# CURRICULUM VITAE (CV)

**I- PERSONAL DETAILS**

|  |  |
| --- | --- |
| **Hassan**  | **Surname** |
| **Ayman Khairy Mohamed** | **Other names** |
|  | **Title** Dr.  |
|  Male  | **Gender** |
|  **13**  <http://scholar.google.com.eg/citations?user=FZteV9EAAAAJ&hl=ar&oi=ao> **8** https://www.scopus.com/authid/detail.uri?authorId=25930001100 | **H-index (scoops)** |
| 825 | **Total citation**  | 25930001100 | **Scoops ID** |
| Cardiology department, Assiut University Hospitals , Assiut 71526- EGYPT | **Address** |
| 0020-88-9204682 | **Evening** | 0020-88-2347932 | **Telephone numbers** |
| ayman.hassan@aun.edu.eg | **E-mail** | 002019-4438055 | **Mobile** |
| Assiut, EGYPT. | **Place of birth** | **Year****1975** | **Month****11** | **Day****22** | **Date of Birth** |

**II- EDUCATION**

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| --- | --- | --- |
|   **Dates**  |  **Degree obtained** |  **School\College\University\Other** |
| July 2010 | MD in cardiovascular medicine | Faculty of Medicine, Assiut University, Egypt |
| January 2009 | PhD in cardiovascular medicine | Faculty of Medicine, Leiden University , the Netherland***s*** |
|  May 2004 | Master Degree **(M.Sc)**  in Cardiovascular medicine | Faculty of Medicine, Assiut University, Egypt |
| September 1999 | M.B.B.Ch in medicine and surgery | Faculty of Medicine, Assiut University, Egypt |

**III- TRAINING**

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| **Dates** |  **Place** | **Training attended / Technical skills acquired** |
|  2006 - 2009 | Leiden University, the Netherlands | Interventional cardiology fellow |
| 2007 | Leiden University, the Netherlands | Bio-statistics and research methodology course |
|  2001 &renewed 2008 | Assiut University | Official instructor at the European & Egyptian Resuscitation Council |
|  2007till present time | Assiut and Leiden University | ***Cardiac Cath Lab first operator Experience including:**** Percutaneous coronary interventions: over 7500 pt. (including Left main, bifurcation stenting , CTO anti-& retro-grade approach) radial, ulnar approch
* Acute myocardial infarctions (Primary PCI with thrombus aspiration and management): over 2000 pt
 |
|  2001-2010 2010-2020 | Assiut University Heart Hospital  | ***Clinical Cardiology Experience including****:** Intensive care of 34 beds
* Cardiac ward of 119 beds
* Echocardiography (2D, 3D)
* Trans-esophageal ECHO
* Treadmill tests
* CMR, CT
 |
| ***Administrative Experience including:*** |
| 2009 till 9/2012 | Assiut University Hospital | * Executive Director of Assiut university catheterization laboratory
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| 6/2009 till NOW | Assiut University Hospital | * Principal investigator of the (MISSION- ASSIUT) primary PCI project
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|  9/2012 till 3/2015 | Assiut University Hospital | * Vice-chairman of Assiut University Hospitals, Chief of Health Care Quality Unite.
 |
| 2016 – uptill now | Assiut University Heart Hospital | * Vice-director of Assiut University Heart Hospital,

Chief of health care quality unite |
|  2013/2014. | DAAD , Cairo | * **UNILEAD Egypt** program
 |
|  2015 till 2020 | Assiut University Hospital | * Co-PI of (constructing a new health care quality unite at AUH) project funded by 4 million pounds from ministry of higher education (MOHE).
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|  2/2014 till 11/2014 | Assiut University Hospital | * Consultant for “**Patient information and student hospital**

**services kiosks**“ project funded by 75,000 pounds form SESP. |
| 19/9/2019 till 16/10/2021 | Assiut university , cardiology Department | * Principal investigator of (Presentation, Patterns of

Myocardial Damage, and Clinical Course of ViralMyocarditis) **project** Form **STDF** **(ID=26393)** funded by 100,000 pounds |

**IV- EMPLOYMENT HISTORY**

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|  **Dates (from-to)** |  **Position** | **Employer** |
| 9/2016 till now | Assiut University Hospitals | Vice-director of Assiut University Heart Hospital, Chief of Health Care Quality Unite (HCQU), |
| 9/2012 till 2015 | Assiut University Hospitals | Vice-director of Assiut University Hospitals, Chief of Health Care Quality Unite (HCQU), |
| 31/5/2022 till now | Assiut university | **Professor of cardiovascular medicine** |
| 28/2/2017 till 31/5/2022 | Assiut university | Assistant professor of cardiovascular medicine |
| 9/2010 till 27/2/2017 | Assiut University  |  Lecturer of cardiology |
|  6/2009 till 9/2012 | Assiut University |  Executive Directorof Assiut university catheterization laboratory |
|  11/2004 to 8/2010 | Assiut University |  Associate lecturer |
|  3/2004 to 11/2004 | Assiut University | Demonstrator |
| 3/2001 to 3/2004  | Assiut University Hospitals | Resident in Cardiology Department (Registrar) |
|  3/2000 to 2/2001 | Assiut University Hospitals  |  House officer |

**V- MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS**

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|  **Dates (from-to)** | **Professional body Level of membership** |
| April 2015 | International affiliate member in SCAI  |
| 2008 till now | Fellow of European Society of Cardiology |
| 2008 till now | Fellow of European Association of Percutaneous Cardiovascular interventions (EAPCI) |
| 2005 till now  | Membership of the Egyptian Society of Cardiology |
| 2005 till now | Member of the Egyptian Society of Atherosclerosis |
| 2002 till now | Member & Fundador of the Egyptian Resuscitation Council |
| 2002 till now | Member of European Resuscitation Council as an Official instructor |
| 1999 till now | Membership of the Egyptian Medical Syndicate (EMS) |

**VI- FIELDS OF INTEREST & PERSONAL VISION**

* Evidence based Management of acute coronary syndromes and primary angioplasty
* Health care quality and accreditation systems
* Our academic activity as a university staff members is divided into 4 main categories

1- Teaching for undergraduate and postgraduate students

2- Research and innovative activities in the cardiovascular field

3- Administrative activities at the faculty and the hospital

4- Diagnosis and treatment of patients in the hospital

All these activities are intended to be done perfectly with clear personal goals and objectives in a timely bounded manner.

**VII- PUBLICATIONS & PATENTS**

1. Thesis for partial fulfillment for the Master degree in Cardiology. Thesis titled “Diagnostic and Prognostic Values of Troponin-T in Unstable Coronary Artery Disease”. In 2004
2. Thesis for partial fulfillment for the Doctorate degree in Cardiovascular Medicine form Assiut University. Thesis titled “In-Ambulance versus In-Hospital Abciximab in ST Segment Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention: Short Term Outcome”. In 2010
3. Thesis for partial fulfillment for the PhD degree in Cardiovascular Medicine from *Leiden University Medical Center (LUMC), the Netherlands*. Thesis titled “Novel insights in reperfusion therapy and stent thrombosis in drug eluting stents era”. In 2009
4. *Hassan AKM*, Liem SS, van der Kley F, et al. In-Ambulance Abciximab Administration in STEMI Patients Prior to Primary PCI is Associated with Smaller Infarct Size, Improved LV Function and Lower Incidence of Heart Failure: Results from the Leiden MISSION! Acute Myocardial Infarction Treatment Optimization Program. Catheterization and Cardiovascular Interventions 2009;74(2):335-343.
5. *Hassan AKM*., Jukema W., van der Laarse A., Hasan-Ali H., Wolterbeek R., van der Kley F., Spano F., Atsma D., Schalijv M. Incidence, patient’s characteristics and predictors of aborted myocardial infarction in patients undergoing primary PCI: prospective study comparing pre- and in-hospital abciximab pretreatment. EuroInterv. 2009;4:662-668
6. *Hassan AKM*, Bergheanu SC, Stijnen T, van der Hoeven BL, Snoep JD, Plevier JWM, Schalij MJ, and Jukema JW. Late stent malapposition risk is higher after drug-eluting stent compared with bare-metal stent implantation and associates with late stent thrombosis. *Eur Heart J.* 2010: 31(10): 1172-1180.
7. *Hassan AKM,* Bergheanu S, Stijnen T, et al. Late Acquired Stent Malapposition is Higher After Drug-Eluting Stent Compared to Bare-Metal Stent Implantation and is Associated with (Very) Late Stent Thrombosis: Meta-Analysis and Systematic Review. American Journal of Cardiology 2008;102(8A):198I-198I.
8. Bergheanu SC, *Hassan AKM*, Jukema JW. Late stent malapposition: innocent phenomenon or major risk marker? European Heart Journal 2010;31(2):260-261.
9. *Hassan AKM,* Bergheanu SC, Hasan-Ali H, et al. 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. American Journal of Cardiology 2009;103(6):779-784.
10. *Hassan AKM,* Liem SS, van der Kley F, et al. In-ambulance Abciximab Facilitated Primary PCI is Associated with Smaller Enzymatic Infarct Size, Improved LV Function and Lower Incidence of Heart Failure at One Year Clinical Follow-up. American Journal of Cardiology 2008;102(8A):67I-67I.
11. Bergheanu SC, Van der Hoeven BL, *Hassan AKM*, et al. Post-intervention IVUS is not predictive for very late in-stent thrombosis in drug-eluting stents. Acta Cardiologica 2009;64(5):611-616.
12. Hasan-Ali H, Hassan AKM. Tissue-Doppler Assessment of The Changes in Longitudinal Left and Right Ventricular Functions After Percutaneous Mitral Valvotomy. JACC 2011;58(20): B214-B215.
13. Hassan AKM, Hasan-Ali H, Demetry SR, et al. A new femoral compression device compared with manual compression for bleeding control after coronary diagnostic catheterizations. The Egypt Heart J 2013;66(3): 233-239.
14. Othman AAA, Tohamy AM, *Hassan AKM*. (2013) Pulmonary embolism presented by syncope in a low-risk patient: a case report (http://f1000r.es/2au F1000Research 2013, 2:257 (doi: 10.12688/f1000research.2-257.v1)
15. Hassan AKM, Hasan-Ali H, Demetry SR, et al. Early sheath removal after percutaneous coronary intervention using Assiut Femoral Compression Device is feasible and safe. Results of a randomized controlled trial. The Egypt Heart J (2014); in-press. http://dx.doi.org/10.1016/j.ehj.2014.10.003
16. Hassan AKM, Demetry SR and Agban GW. [Can Exercise Capacity Assessed by the 6 Minute Walk Test Predict the](http://dx.plos.org/10.1371/journal.pone.0099035.g002) d[evelopment of Major Adverse Cardiac Events in Patients with STEMI after Fibrinolysis?](http://dx.plos.org/10.1371/journal.pone.0099035.g002) PLoS ONE (2014);9(6):e99035. DOI: 10.1371/journal.pone.0099035
17. abdel Rahman H, Hassan AKM, Abosetta AHS, et al. Increased left atrial stiffness in patients with atrial fibrillation detected by left atrial speckle tracking echocardiography. The Egyptian Heart Journal. The Egypt Heart J (2015); in-press. [doi:10.1016/j.ehj.2014.11.006](http://dx.doi.org/10.1016/j.ehj.2014.11.006)
18. Abdel Ghany M and Hassan AKM. The Relationship between body mass index and severity of coronary artery disease in patients undergoing invasive coronary angiography. Heart Mirror journal(23-2-2014); in-press.
19. Shams-Eddin H, Hassan AKM, Dimitry SR and Mahfouz AK. Predicting Contrast Induced Nephropathy Post Coronary Intervention: a Prospective Cohort Study. The Egypt Heart J (2015); http://dx.doi.org/10.1016/j.ehj.2015.02.001.
20. Abdel-Aziz MI, Sayed Ali MA, Hassan AKM and Elfaham TH. Factors influencing warfarin response in hospitalized patients. Saudi Pharmaceutical Journal (2015); http:// dx.doi.org/10.1016/j.jsps.2015.02.004.
21. Abdel-Aziz MI, Sayed Ali MA, Hassan AKM and Elfaham TH. Warfarin-drug interactions: an emphasis on influence of polypharmacy and high doses of amoxicillin/clavulanate. The Journal of Clinical Pharmacology (Accepted 29 June 2015), DOI 10.1002/jcph.583
22. EL-Halawany HSM and Hassan AKM. Improving auscultatory proficiency using computer simulated heart sounds: Fifth-year medical students, Assuit University. Submitted
23. Hassan AKM et al. Radial artery anomalies in patients undergoing transradial coronary procedures – An Egyptian multicenter experience, The Egypt Heart J (2015), <http://dx.doi.org/10.1016/j.ehj.2015.07.001>
24. Demographic features and prevalence of myocarditis in patients undergoing transarterial endomyocardial biopsy for unexplained cardiomyopathy. Ayman K.M. Hassan, Doaa Ahmed Fouad,Abeer Refaiy. Oct 2016 · Egyptian Heart Journal
25. Novel strategy in endovascular treatment of coronary steal using histoacryl®. Tarek A.N. Ahmed · Ayman K.M. Hassan, Moustafa H.M. Othman, Yehia T. Kishk . Sep 2016 · Egyptian Heart Journal
26. Cardioprotective effect of atorvastatin alone or in combination with remote ischemic preconditioning on the biochemical changes induced by ischemic/reperfusion injury in a mutual prospective study with a clinical and experimental animal arm: Ehab S. EL Desoky,Ayman K.M. Hassan, Amira F. Taha. Jul 2016 · International journal of cardiology
27. Hassan, A.K.M., Abd–El Rahman, H., Mohsen, K., Dimitry, S.R. Impact of in-hospital blood pressure variability on cardiovascular outcomes in patients with acute coronary syndrome. Journal of Clinical Hypertension. 2017; 19(12), pp. 1252-1259.
28. Hassan, A.K.M., Abd-El Rahman, H., Hassan, S.G., Ahmed, T.A.N., Youssef, A.A.A..Validity of tortuosity severity index in chest pain patients with abnormal exercise test and normal coronary angiography. Egyptian Heart Journal.2018;70(4), pp. 381-387.
29. Hassan, A.K.M., Mohamed, H.S.E., Mohamed, A.M., Ahmed, T.A.N., Kishk, Y.T..Predictors of no-reflow in patients undergoing primary percutaneous coronary intervention. Thrombus aspiration was protective. Egyptian Heart Journal. 2018;70(4), pp. 421-426.
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31. Hassan, A.K.M., Algowhary, M.I., kishk, A.Y.T., Youssef, A.A.A., Razik, N.A.Cardiac magnetic resonance assessment of mitral regurgitation severity appears better than echocardiographic imaging. International Journal of Cardiovascular Imaging. 2020;36(5), pp. 889-897
32. Al Nooryani, A.A., Abdelrahman, N.A., Helmy, H.A., Kishk, Y.T., Hassan, A.K.M.The role of optical coherence tomography guidance in scaffold versus stent optimization. Egyptian Heart Journal.2020;72(1),77.
33. Alkhateeb, A., Roushdy, A., Hasan-Ali, H., Kishk, Y.T., Hassan, A.K.M.Immediate and short-term biventricular function assessment post-atrial septal defect surgical versus device closure: A comparative two-dimensional speckle tracking study. Progress in Pediatric Cardiology. 2020 (in press)
34. Alkhateeb, A., Roushdy, A., Hasan-Ali, H., Kishk, Y.T., Hassan, A.K.M .The changes in biventricular remodelling and function after atrial septal defect device closure and its relation to age of closure. The Egyptian Heart Journal 2020; 72 (1), 1-10
35. AKM Hassan, EA Mohamed, TAN Ahmed, H Hasan-Ali, SR Demitry. Female predominant coronary tortuosity is related to significant coronary artery disease. A prospective observational study. Journal of Indian College of Cardiology.2019; 9 (4), 216
36. HY Raslan, AKM Hassan, MMM El-Mahdy, TH Elfaham. Prevalence and Risk Factors of Potential Drug Interactions in Hospitalized Cardiovascular Patients Using Three Knowledge Bases. Journal of Advances in Medical and Pharmaceutical Sciences2018; 1-18
37. [Gaber, M.A.](https://www.scopus.com/authid/detail.uri?authorId=57292100800), [Omar, O.H.M.](https://www.scopus.com/authid/detail.uri?authorId=57193492876), [El-Deek, S.E.M.](https://www.scopus.com/authid/detail.uri?authorId=55794253700), ...[Mahmoud, M.S.](https://www.scopus.com/authid/detail.uri?authorId=57219052220), [Meki, A.-R.M.A.](https://www.scopus.com/authid/detail.uri?authorId=55888985800) Copeptin, miRNA-208, and miRNA-499 as New Biomarkers for Early Detection of Acute Coronary Syndrome. Applied Biochemistry and Biotechnology, 2021 (Article in Press)
38. [Alkhateeb, A.](https://www.scopus.com/authid/detail.uri?authorId=57225333828), [Roushdy, A.](https://www.scopus.com/authid/detail.uri?authorId=36195084900), [Hasan-Ali, H.](https://www.scopus.com/authid/detail.uri?authorId=23570614700), [Kishk, Y.T.](https://www.scopus.com/authid/detail.uri?authorId=55518761400), [Hassan, A.K.M.](https://www.scopus.com/authid/detail.uri?authorId=25930001100) Immediate and short-term biventricular function assessment post-atrial septal defect surgical versus device closure: A comparative two-dimensional speckle tracking study. Progress in Pediatric Cardiology, 2021, 60, 101309
39. [Hassan, A.K.M.](https://www.scopus.com/authid/detail.uri?authorId=25930001100), [Shaamash, A.H.](https://www.scopus.com/authid/detail.uri?authorId=6602797046), [Mohamed, A.G.](https://www.scopus.com/authid/detail.uri?authorId=57224077841), [Demitry, S.R.](https://www.scopus.com/authid/detail.uri?authorId=56962875000), [Razik, N.A.](https://www.scopus.com/authid/detail.uri?authorId=57202807639) Comparison between invasive and non-invasive assessment of blood pressure in hypertensive disorders of pregnancy. Egyptian Heart Journal. 2021, 73(1), 48
40. [Hassan, A.K.M.](https://www.scopus.com/authid/detail.uri?authorId=25930001100), [Ahmed, H.](https://www.scopus.com/authid/detail.uri?authorId=57271253100), [Ahmed, Y.](https://www.scopus.com/authid/detail.uri?authorId=57271946800), [Elfadl, A.-E.A.](https://www.scopus.com/authid/detail.uri?authorId=57271253200), [Omar, A.](https://www.scopus.com/authid/detail.uri?authorId=57271396000) Efficacy and safety of hydro-mechanical defragmentation in intermediate- and high-risk pulmonary embolism. Egyptian Heart Journal. 2021, 73(1), 84

**Book chapters:**

1. PH Huang, AKM Hassan, FS Resnic. Manual, Mechanical, and Device Hemostasis. Textbook of Catheter-Based Cardiovascular Interventions. 2018; 435-463
2. Heart sounds Assiut university E-learning system. Editor: Ayman K.M.HASSAN. <http://staffcms.aun.edu.eg/?lang=ar>.
3. Cardiology department text book 2020 . Editor: Ayman K.M. HASSAN.

**VIII- PRESENTATIONS**

* Oral presentation at ESC 2007 in Munchen, Germany.
* Oral presentation at TCT (Transcatheter Cardiovascular Therapeutics) 2008 in Washington DC, USA.
* Oral presentation at TCT 2009 in San Francisco, USA.
* Attending of the ESC hypertension meeting 2010 at Oslo, Norway.
* Attending all EgSC meeting in Cairo, Luxor, Alexandria since 2003 till now.
* Clinical cases presentations at weekly scientific meeting of Cardiology Department, Assiut University.
* Medtronic Academia certificate of completed a virtual reality training session on multivessel disease at EuroPCR 17-20 May, 2011.
* EgSC july 2011 certificate that I am qualified and has received appropriate training in the practice of interventional cardiac catheterization.
* Participation in EPIEPG-EGYPT 8-10 December 2011 in alexandria.
* Attended 39th Egyptian society of cardiology conference 27th February to 2nd of march 2012.
* Clinical pharmacy course design and implementation responsibility for 1st time in Assiut, with success of program and a certificate of acknowledgment from the students 2011&2012& 2013&2014&2015.
* Oral presentation at EuroPCR 15-18th may, 2012 in Paris.
* Oral presentation at Cardio-Alex 2013, and chairperson in 2015 at Alexandria, Egypt.
* Attended EuroPCR 21st - 24th May, 2013 in Paris with 18 exteranl CME credits.
* Founder and director of 1st per-employment orientation program of new residents at Assiut university hospitals 1-7 march 2013 and 1-8 march 2014. The program provide intensive training for 200 residents on skills like management, research principles, medico-legal issues, stress and anger management, infection control principles.
* From 15th  of July 2012 till 20th of July 2012, Participated in a start –up formation , challenges and opportunities and support of start – up companies,  Patenting services  and Licensing negotiation, Techniques for innovation commercialization, IP Management , Technology scouting training in Germany organized by Freie university of Berlin as a part of the activities of an EU TEMPUS project.
* Abstract presentation at CVCT (global cardiovascular clinical trialists forum) 6-8 December 2013 in Paris.
* 2 months course at Ain-Shams university hospitals a dedicated course on Health Care Quality Standards and its implementation strategies 2013.
* Completed the UNILEAD Egypt program 2013/2014 during two online phases (October to December 2013 and January to March 2014) and two contact phases (9th to 18th December 2013 and 14th to 17th of April 2014) at DAAD office in Cairo. The program focuses on project management, human resource management, strategic management and leadership in higher education.
* Oral presentation at 41st Egyptian society of cardiology conference 24-27 February 2014 titled by FAME II TRIAL.
* Conflict management and TOT course at DAAD office in Cairo 19th to 20th October 2014.
* Organizing and charring the 1st Assiut university interventional cardiology training course at the 4th annual department conference (CARDIO-ASSIUT 15-18th October 2014) at Hurgada.
* Attending the 17th EgIC annual conference with the hands-on training at military medical academy 4 to 6th of November 2014 at Cairo.
* Attending SCAI advanced course 2015 in Dubai, UAE.
* Attending euroCVP (ESC working group on cardiovascular pharmacotherapy) congress 29-31 May 2015 at Rome, Italy.
* TCT 2017 Egypt , cairo. 21st -22nd April 2017
* Case presentation at C3 conference in Orlando USA 2018, 23-26- June .
* Case presentation at C3 conference in Orlando USA 2019, 23-26- June .
* Case presentation at Cardio-Go 12-13 august 2021
* CERTIFICATE OF PARTICIPATION at The American College of Cardiology Foundation (ACCF) ACC 21 JULY 6TH 2021.
* Lectures and case presentations at CardioAlex 1-4 June 2021 with 27 credit points .

**IX- GRANTS\ AWARDS**

* The Best Scientific research in the junior research award at Egyptian society of cardiology congress, February 2010.
* Best interventional cardiology case presentation at Egyptian society of cardiology congress, February 2010 with a free submission , travel and accommodation at ESC hypertension meeting in Oslo, Norway.
* Co-supervision fellowship from Assiut university in 2007 for 2 years in the Netherlands.
* 10,000 Euors grant awarded form Leiden University Medical Center (LUMC), department of cardiology to support my application for PHD at Leiden University.
* 5,000 Egyptian pounds from Assiut university Grant office at the faculty of Medicine, as a fund for our unique innovative ASSIUT FEMORAL COMPRESSION DEVICE project in collaboration with faculty of Engineering.
* STDF grant project (ID=26393) funded by 100,000 pounds under the title (Presentation, Patterns of Myocardial Damage, and Clinical Course of Viral Myocarditis) as PI.
* Awarded the TQCSI certificate for health care quality system management ISO 9001, as the team leader of the project for certifying Assiut univ. heart hospital.

**XI- REFERENCES**

1. **Prof. J. Wouter Jukema**,MD, PhD, FESC, FACC

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