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Novel insights in reperfusion therapy and stent thrombosis in the drug eluting stent era

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To the sole of my great mother, to whom I owe my existence.

Ayman Khairy Mohamed Hassan
2009

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Personal information

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Current occupation

- Interventional Cardiology Fellow at LUMC, Leiden, the Netherlands.
- Associate Lecturer of Cardiology, Assiut University, Assiut, Egypt.

Languages

- Arabic (mother language)
- English (fluent written and spoken)
- Dutch (as a second foreign language)

Education

- **M.B.B.Ch in medicine and surgery** in 1999, Faculty of Medicine, Assiut University, Assiut, Egypt.
- **Master Degree (M.Sc) in Cardiology** on 28/11/2004 from Assiut University, Assiut, Egypt.

Summary of qualifications

- **Official instructor at the European Resuscitation Council** (certificate awarded in September 2001)
- **ICDL (International computer driving license)** in 2005.

- **Bio-statistics and research methodology course in October 2005** from Assiut University, Assiut, Egypt.
- **Advanced course in Bio-statistics (Regression analysis: statistical model building)** in 2007 at LUMC.

Professional record

- **House officer** in Assiut University Hospital from 1/03/2000 to 28/02/2001.
- **Resident (Registrar)** in Assiut University hospital from 01/03/2001 to 29/02/2004.
- **Demonstrator** from 01/03/2004 to 30/11/2004 in Assiut University Hospital
- **Associate lecturer** from 12/2004 till the present time.
- **Interventional cardiology fellow at LUMC, Leiden the Netherlands** from 1/2007 till 1/2009.

Clinical Experience

Cardiac Cath Lab Experience (as of January 2009):

- Percutaneous coronary interventions: over 800 (first operator)
- Acute myocardial infarctions: over 150 cases (first operator)
- Right heart catheterizations: over 150 cases (first operator)
- Diagnostic angiograms: over 1000 angiograms (first operator)
- Radial diagnostic and interventional procedures: over 100 cases (first operator)
- Temporary pacemakers: over 100 cases (first operator)
- Heart biopsies: approximately 10 cases (second)
- Stem cell injection and ventricular mapping: approximately 20 cases (second)
- Rotablation, balloon pump insertion, septal ablation, pericardial puncture: over 100 cases (first and second operator)
- Permanent pacemaker implantation, electrophysiological study and pathway ablation (second operator)

Clinical Cardiology Experience During Residency and Fellowship:

- Intensive care of 15 beds: Four-year experience as resident and chief resident
- Cardiac ward of 20 beds: Four-year experience as resident and chief resident
- Echocardiography: Three-year experience with echo (400 cases) and trans-oesophageal echo (50 cases)
- Treadmill tests: Three-year experience

Attendance

- European society of cardiology 2008 (2 oral presentations)
- Transcatheter Cardiovascular Therapeutics 2008 (2 electronic presentations)

Membership / Fellowship

- Egyptian Society of Cardiology 2004 - present
- European Society of Cardiology 2008
- European Association of Percutaneous Cardiovascular Interventions 2008

Duties (2004 – present)

1. Teaching clinical skills during clinical rounds to undergraduate medical students of 4th, 5th, and 6th year of Faculty of Medicine in Assiut University.
2. Out-patient clinic and regular shifts in the CCU of cardiology department, Assiut

University.

3. PhD program at LUMC under the title of "Novel insights in reperfusion therapy and stent thrombosis in the drug eluting stent era" started in 2007.

List of publications

120

- Thesis for partial fulfilment for the Master degree in Cardiology under the title of "Diagnostic and Prognostic Values of Troponin-T in Unstable Coronary Artery Disease". In 2004
- **A.K.H. Hassan**, S.S. Liem, F. van der Kley, S.C. Bergheanu, R. Wolterbeek, Jan Bosch, A. van der Laarse, D.E. Atsma, J.W. Jukema, M.J. Schalij. In-ambulance abciximab administration in STEMI patients undergoing primary PCI is associated with smaller infarct size, improved LV function and lower incidence of heart failure. (ESC 2008) *Eur Heart J*. 2008;29 Supplement:136
- **A.K.H. Hassan**, J.W. Jukema, H. Hasan-Ali, A. van der Laarse, R. Wolterbeek, D.E. Atsma, M.J. Schalij. Incidence, patient's characteristics and predictors of aborted myocardial infarction in patients undergoing primary PCI: prospective study comparing pre- and in-hospital abciximab pre-treatment. *Eurointerv*. (in press)
- **A.K.H. Hassan**, J.W. Jukema, H. Hasan-Ali, A. van der Laarse, R. Wolterbeek, D.E. Atsma, M.J. Schalij. Aborted myocardial infarction in patients undergoing primary PCI: long term outcomes. Submitted for publication
- **A.K.M. Hassan**, S.C. Bergheanu, T. Stijnen, B.L. van der Hoeven, M.J. Schalij, J.W. Jukema. The risk of late stent malapposition is higher after drug-eluting stent compared to bare-metal stent implantation and is associated with late stent thrombosis: meta-analysis and systematic review. *Eur Heart J*. (in press)
- **A.K.H. Hassan**, S.C. Bergheanu, H. Hasan-Ali, S.S. Liem, A. Van Der Laarse, R. Wolterbeek, D.E. Atsma, M.J. Schalij, J.W. Jukema. Usefulness of Peak Troponin-T to Predict Infarct Size and Long- Term Outcome in Patients with First Acute Myocardial Infarction after Primary Percutaneous Coronary Intervention *Am J Cardiol*. (in press)