dobutamine echocardiography in the assessment of myocardial viability". Since then he has been working as an assistant lecturer of Cardiology at Asyut University Hospital, where he was fully involved in the clinical duties of the department with its various units, as well as teaching medical students of the Faculty of medicine- Asyut University. In 2009 he was granted a scholarship for Ph.D. studies from the Egyptian Ministry of Higher Education. Since July 2009 and still, he joined Leiden University Medical Center (LUMC) in the Netherlands for clinical and research training in interventional cardiology under the supervision of Professors J. Wouter Jukema and M.J. Schalij. During his fellowship he was fully involved in the interventional procedures held out in the catheterization laboratories of LUMC, as an assistant and then as a primary operator building up a growing experience in interventional cardiology. He also received training courses in the fields of percutaneous valvular interventions including, percutaneous aortic valve implantations (TAVI), and percutaneous mitral valve interventions and he is currently participating in these procedures at the LUMC.

Interventional experience

- Diagnostic coronary angiograms: over 1200 cases (first operator).
- Right heart catheterizations: over 50 cases (first operator).
- Percutaneous coronary interventions: over 900 cases (first operator).
- Primary percutaneous coronary interventions: over 170 cases (first operator).
- Radial percutaneous coronary procedures: over 30 cases (first operator)
- Rotablation, intra-aortic balloon pump insertion, aortic valve dilatation, ASD/PFO closure, septal ablation for HOCM, pericardial puncture, heart biopsies: about 80 cases (first and second operator).
- Intra-myocardial stem cell injection and ventricular mapping: over 40 cases (second operator).
- Transcatheter aortic valve implantation; transfemoral and transapical: about 15 cases (second operator).

Scientific attendances and contributions

- Poster presentation at the American College of Cardiology conference, April, 2011- New Orleans- Louisiana.
- Two oral presentations at the Euro-PCR conference, May, 2011- Paris.
- Poster presentation at the European society of Cardiology conference, August, 2011- Paris.
- Leiden Cardiology Course 2010, 2011.
- Course on "Basic methods and reasoning in biostatistics", LUMC- December 14-18, 2009
- Advanced course in biostatistics "Regression analysis: statistical model building", LUMC- May 17-21, 2010.
- "Percutaneous transcatheter aortic valve implantation" training program on June 15-16, 2011.
- "Percutaneous Mitral Valve Repair: Multidisciplinary Team Training", on June 9-10, 2011.

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List of Publications

LIST OF PUBLICATIONS

- **Tarek A.N. Ahmed, MD;** Amro A. Yousef, MD, PhD; Hossam I. Kandil, MD, PhD; Samir S. Abdel-Kader, MD, PhD. Added value of tissue Doppler imaging during low dose dobutamine echocardiography in the assessment of myocardial viability. Thesis for partial fulfillment of the Master degree in Cardiology in 2005
- **Tarek A. N. Ahmed, MD;** Jael Z. Atary, MD; Ron Wolterbeek, MD; Hosam Hasan-Ali, MD, PhD; Samir S. Abdel-Kader, MD, PhD; Martin J. Schalij, MD, PhD; and J. Wouter Jukema, MD, PhD. Aspiration thrombectomy during primary percutaneous coronary intervention as adjunctive therapy to early (in-ambulance) abciximab administration in patients with acute ST elevation myocardial infarction: An analysis from Leiden MISSION! Acute Myocardial Infarction Treatment Optimization Program. *J Interven Cardiol* 2011 Nov 8 [Epub ahead of print]
- **Tarek A. N. Ahmed, MD;** Suzanne C. Cannegieter, MD, PhD; Arnoud van der Laarse, PhD; Martin J. Schalij, MD, PhD; J. Wouter Jukema, MD, PhD. Pre-infarction angina predicts thrombus burden in patients admitted for ST-segment elevation myocardial infarction. *Submitted for publication*
- **Tarek A. N. Ahmed, MD;** Sandrin C. Bergheanu, MD; Theo Stijnen, PhD; Josepha W.M. Plevier, MA; Paul H.A. Quax, MD, PhD; and J. Wouter Jukema, MD, PhD. Clinical performance of drug eluting stents with Biodegradable polymeric coating, a meta-analysis and systematic review. *EuroIntervention* 2011; Aug; 7(4):505-16
- **Tarek A. N. Ahmed, MD;** Ioannis Karalis, MD; and J Wouter Jukema, MD, PhD. Emerging drugs for coronary artery disease. From past achievements and current needs to clinical promises. *Expert Opin Emerg Drugs*. 2011 Jun;16(2):203-233
- J.Wouter Jukema, MD; PhD; Jeffrey J. W. Verschuren, MD; **Tarek A. N. Ahmed, MD;** Paul H. A. Quax, MD, PhD. Restenosis after PCI- Part I: pathophysiology and risk factors. *Nat Rev Cardiol*. 2011 Sep 13 [Epub ahead of print]
- J.Wouter Jukema, MD; PhD; **Tarek A. N. Ahmed, MD;** Jeffrey J. W. Verschuren, MD; Paul H. A. Quax, MD, PhD. Restenosis after PCI- Part II: prevention and therapy. *Nat Rev Cardiol* 2011 Oct 11 [Epub ahead of print]
- **Tarek A. N. Ahmed, MD;** Joannis Karalis, MD; J. Wouter Jukema, MD, PhD. Late acquired stent malapposition: why, when and how to handle? *Heart (In press)*
- Jeffrey J. W. Verschuren, MD; **Tarek A. N. Ahmed, MD;** Joannis Karalis, MD; Paul H. A. Quax, MD; PHD; and J. Wouter Jukema; MD, PHD. Late stent malapposition in the bare metal stent and drug eluting stent era. *Book Chapter In: Coronary Stent Restenosis (eds. Tintoiu IC, Popma JJ, Bae J-H, Rivard A, Galassi AR, Gabrie C. – Bucharest: The Publishing House of the Romanian Academy, 2011, ISBN 978-973-27-2034-9. Chapter 16)*

