

**UNDER THE PATRONAGE OF
H.E. PRESIDENT ABDEL FATTAH EL SISI
PRESIDENT OF THE ARAB REPUBLIC OF EGYPT**

RHEUMATIC HEART DISEASE

FROM MOLECULES TO THE GLOBAL COMMUNITY

ORGANIZED BY ASWAN HEART CENTRE & PASCAR

CONFERENCE GUIDE AND PROGRAM

13 - 16 JAN 2017 JW MARRIOTT | MIRAGE CITY, CAIRO, EGYPT

COURSE DIRECTORS

MAGDI YACOUB - BONGANI MAYOSI

Organized By:



In Partnership With:



www.ahc-scienceandpractice.com

WELCOME

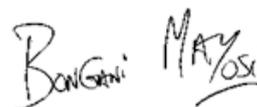
Although RHD has been virtually eradicated from High income countries, the disease continues to be a major cause of death and suffering in middle and low income countries. Eradicating the disease depends on thorough understanding of the epidemiology, and pathogenesis of the disease at molecular and cellular levels, as well as its heterogeneous clinical manifestations in different parts of the world. This should enable evolving effective and innovative policies to deal with this epidemic affecting a sizeable neglected population of the world.

On behalf of the organising committee, we would like to extend a warm welcome to all our faculty, participants, and partners to the truly African land of the Pharaohs, and wish them a fruitful and enjoyable meeting, both from the scientific and Cultural points of view.

Rheumatic Heart Disease From molecules to the Global Community



Magdi Yacoub



Bongani Mayosi



MEETING BOARD:



Professor Sir Magdi Yacoub



Professor Bongani Mayosi



Dr Ahmed El Guindy



Mr George Nel



Miss Zeina Tawakol

ORGANISING BODIES:

AHC- Science and Practice Series

Aswan Heart Centre Sciences & Practice series has been launched by the Magdi Yacoub Heart Foundation in 2010, with a major objective to bring together Cardiac Surgeons and Cardiologists from around the world to exchange their ideas and knowledge for the enrichment of our specialty and betterment of patient care in Egypt and the Region.

Sequential to the truly successful editions of AHC Science & Practice series and as a continuum to our vision of being the forum for enriching the region with the latest developments in the field of Cardiac Surgery and Cardiology we are delighted to announce our 4th edition of the Aswan Heart Centre Science and Practice series.

For more information: www.ahc-scienceandpractice.com



Magdi Yacoub Heart Foundation

The Magdi Yacoub Heart Foundation (MYF) is an Egyptian Registered Charity was founded in 2008 by Professor Sir Magdi Yacoub, the late Professor Ahmed Zewail, and Ambassador Mohamed Shaker MYF has embarked on a truly exceptional project that is of enormous significance to the health and wellbeing of the people throughout Egypt and beyond the Aswan Heart Centre, with three major objectives:

1. Offering state-of-the-art medical services to the Egyptian people, particularly the underprivileged and vulnerable age-groups free of charge.
2. Training a generation of young Egyptian doctors, nurses and scientists at the highest international standards.
3. Advancing basic science and applied research as an integral component of the program and promoting biomedical research in Egypt.

The Aswan Heart Centre's (AHC) core objective is represented in establishing, along the banks of the river Nile in Aswan-Upper Egypt, a centre of excellence and international standing thus providing hope, improving life chances and serving the children, young people and adults in the whole region.

For more information on the work done at the Aswan Heart Centre: www.myf-egypt.org





Pan African Society of Cardiology (PASCAR)

The Pan-African Society of Cardiology (PASCAR) had its beginnings in 1981 in Badagry, Nigeria. PASCAR is an organisation of physicians from across Africa involved in prevention and treatment of cardiovascular disease and is concerned by the lack of progress in the diagnosis and effective treatment of cardiovascular disease across Africa.

Africa does offer some unique challenges but, with sound and achievable objectives and a long-term vision, a positive impact on the disease can be made. The PASCAR Governing Council focuses on identifying key issues, brainstorming novel solutions and designing appropriate programs to combat cardiovascular disease on the continent.

PASCAR forms working relationships with other organisations and departments in Africa with similar mandates and focuses. To understand the unique challenges faced in Africa, a core group of committed individuals with extraordinary knowledge of the African cardiovascular environment has been assembled in regional structures within a Governing Council.

In addition to our geographically aligned structures (North, East, Central, South and West), PASCAR established Task Forces with representation from key role players in cardiovascular subspecialties such as rheumatic heart disease, interventional cardiology, hypertension, pacing, paediatric cardiology (to name a few). PASCAR is currently under the leadership of Prof Bongani Mayosi (South Africa).

For more information: www.pascar.org

OUR PARTNERS:



The Egyptian Agency of Partnership for Development:

The Egyptian Agency of Partnership for Development (EAPD) was established by H.E. President Abdel-Fattah El-Sisi in July 2014 as the first development institution in Egypt aiming at putting the country's many comparative advantages into play for the benefit of the South, and in particular of African countries, and at harnessing their immense potential. The creation of the EAPD, and the strong political backing it continues to enjoy, are a clear signal of Egypt's resolve to strengthen its longstanding ties with Africa at a time when the continent is undergoing major positive developments on many fronts.

The Agency was born as the merger of two Egyptian Funds for Technical Cooperation, one with Africa and the other with the Commonwealth States, and its work builds on their well-recognized accomplishments. Although we continue to engage in the traditional operational activities of technical cooperation they led for years, the scope of our work has widened as we strive to find innovative ways to strength South-South and Triangular Cooperation, and to build partnerships at national, regional and international levels to more effectively support the efforts of African countries in achieving sustainable development.

EAPD partners with renowned Egyptian institutions to organize capacity building programs in various fields. From water management to nanotechnology and maternal health to anti-terrorism, more than 4000 participants have benefited from these programs. We also provide humanitarian assistance to African countries in need. Egypt's recent aid contributions through EAPD to neighbouring countries hit by El Niño is a case in point. Finally, the dispatch of Egyptian experts to Africa has been one of the Agency's most effective tools in building the capacity of communities in the continent. More than 65 experts have transferred their skills and expertise in 21 countries, mainly in Sub-Saharan Africa.

Because we strongly believe that better health is central to human well-being and to development in all its dimensions, we have sought to partner with Egyptian centres of excellence and of international standing in the medical field. They are generously providing world-class training to talented young African doctors like the ones participating in this conference. We are honoured and humbled to partner with the Magdy Yacoub Heart foundation through its Aswan Heart Centre as well as with the Mohamed Ghoneim Urology & Nephrology Mansoura Centre and the Children's Cancer Hospital 57357. These centres are beacons of hope headed by exceptional Egyptians.

EAPD is also taking steps towards bolstering trade and investment between African countries, and has spearheaded the organization of "Africa 2016" (Sharm El-Sheikh; 20-21 February 2016), the first investment forum to be held in Africa, by Africa and for Africa (www.businessforafricaforum.com). Inaugurated by the Egyptian President and attended by heads of state and government, as well as leaders from the public and private sectors from Africa and beyond, the forum witnessed in-depth discussions on how to make best use of Africa's recent economic boom to enhance the continent's position in the global economy and improve the lives of its people.

EAPD is convinced that development cannot be achieved without the full involvement of women. That's why we promote their participation in our activities and design programs tailored to them.

For a detailed review of our activities: www.eapd.gov.eg





Planet Earth Institute

The Planet Earth Institute (PEI) is an international NGO and charity working for the scientific independence of Africa. While other emerging regions have invested heavily in science and technology, Africa is falling behind in the race for scientific development. And we want that to change, fast.

All of our work is built around the three pathways we believe will help lead Africa to scientific independence: Higher Education, Technological Innovation and Policy and Advocacy. In other words, we want to support and strengthen higher education institutions, help incubate technologies able to drive scientific advancement and campaign for a science-led development agenda for Africa.

Headquartered in London with a core executive team, the PEI also has a regional office in Luanda, Angola. All of the Institute's projects benefits from the guidance of the Global Scientific Committee (GSC), a unique group of eminent research scientists drawn from across the world, and partnerships with leading organisations working who share our vision for a scientifically empowered Africa.

OUR FACULTY:

** In Alphabetical Order

Adel El Banna



Ahmed Afifi



Dr Afifi is a consultant cardiac surgeon at Aswan Heart Centre with a special interest in valve reconstructive surgery. Dr Afifi is a fellow of the Royal College of Surgeons of the United Kingdom and is certified from Egypt and the UK in the field of cardiothoracic surgery. He has made valuable contributions in the establishment of the Aswan Heart Centre “Heart Team” which serves as the essence of medical practice at the centre. Currently Dr Afifi heads the cardiac surgery department and continues to be in charge of improving clinical outcomes through audit. Dr Afifi is also interested in training, he has maintained an active surgical fellowship programme which involves trainees from all around Egypt.



Ahmed El Guindy, MSc, MD, MRCP, FACC



Dr. Ahmed ElGuindy is a Consultant Cardiologist and Chief of the Department of Cardiology at the Aswan Heart Centre - Magdi Yacoub Foundation. He is also an Honorary Senior Lecturer at the National Heart and Lung Institute, Imperial College London - UK and a visiting Assistant Professor in the School of Sciences and Engineering at the American University in Cairo.

Dr. ElGuindy studied at Cairo University where he also pursued his postgraduate training, acquiring both Master and Doctorate degrees in Cardiovascular Medicine. He is a Member of the Royal College of Physicians of the United Kingdom since 2007 and a Fellow of the American College of Cardiology since 2015. He treats adult patients with various cardiac disorders and specializes in Interventional Cardiology with special interest in coronary physiology, intracoronary imaging, chronic total occlusions, and transcatheter heart valve interventions.

Dr. ElGuindy currently serves as the Clinical Deputy Director of Research at the Magdi Yacoub Foundation and has over 30 publications in international peer-review journals, and is co-author of a textbook on Cardiovascular Medicine. He sits on the Executive Board of the Aswan Heart Centre since 2010, and continues to be heavily involved in strategic planning, clinical governance and quality improvement at the Centre.

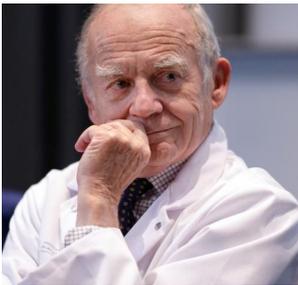




Alaa El Ghamrawy



Dr Alaa Eldien El Ghamrawy was born in 1956 and is being nominated by the Ministry of Health for his personal contribution to the creation of the National Programme for Rheumatic Heart Disease (RHD) in Egypt. In 2003, Dr El Ghamrawy noted that over 60% of the total heart operations in Al Mahalla Hospital Cardiac Centre, where he was working, could be attributed to rheumatic heart disease. A group of dedicated physicians undertook a small-scale initiative for the early detection and appropriate treatment and prevention of rheumatic heart disease. The local community's awareness and appreciation of rheumatic heart disease activities encouraged local initiatives for screening and early detection of the condition. This activity extended to rural areas. Civil society helped equip the initiative with mobile units, which included medical devices, and laboratory and computer equipment. Children between the ages of 5 and 15 years were screened free of charge by volunteers. In 2005, the Ministry of Health recognized the magnitude of the problem and established a national control programme for rheumatic heart disease, which includes training programmes for health care professionals throughout the country, including physicians, internists, paediatricians and community workers. Since the establishment of the programme, studies have shown a notable decrease in the incidence of heart operations due to rheumatic heart disease.



Alain Carpentier, MD, PhD



Alain F. Carpentier, MD, PhD is a cardiac surgeon involved in both research and clinical practice. He received his Doctorate in Medicine in 1966 from the University of Paris and in 1975 he received his PhD in chemistry from the Faculty of Sciences at the University of Paris. He was appointed as a member of the cardiac surgery staff of Hôpital Broussais in 1968 before being named Chief of the service in 1982. He has also been appointed Adjunct Professor of Cardiac Surgery at Mount Sinai School of Medicine in New York.

Carpentier has authored more than 500 scientific publications and ten books. He is the recipient of many scientific distinctions and awards including the Albert Lasker Medical Research Award in 2007, the Grand Prix Mondial Cino del Duca in 1996 and the 5th Scientific Achievement Award of the American Association for Thoracic Surgery in 2005. He is an honorary member of several prestigious international scientific societies and universities and was elected President of the French Academy of Sciences in 2011. He has developed numerous teaching programs worldwide, and founded the Vietnam Heart Institute in Ho Chi Minh City, regarded by the World Heart Organization as the most successful program in transferring technology and responsibility to developing countries.

Regarded as the father of reconstructive valve surgery, Carpentier developed the world's first artificial valve used in clinical practice. The "Carpentier-Edwards valve" utilizes chemical processing of animal tissues to prevent immunological reaction when implanted in other species and currently benefits more than 100,000 patients each year. Other scientific original contributions include mini invasive and robotic cardiac surgery. Recently, his research team developed and implanted the first successful artificial bronchus to avoid pneumonectomy in lung cancer.

Aliaa Kotby



Amir Anwar, MD



Graduated from Cairo University on 2005. After finishing his residency at cardiovascular department at Cairo University Hospitals, he joined Aswan Heart Center on 2011 where he completed his training as an interventional cardiologist. He has held a position of a cardiology interventional specialist since 2014 at Aswan Heart Center where he has assisted in the initiation of balloon mitral valvuloplasty service and was on charge of the program. He is currently working as a lecturer of cardiovascular medicine at Cairo University.



Ana Olga Mocumbi



I have spent my life's work investigating non-communicable diseases related to poverty, particularly neglected cardiovascular diseases (CVDs) Africa, with a record of productivity in a number of key areas of relevance to this proposal. I have a Medical Degree from Universidade Eduardo Mondlane (UEM) in Mozambique and after serving as a medical doctor in rural areas of my home country I specialized in Clinical Cardiology at the University of René Descartes in Paris and the Heart Institute in Mozambique. As a research assistant during my Ph.D. studies at Imperial College London, I carried out epidemiological research based on echocardiographic screening of a rural population in Mozambique and performed clinical follow up of established cohorts. This led me to focus my research interests on neglected cardiovascular diseases of Africa.

As a Professor of Clinical Cardiology at UEM and Invited Professor at Universidade UniLurio (in the northern region of Mozambique) where I am currently the Coordinator of a Master's Degree Program in Health Professional's Education, I have been involved in the decentralization of pre- and post-graduate training, through use of new information and communication technologies for distance learning. As part of my appointment as Head of Non-Communicable Diseases at the National Public Health Institute in Maputo, my cardiovascular research studies with patients at Mavalane General Hospital (HGM) have allowed me to greatly enhance my experience and insights of public health policies related to this group of diseases. I currently have over 60 publications addressing broader regional and global public health policy issues as well as original research focusing on different neglected CVDs, including book chapters. This P20 application builds logically on not only my previous clinical, research, and teaching experience in the field of CVDs, but also leverages the extensive network of investigators and collaborative projects that I am currently involved in within both Sub-Saharan Africa (LMICs) and the US, Europe and Australia (HICs). These have allowed me to promote a large body of research on locally and regionally important non-communicable diseases. Through my leadership roles at the Pan African Society of Cardiology, Pulmonary Vascular Research Institute, and World Heart Federation, I have extensive first-hand knowledge of the research and education needs, and their challenges, within Africa, as well an in-depth understanding of the growing problem of NCDs within this region.





Azza El Shinawy, Phd



Azza El Shinnawy is Director, Government Solutions with the Microsoft 4Africa Initiatives, where she is responsible for supporting country-level as well as regional efforts targeting government modernization and applying innovative solutions to support effective, open and inclusive public services in the African continent.

With over 20 years of professional experience and prior to joining Microsoft, Azza was Ministerial Advisor for Research and Information to Egypt's Minister of Investment during the hype of the country's growth spurt. Azza has also worked with the World Health Organization as a regional expert on trade liberalization in health services, and has been a lecturer at the American University in Cairo, having taught graduate courses towards the attainment of the Master of Public Policy and Administration. She is an expert in the domain of regional industrial and trade policy reform, and is considered one among the few regional experts on the highly dynamic generics pharmaceutical industry. She is a published strategist in the domains of trade, industrial and FDI strategies in emerging markets, the most notable with the Oxford Journals-Health Policy and Planning and Edward Elgar Publishing on FDI Strategies in Emerging Markets. Azza has undertaken numerous consultancy and advisory roles with government bodies, as well as with multilateral organizations such as UNDP, UNIDO, UNCTAD the World Bank and the EU.

Azza holds a PhD in International Development from the London School of Economics in the UK. She earned an MA in Public Administration from the American University in Cairo, and an MA in Development Economics from the University of East Anglia in the UK.



Boglarka Remenyi



Dr Bo Remenyi is an Australian paediatric cardiologist and a former scientific advisor for the World Heart Federation on rheumatic fever and rheumatic heart disease. As a clinical cardiologist she works at the Royal Darwin Hospital in Australia and services Australian indigenous communities with one of the world's highest rates of acute rheumatic fever. Her clinical work includes providing paediatric cardiac services for resource poor countries. Her academic contributions to rheumatic heart disease included the development of the 2012 World Heart Federations echocardiographic diagnostic criteria for Rheumatic heart disease, contributions to the 2015 Jones criteria and nurse led-echocardiographic screening. As an advocate for rheumatic heart disease, she was the clinical lead for the documentary 'Take heart' – the quest to rid the world of rheumatic heart disease.



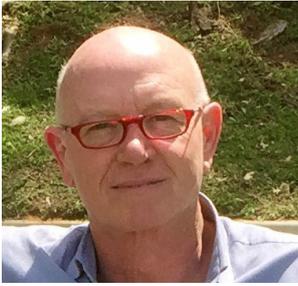
Bongani Mayosi



President of PASCAR

Bongani Mayosi is a South African cardiology professor who was awarded his county's highest honor, the Order of Mapungubwe in 2009. He is the Dean of the Faculty of Health Sciences at the University of Cape Town South Africa.

He qualified in medicine from the University of KwaZulu-Natal in Durban, and trained in internal medicine and cardiology in Cape Town. He was the Nuffield Oxford Medical Fellow in cardiovascular medicine at the University of Oxford from 1998 to 2001. His research interests include genetics of cardiovascular traits, treatment of tuberculous pericarditis, prevention of rheumatic fever, and epidemiology of heart failure in Africa. He is the Chairman of the South African National Health Research Committee, President of the Pan-African Society of Cardiology (PASCAR), and Associate Editor for Circulation.



Christopher Hugo-Hamman



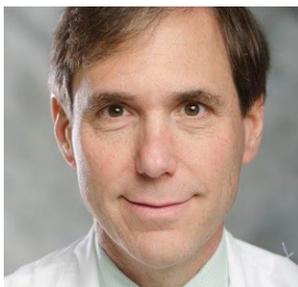
Christopher is Founder and Director, Centre for Paediatric and Congenital Heart Disease, Ministry of Health and Social Services, Republic of Namibia. He is the current Chairman, of the Steering Committee of the World Congress Paediatric Cardiology & Cardiac Surgery and was Chairman of the 6th World Congress held in Cape Town in 2013. He has previously held a number of positions in public health including Director of Ministerial Services in the Ministry of Health, South Africa and was Health Attaché at the South African Mission to the European Union. He has championed the National Programme for the prevention and control of rheumatic heart disease (RHD) in Namibia and was the Principal investigator for Namibia of Global Registry for Rheumatic Heart Disease (REMEDY) and for RHD GEN H3Africa. Educated at the University of Cape Town, he was a Rhodes Scholar at Jesus College, Oxford University.



Colin Bruce Martin, MB.BS FRCA FFICM MRCP



Dr Bruce Martin graduated in medicine from the University of London in 1984. He spent several years gaining experience in general medicine and anaesthesia in London, a rural hospital in South Africa, Australia and New Zealand before completing his training in anaesthesia and intensive care at Oxford in 2000. He was appointed Visiting Instructor in Anesthesia and Critical care at the University of Michigan USA for 2 years before returning to the UK as a Consultant at The Heart hospital, University College London. He is one of the three Inventors and developers of HeartWorks cardiac echo simulator. Dr Martin teaches regularly on TOE based courses internationally and continues to develop the HeartWorks system. In 2015 he moved to the newly formed Barts Heart Centre at St Bartholomew's hospital, London.



Craig Sable



Dr. Craig Sable is a cardiology faculty member at Children's National Health System and Professor of Paediatrics at George Washington University School of Medicine in Washington, DC. He is recognized as a national and international leader in paediatric echocardiography, telemedicine, rheumatic heart disease and global health. He has authored over 80 peer-reviewed articles and co-authored six book chapters. He has mentored over 75 trainees. He has held key leadership roles in the American Board of Paediatrics, American Heart Association, Joint Council of Congenital Heart Disease and World Heart Federation





David Philips



David Phillips is Professor of Endocrine and Metabolic Programming at the University of Southampton, UK. He is also an Honorary Consultant Physician in Endocrinology and Diabetes for the Southampton University Hospitals NHS Trust. He trained at the University of Cambridge and St Thomas' Hospital, London, and following junior hospital appointments was awarded a Wellcome Trust Research Training Fellowship at the University of Southampton, where he completed a PhD thesis on the epidemiology of thyroid disease. This work subsequently took him to Zaire, Central Africa, where he carried out a trial of iodine supplementation on behalf of the UK Charity, OXFAM. On his return he was appointed Lecturer in Endocrinology at the University Of Wales College Of Medicine, Cardiff. He was appointed to his current position in 1991. In Southampton his research programme has centred on the developmental origins of type 2 diabetes, the metabolic syndrome and related conditions. The work has been funded by the Medical Research Council, The Wellcome Trust, The National Institutes of Health and several UK-based charities. He has collaborated extensively with research groups in other universities both in the UK and abroad and holds professorial appointments at the University of Toronto, Canada, and The University of Adelaide, South Australia. In recent years he has developed an interest in the neglected non-communicable diseases prevalent in rural sub-Saharan Africa, particularly in Ethiopia.



David Watkins



David Watkins is a physician-scientist in the Departments of Medicine at the University of Washington and University of Cape Town, and he is a senior researcher with the Disease Control Priorities Network based at the University of Washington. His research seeks to inform the health system response to non-communicable diseases in low- and middle-income countries. His contributions to science include burden of disease analysis, mixed methods research to identify gaps in healthcare delivery, and economic evaluation of health policies. Dr. Watkins received a bachelor of science from Rhodes College and a doctor of medicine from Duke University before moving to the University of Washington in Seattle, where he completed a residency in internal medicine, an MPH through the Institute for Health Metrics and Evaluation, and a research fellowship in health economics with the Disease Control Priorities Network.



Diana Lennon



Dr Diana Lennon is Professor of Population Health of Children and Youth at the University of Auckland, New Zealand and Paediatrician in Infectious Diseases at Starship and KidsFirst Children's Hospitals in Auckland. Her research interests are preventable infectious diseases which may lead to permanent sequelae. She has spear headed Rheumatic Fever (and earlier epidemic meningococcal disease) control in New Zealand with success with secondary and primary prevention of RF through working in partnership with indigenous New Zealanders and those at greatest risk, the New Zealand government, and with research and guideline endeavours to provide an evidence base.



Florian Falch



Florian Falch is an Austrian national, currently living in Germany. He studied Management & Law at the Management Center Innsbruck, Austria and earned a Master of Science in Economics from Lund University, Sweden. Before joining Sandoz Florian worked as a Business Consultant at KPMG in Austria. At Sandoz he currently is a Manager Strategic Projects in the global Anti-Infectives franchise, working on projects from manufacturing to commercial strategies and has led him to work with Sandoz entities in Europe, North America and Asia-Pacific.

Galal El Said



Gavin Wright



Born and raised in Zimbabwe, Dr Wright graduated in Medicine from the University of Rhodesia and went on to specialise in Anaesthesia in South Africa working with greats such as Christian Bernhart. Moving to the UK in 1986, Dr Wright has worked on the world’s leading transplant programme of its time at Harefield Hospital alongside Sir Magdi Yacoub. Since living in the UK, Dr Wright has worked at some of the top hospitals for paediatric and cardiac care including Great Ormond Street Hospital, The Royal Brompton and Harefield Trust, Papworth Hospital and the Heart Hospital

Dr Wright co-founded Chain of Hope with Sir Magdi in 1995 and has led some 30 overseas medical missions. Dr Wright has sat on the Board of Trustees from the beginning and was voted Chairman in 2012. In 2007, Dr Gavin Wright was nominated for one of the heroes of the year in The Independent, highlighting the exceptional lengths he takes in his overseas voluntary work with Chain of Hope.



Hani Mahmoud, MBBCh, MSc, FASE



- ESC/EACVI-HIT Committee member
- Associate Consultant, Adult Cardiology,
- Director of Echocardiography Lab Aswan Heart Centre, Magdi Yacoub Foundation, Aswan, Egypt
- Associate Consultant, Adult Cardiology, Director of Echocardiography Lab, Aswan Heart Centre, Magdi Yacoub Foundation, Aswan, Egypt.
- Board certified with “Diplomat of adult transthoracic & Transesophageal Echocardiography” from the National Board of Echocardiography “NBE”, USA, July 2012.
- Elected as a Fellow of the American society of Echocardiography (FASE), August, 2014.
- Elected as the Ambassador of the European Association of Cardio-Vascular Imaging/ Heart Imagers of Tomorrow “EACVI/HIT” for Saudi Arabia.
- Elected as a committee member of the “European Association of Cardio Vascular Imaging/ Heart Imagers of Tomorrow “EACVI/HIT”, December 2014.
- Received special training on Three-Dimensional Echocardiography with Prof. Dr. Navin Nanda in the University of Alabama at Birmingham hospital, Birmingham, Alabama, USA.
- Editorial board member of The Journal of Cardiovascular Ultrasound “JCU”.
- Published in Echocardiography related topics, mainly 3D-TEE.





Heba Aguib, Dr. Ing



Dr. Heba Aguib is Deputy Director of Research at the Aswan Heart Centre (AHC), Magdi Yacoub Foundation, in Egypt. Since joining AHC in 2014, she established the Biomedical Engineering and Innovation Laboratory. Within the integrated translational AHC Research Program, she works closely with Prof Sir Magdi Yacoub on analysing the structure and function of the heart in different Congenital and Adult disease areas. In collaboration with international groups at Imperial College London, University College London, Siemens AG, The American University in Cairo and other, the AHC Biomedical Engineering Team's goal is to identify phenotypes and patterns of obstruction in different diseases as well as optimize surgical techniques, using 3D Segmentation, Computational Fluid Dynamics (CFD) and other advanced imaging tools (e.g. CMR 4D Flow). Heba Aguib is also Honorary Research Fellow at Imperial College London and Adjunct Professor at The American University in Cairo.

Aguib studied Mechanical Engineering at Technische Universität München (TUM) in Germany, with a focus on Numerical Simulation and Automotive Engineering and conducted research at the Department of Aerodynamics at BMW AG in Munich. After that, she worked as a Research Scientist in the field of Micro Technology and Medical Device Technology, also at TUM. Her Doctoral Thesis was on developing adaptive tissue grasping and joining mechanisms for minimal invasive surgery using Finite Element Methods and Rapid Prototyping. Prior to joining AHC, Aguib was working at Technische Universität Berlin as Deputy Managing Director of its satellite campus in ElGouna in Egypt.



Hesham El Askary



Prof. of Remote Sensing and Earth System Science
Director Computational & Data Sciences Graduate Programs
Center of Excellence in Earth Systems Modeling & Observations
Schmid College of Science and Technology, Chapman University, USA

Prof. El-Askary received his Ph.D. in Computational Sciences and Informatics from George Mason University in 2004 along with his two MS degrees in Computational sciences and Earth Systems Sciences. He is the 2015 recipient of the Chapman University's elite Senior Wang-Fradkin Professorship award. He is also named as the regional coordinator on a \$3 million Euro grant from the European Union's (EU) Horizon 2020 to start February 2016. The three year project, known as GEO-CRADLE, which stands for Coordinating and integrating state-of-the-art Earth Observation Activities in the regions of North Africa, Middle East and Balkans and Developing Links with GEO related initiatives toward GEOSS, will have its kick-off meeting in February of 2016 in Europe. His research interests include dust storms monitoring and detection using different remote sensing technologies as well as studying other extreme events. He is also involved in studying air pollution problems over mega cities due to natural and man-made effects as well as climate change and its impacts on sea level rise and coral reefs for coastal areas. Dr. El-Askary's research has been supported by National Science Foundation, NASA, United States Department of Agriculture and European Union.

Prof. El-Askary has published over a 100 refereed research publications, conferences full paper and book chapters in these research areas. Dr. El-Askary's research has been supported by NSF, NASA, USDA and EU. Dr. El-Askary has received the Saudi Arabia award hosted by the Arab Administrative Development Organization (ARADO) affiliated with the League of Arab states for the best published article in Environmental Management among 150 articles in 2006. He is also a member of the Institute of Electrical and Electronics Engineers (IEEE), AGU, EGU, COSPAR, and Phi Beta Delta Honor Society.

Today Prof. El-Askary views himself as an Earth System Scientist with a major interest in hazards, atmospheric events and climate. He is particularly interested in events that have a global impact (going from global to local) and mixing scenarios

between natural and anthropogenic generated aerosols.

As an active scholar and through his international connections and reputation, Dr. El-Askary would like to use his skills in actively helping the creation of real and true partnerships between Academic institutions in Egypt and North America, provide opportunities for advancing higher education in Egypt and last but not least helping eager students in Egypt who are interested in advancing their education and scholarship in North American Universities.

Hussein Rizk



Jagat Narula, MD, PhD, MACC



Jagat Narula is Professor of Medicine and Philip J. and Harriet L. Goodhart Chair in Cardiology, and the Director of Cardiovascular Imaging Program in Mount Sinai's Zena and Michael A. Wiener Cardiovascular Institute and the Marie-Josée and Henry R. Kravis Center for Cardiovascular Health. He is the Associate Dean for Global Health at the Icahn School of Medicine at Mount Sinai.

In 1989, upon finishing his cardiology fellowship training and PhD (Cardiovascular Immunology) from the All India Institute of Medical Sciences - Delhi, Dr. Narula relocated to Massachusetts General Hospital (MGH) and Harvard Medical School. At MGH, he completed cardiology, heart failure & transplantation, and nuclear cardiology fellowships and then joined the cardiology faculty. In 1997, he moved to Hahnemann University School of Medicine, Philadelphia, where he was Thomas J. Vischer Professor of Medicine, Chief of the Division of Cardiology, Vice-Chairman of the department of Internal Medicine, and Director of Heart Failure & Transplantation Center. He subsequently joined University of California, Irvine School of Medicine (2003) as Chief of the Division of Cardiology, Associate Dean for Research, and Director of the Cardiovascular Center of the UC Irvine's Douglas Hospital. He was also the Director of Memorial Heart & Vascular Institute, Long Beach Memorial Hospital, and Medical Director of the Edwards Lifesciences Center for Advanced Cardiovascular Technology in UC Irvine's Henry Samueli School of Engineering.

Dr. Narula has the unique distinction of being able to combine molecular and subcellular pathology and imaging with clinical imaging of the failing myocardium and high-risk coronary atherosclerotic plaques to develop novel strategies for prevention of cardiovascular disease and promotion of cardiovascular health in developed as well as developing countries. He has specifically contributed to two major areas including heart muscle cell apoptosis in heart failure, and lipid-rich atherosclerotic plaques that are susceptible to rupture and acute coronary events. He has brought novel experimental strategies to bedside and defined their applicability at the community level. He is the Editor-in-Chief of the Journal of American College of Cardiology: Cardiovascular Imaging. He is also the Editor-in-Chief of Global Heart (the official Journal of World Heart Federation). He is currently actively involved in population-based heart attack prevention programs including HAPPY [Heart Attack Prevention Program for you]. He has served on the Advisory Council on Global Prevention of Cardiovascular Diseases of the Institute of Medicine of the National Academies of Sciences. His research has been funded, in part, by the grants from National Institutes of Health. He is considered to be a true translationist and one of the infrequent investigators who has the distinction of publishing in the best basic science and the best clinical journals including Science, Nature Medicine, PNAS, New England Journal of Medicine, Lancet, Circulation and JACC. With more than 800 original research publications or presentations to his credit and more than 30 books or journal supplements edited, Dr. Narula has been awarded as 'the best young investigator' on several occasions for his research contributions. His mentoring prowess is exemplified by the fact that 20 of his fellows, working in his research laboratory, have been awarded young investigator awards; he was recently awarded as the Best Educator by the American College of Cardiology. He was also announced as one of the five Innovators in Cardiovascular Medicine in the year 2012, and was honoured as the Master of the American College of Cardiology in March 2013.





Jeremiah Mwangi



Jeremiah Mwangi is the Director of Policy and Advocacy at the World Heart Federation (WHF) with 10 years of global health experience including health policy and patient engagement.



Johanna JM Takkenberg



Johanna JM Takkenberg (1966) obtained her MD at the Vrije Universiteit Amsterdam, her MSc Clinical Epidemiology at the Netherlands Institute of Health Sciences, and her PhD at Erasmus University Rotterdam (2002). She worked as a research fellow at Cedars-Sinai Medical Center, Los Angeles (1994-1996) and subsequently as a research clinician, assistant and associate professor at the Department of Cardio-Thoracic Surgery of Erasmus MC, Rotterdam, the Netherlands. In 2012 she was appointed Professor of Clinical Decision Making in Cardio-Thoracic Interventions at Erasmus University Rotterdam. Her research focuses on prognostic modeling and evidence-based shared decision making in the setting of cardio-thoracic interventions, with a focus heart valve disease and congenital heart disease. She has published over 200 papers in peer reviewed journals (H-index 35), and currently serves as Secretary on the Heart Valve Society board.



Ganesan Karthikeyan



Dr Ganesan Karthikeyan is a clinical and interventional cardiologist and a Professor of Cardiology at the All India Institute of Medical Sciences, New Delhi, India. He is also a trained research methodologist from McMaster University, Canada, and is an International Fellow of the Population Health Research Institute at the University. Dr Karthikeyan is also the current Editor-in-Chief of the BMJ journal Heart Asia which focuses primarily on cardiovascular issues affecting developing countries.

His research is mainly focused on cardiovascular diseases affecting low and middle income countries, including valvular heart disease, particularly rheumatic heart disease (RHD). Dr Karthikeyan is a member of the RHD Expert panel of the Global Burden of Disease Study Group, and Chair of the Advisory Board of Rheumatic Heart Disease, Evidence, Advocacy, Communication, Hope (RHEACH). He played a central role in the design and conduct of the Rheumatic Heart Disease Global Registry (REMEDY) and is one of the key leaders of the ongoing INVICTUS.

Lisel Zulke





Madeline Cunningham



Dr Cunningham received her PhD in 1973 at University of Tennessee-Memphis in Microbiology and Immunology. She studied for 3 years as a postdoctoral fellow in Protein Studies at the Oklahoma Medical Research Foundation in Oklahoma City. Following her postdoctoral fellowship, she accepted a position at the University of Oklahoma Health Sciences Center & has maintained an active laboratory since 1980. Research in Dr. Cunningham's laboratory investigates molecular mimicry, autoimmunity and infection in inflammatory heart diseases and in behavioural and movement disorders.

Her laboratory studies autoimmunity, infection and behaviour which is manifest in diseases such as Sydenham's chorea and in paediatric autoimmune neuropsychiatric disorder following group A streptococcal infection (PANDAS). Using human monoclonal antibodies, the work has identified antibody mediated neuronal cell signalling as a potential basis for movement or neuropsychiatric disorders and potentially other brain related disorders, including obsessive compulsive disorder, Tourette's syndrome and Tics. These diseases including PANDAS are under investigation to determine the relationship of autoantibodies which bind to brain antigens or signal in the brain to development of symptoms. She has recently received funding from the Lyme Disease Association and received the 2013 Trailblazer Award from Autism Speaks. She was funded by the National Institute of Mental Health Bench to Bedside Grant to investigate autoantibodies in PANDAS in the recent NIMH IVIG trial.

In addition, her laboratory investigates the pathogenesis of rheumatic carditis, a sequela of group A streptococcal pharyngitis, and of myocarditis, a complication that can follow coxsackieviral infections. Rheumatic carditis affects the heart valves, while myocarditis results in the destruction of the myocardium. Studies in myocarditis currently are supported by the National Heart Lung and Blood Institute and are focused on a 5 year longitudinal study of T cell subsets and monocyte responses in patients with myocarditis who develop cardiomyopathy. Translational research using human monoclonal antibodies and T cell clones from disease have provided clues about pathogenic mechanisms in disease. Other work funded by the National Heart Lung and Blood Institute includes studies of the pathogenesis of hypoplastic left heart syndrome in infants.

Dr. Cunningham has served many years on review panels at the National Institutes of Health and served on the National Research Committee at the American Heart Association. She was a representative of the United States for the US-Indo Vaccine Action Program. She was elected an AAAS fellow and ASM fellow. She received a National Heart Lung and Blood Institute Research Career Development Award and Merit Award. She has been supported by the NIH for the past 25 years. She is the Director of the NIAID supported Immunology Training Program at the University of Oklahoma Health Sciences Center. She lectured on the effects of autoantibodies on the brain in the Presidential Symposium at the American Association of Immunologists in 2010. Dr Cunningham is the author of over 100 publications.



Magdi Yacoub, FRS, OM



Sir Magdi Yacoub is currently Professor of Cardiothoracic Surgery at the National Heart and Lung Institute, Imperial College London and Founder and Director of Magdi Yacoub Heart Foundation which has created the Aswan Heart Center. Aswan Heart Centre is dedicated to 1. Offering state-of-the-art medical services free of charge to all patients regardless of color, religion, or gender. 2. Training a generation of young Egyptian doctors, nurses, scientists, and technicians at the highest international standards. 3. Advancing basic science and applied research as an integral component of the program and promoting biomedical research in Egypt. Professor Yacoub is also Founder and Director of Research at the Harefield Heart Science Centre (Magdi Yacoub Institute) overseeing over 60 scientists and students in the areas of tissue engineering, myocardial regeneration, stem cell biology, end stage heart failure and transplant immunology. He is also Professor Yacoub was born in Egypt and graduated from Cairo University Medical School in 1957, trained in London and held an Assistant Professorship at the University of Chicago. He is a former BHF Professor of Cardiothoracic Surgery for over 20 years and Consultant Cardiothoracic Surgeon at Harefield Hospital from 1969-2001 and Royal Brompton Hospital from 1986-2001. Professor Yacoub established the largest heart and lung transplantation programme in the world where more than 2,500 transplant operations have been performed. He has also developed novel operations for a number of complex congenital heart anomalies. He was knighted for his services to medicine and surgery in 1991, and awarded the Order of Merit by Her Majesty Queen Elizabeth II in the 2014 New Year's Honours list. He has also been awarded Fellowship of the Academy of Medical Sciences in 1998 and Fellowship of The Royal Society in 1999. A lifetime outstanding achievement award in recognition of his contribution to medicine was presented to Professor Yacoub by the Secretary of State for Health in the same year.

Research led by Professor Yacoub include tissue engineering heart valves, myocardial regeneration, novel left ventricular assist devices and wireless sensors with collaborations within Imperial College, nationally and internationally. He has also supervised over 18 higher degree (PhD/MD) students and published over 1,000 articles.

Sir Magdi has an active interest in global healthcare delivery with particular focus developing programmes in Mozambique, Ethiopia, Burundi and Jamaica. He is also Founder and President of the Chain of Hope charity, treating children with correctable cardiac conditions from war-torn and developing countries and establishing training and research programmes in local cardiac units.

Magdy AbdelHamid





Manuel Antunes



Born July 20, 1948 in Leiria - Portugal

Degrees and Academic Distinctions:

- Graduated in 1972
- Master of Medicine (Cardiothoracic Surgery), University of Witwatersrand in 1982
- Fellow American College of Cardiology, 1985
- Doctor of Philosophy (Medicine), University of Witwatersrand in 1986
- Doctor of Science, University of Witwatersrand in 1994.
- Fellow European Board of Thoracic and Cardiovascular Surgeons, 1998
- Fellow European Society of Cardiology, 1988
- Academic of the Portuguese Academy of Medicine, 1997

Hospital and University Appointments:

- Chief Cardiothoracic Surgeon and Professor of Cardiothoracic Surgery of the University of the Witwatersrand (1986-88)
- Professor of Cardiothoracic Surgery, Coimbra University (1987-)

Current Position:

- Professor and Head. Department of Cardiothoracic Surgery (1988-) University Hospital. Coimbra. Portugal

Professional Memberships:

- Society of Thoracic Surgeons (USA), 1986
- European Association for Cardiothoracic Surgery, 1987
- Portuguese Society of Cardiology, 1988
- Portuguese Society of Cardiothoracic and Vascular Surgery, 1988
- Sociedad de Cardiocirujanos (Spain), 1988
- Portuguese Society of Medical Education, 1992
- American Association for Thoracic Surgery (USA), 1995
- Brazilian Society of Cardiovascular Surgery (Honorary Member), 2003

Research and Publications:

- Eight hundred papers and lectures presented at International Congresses and other Scientific Meetings, Hospitals and Universities, about two-thirds by invitation.
- Three hundred ninety published in peer-reviewed journals or as book chapters. Mitral Valve Repair (color atlas of surgical technique). RS Schulz Pubs. Percha, FRG, 1989

Surgical Experience:

More than 20,000 open heart procedures, including more than 8,000 valve operations

(About 2,500 mitral and aortic valvuloplasties).

Editorial Activity:

- Reviewer of the Annals of Thoracic Surgery, 1990 -
- Reviewer of the Journal of Thoracic and Cardiovascular Surgery, 1995 -
- Reviewer of the European Heart Journal, 2003 -
- Member of the Scientific Committee of the Revista Portuguesa de Cardiologia, 1988 -
- Member of the Scientific Committee of the Journal of Heart Valve Disease, 1992 -
- Member of the Editorial Board of the The Thoracic and Cardiovascular Surgeon, 1996 -
- Member of the Editorial Consulting Board of the Turkish Journal of Thoracic and Cardiovascular Surgery, 2002 -
- Member of the Editorial Board of Current Reviews in Cardiology, 2004 -
- Member of the Editorial Advisory Board - Current Cardiology Views, 2007 -
- Associate Editor of the Revista Portuguesa de Cardiologia (Portuguese Journal of Cardiology), 2006-2015
- Associate Editor Brazilian Journal of Cardiovascular Surgery, 2007 -
- Member of the Editorial Advisory Board - Current Cardiology Views, 2007 -
- Member of the International Advisory Board of Heart, 2013 -2017
- Deputy-Editor Revista Portuguesa de Cardiologia (Portuguese Journal of Cardiology), 2016
- Member of the Editorial Board - Journal of Thoracic and Cardiovascular Surgery - 2016





Mark Engel



Mark E. Engel is a South African epidemiologist, holds a BSc (MED) Hons [Human Genetics], an MPH [Epidemiology and Biostatistics] and a PhD which he obtained in 2013, all from the University Of Cape Town (UCT). Appointed as an Associate Professor within the Medicine Department at the University of Cape Town, his research interests are in the epidemiology of Rheumatic Heart Disease including surveillance through purpose-designed registries as well as the molecular epidemiology of Group A Streptococcal pharyngitis in Africa. Dr Engel regularly lectures undergraduate and postgraduate students in epidemiology, research methods and evidence-based health care approaches, and has supervised a number of postgraduate degree dissertations. Recently, he was awarded the National Research Foundation's Research Excellence Award for Early Career / Emerging Researchers in 2016.



Marvin Allen, MD, FACC



Dr. Allen is a cardiologist practicing at Revere Health, located in Utah, USA. He completed his residency in internal medicine and fellowship in cardiology at the Mayo Clinic. Rochester, Minnesota, USA. Dr. Allen has been in private practice for 20 years. Dr. Allen specializes in cardiovascular imaging including echocardiography, nuclear cardiology, MRI, and CT. He serves as co-director and clinical/medical manager of Rheumatic Relief (formerly Rheumatic Rescue).

Mohamed ElGuindy





Mohmed Sobhy



- Professor of Cardiology and Director of Cardiac Cath Lab at Alexandria University
- Head of cardiology Department – Alexandria university
- Chairman & CEO of International Cardiac centre Hospital in Alexandria
- Chairman & CEO of ICCT – Alexandria.

QUALITIFICATIONS:

- MBCHB, 1976
- Master Degree of Internal Medicine, 1979
- Master Degree of Cardiology and Angiology, 1980
- Doctor Degree of Cardiology, 1986
- Professor of Cardiology, since 1996
- Director of Cath--Lab Alexandria University Hospital
- General Secretary of Egyptian Society of Cardiology.(2006 – 2010)
- President of Egyptian Working group of Cardiovascular Drug Therapy.(2007– till now)
- Responsible of International Affairs of Egyptian Society of Cardiology.(2007--till now)
- Immediate Past President of Egyptian Society of Cardiology. (2010– 2012)

FELLOWSHIPS:

- Fellowship of the Henry Ford Institute, 1985
- Fellow: of the University of Lausanne, 1987
- Fellow: of the Emory University Hospital 1990, 1991,1993, 1994
- Visitor Scholarship of the Cath. Lab. Endihoven, Holland, 1992
- Fellowship of the American College of Cardiology FACC,1999
- Fellowship of the European Society of Cardiology FACC, 2010
- Scientific board member in TCT Conferences MEMBERSHIPS
- Board Member of the Egyptian Society of Cardiology since 1996.
- Chairman of the Working Group of the Cardiovascular Drug Therapy.
- Board Member in the Working Group of the Interventional Cardiology.
- Active Member in the Advisory Board of Working Group of the Echocardiography.
- Active Member in the Advisory Board of Working Group of Hypertension.
- Active Member in the Advisory Board of Working Group of Heart failure.
- Vice president of Egyptian Working group of thrombosis and homeostasis.
- Member of the European Working group of Cardiovascular Pharmacology and Drug Therapy.
- Member in the Editorial board of the European Heart Journal from 12--2008.
- Member in the scientific Advisory Board of the TCT conference (Middle East area)
- Active Member in Middle East Focus of the American College of Cardiology, 2009 – till now.
- National coordinator of European Society of Cardiology Guidelines, 2009 – till now.
- Founder of the American College of Cardiology fellows chapter, 2010.
- Editor of Egyptian Society of Cardiology website;www.cardioegypt.com





Najma Latif



Najma graduated with a degree in Cell and Molecular Biology from the University of Essex and joined the National Heart and Lung Institute, University of London where I attained my PhD on autoimmunity in heart disease and transplantation, working in the group headed by Professor Yacoub. This research investigated the incidence and function of autoantibodies and the identities of antigens in patients with dilated cardiomyopathy and in those that have undergone heart transplantation. Specifically, autoantibodies were identified that reacted against subcellular contractile proteins of the sarcomere, namely myosin heavy chain, actin, tropomyosin, troponins and heat shock proteins in patients with dilated cardiomyopathy. Patients undergoing hyper acute rejection also demonstrated a high incidence of autoantibodies and in the long term showed a worse survival than those without antibodies. Subsequent to my PhD, I have continued to work in the cardiac field analysing specific protein changes such as ubiquitination and those involved in left ventricular device remodelling. I now work in valve biology, pathobiology and tissue engineering to gain an understanding of the sophisticated functions of the aortic valve which houses unique populations of endothelial cells and fibroblasts. These cells play crucial roles in homeostasis of the valve and transplantation of living valves, as in the Ross procedure, provides superior benefits to patients. We are currently working on a tissue engineered valve that will incorporate the unique features of the living valve.



Oyere Onuma, MD, MSc



Dr Oyere K. Onuma is a trained cardiologist and cardiovascular epidemiologist, originally from Nigeria. She graduated from the following institutions in the United States: Harvard College with an S.B. in Biomedical Engineering, Yale University School of Medicine with an M.D., and Harvard School of Public Health with a MSc. in Epidemiology. She completed her clinical training, including a residency in internal medicine and fellowship in cardiology, at the Massachusetts General Hospital and Harvard Medical School in Boston. Prior to joining WHO, Dr. Onuma was a post-doctoral research fellow at the Framingham Heart Study with a focus on cardiovascular risk prediction and novel risk factors, and a preventive cardiologist in the Veterans Affairs (VA) Healthcare system in Boston. Dr Onuma joined the WHO Department for Management of Noncommunicable Diseases, Disability, Violence and Injury Prevention (NVI) in September 2015 as a Medical Officer. Her work focuses on implementing cardiovascular disease (CVD) management as a component of the WHO Global action plan for the prevention and control of noncommunicable diseases 2013-2020. In collaboration with key stakeholders, Dr Onuma works on developing policies and guidelines for global CVD risk assessment and management.



Rt Hon. Lord Paul Boatang



Rt Hon Lord Paul Boateng is a leading figure on Africa and its development and a member of the UK House of Lords, having been raised to peerage in July 2010. Appointed Chief Secretary to the Treasury in May 2002 under Prime Minister Rt Hon Tony Blair, he then took the office of the British High Commissioner to South Africa from March 2005 to May 2009. In March 2012 he was invited to become a Trustee of the Planet Earth Institute and remains a strong voice for the PEI across Africa and beyond.



Peter Zilla



Prof. Peter Zilla is an academic cardiovascular- and thoracic surgeon who is chief of adult (Groote Schuur Hospital) and paediatric (Red Cross Children's Hospital) cardiothoracic surgery and director of the Cardiovascular Research Unit at the University of Cape Town, South Africa. He holds an MD degree of the University of Vienna (1980); a DMed of the University of Zurich (1983) and a PhD of the University of Cape Town (1990). In his capacity as chief of the 'Christiaan Barnard Department' where the first human heart transplantation was performed in 1967, he has built up a training program for cardiothoracic surgeons from the African continent and leads surgical missions into neighbouring countries with the goal of establishing self-sufficient Units there. As the director of a cardiovascular research institution that integrates all sub-disciplines of tissue regeneration such as polymer sciences; molecular and cell biology; experimental surgery; finite element modelling; electron microscopy and immunology he established and broadly applied to patients the first tissue engineering method for vascular grafts in the 1980s and focused on improvement and extended longevity of heart valve prostheses for patients with rheumatic heart disease in the developing world in the past 15 years. He has also become a leading pioneer in efforts to broaden the access of patients from developing countries to heart valve surgery through novel non-invasive procedures.



Pierre Smeesters



Pierre Smeesters is a paediatrician with strong research interest in vaccine and new diagnostics for infectious diseases. He is the head of the paediatric department from the Academic Children's Hospital Queen Fabiola at the Free University of Brussels (ULB) in Belgium. He is also leading a research group in Microbiology and Infectious Disease Fabiola at the Free University of Brussels. Pierre has had a broad range of clinical and research experiences in a number of diverse settings including Perou, Brazil, Australia and Belgium. He has been appointed as Honorary Senior Lecturer from the University of Melbourne and Senior Research Fellow from the Murdoch Children's Research Institute in Australia. Pierre's team has developed new diagnostic tools for pharyngitis and pneumonia. His team has also set up and validated a new typing tool for *Streptococcus pyogenes* which has been endorsed by the American CDC and is now broadly used for molecular typing and vaccine development.





Robert Andrew Smith



Dr Robert Smith qualified in medicine from the Royal Free Hospital (University of London) in 1993. He gained fellowship of the Royal College of Anaesthetists in 1998 and was appointed as consultant in anaesthesia & intensive care at the Heart Hospital (University College London Hospitals) in 2001. In 2015 he moved to the Bart's Heart Centre in London (Bart's Health) as a consultant in anaesthesia and intensive care. He has wide experience in anaesthesia for cardiac and thoracic surgical procedures and has a particular interest in teaching and training skills in peri-operative transoesophageal echocardiography.



Salim Yusuf



Salim Yusuf, Distinguished University Professor of Medicine, and Executive Director of the Population Health Research Institute, McMaster University and Chief Scientist, Hamilton Health Sciences in Ontario, Canada.

Salim Yusuf is an internationally renowned cardiologist and epidemiologist, whose work over 40 years has substantially influenced prevention and treatment of cardiovascular disease worldwide. Born in India, medically qualified at St John's Medical College, Bangalore in 1976, he received a Rhodes scholarship and obtained a DPhil from Oxford, during which he (along with Richard Peto, Rory Collins and Peter Sleight) initiated the concepts of large, simple trials, and meta-analysis. He proposed the concept of combination drug treatment for prevention of CVD to achieve large reductions in CVD with a single pill (now called the polypill concept), but more importantly has been evaluating the concept through large randomized trials. He leads several global studies involving >60 countries in every inhabited continent of the world aimed at enhancing knowledge about the biological, behavioural and societal causes, consequences, and approaches to control of heart diseases, and strokes through large multi-country programs such as INTERHEART, INTERSTROKE, PURE and most recently the million person surveillance program with the Government of Kerala –aimed at controlling CVD and other NCDs in a state of 34 million people— KIRAN.

He holds a Heart and Stroke Foundation of Ontario Research Chair and has received (among others) the Lifetime Research Achievement award of the Canadian Cardiovascular Society; the Paul Wood Silver Medal of the British Cardiac Society; the European Society of Cardiology gold medal, the clinical Research Prize of the American Heart Association and the International award and the Braunwald lecture of the American College of Cardiology. He has been inducted into the Royal Society of Canada and the Canadian Medical Hall of Fame; been appointed as an Officer of the Order of Canada, and received the Canada Gairdner Wightman Award in 2014.

He has published over 1000 articles in refereed journals, and was the second most cited researcher in the world for 2011. He has mentored over 120 scientists, several of whom are in leadership positions across the globe. He has been President of the World Heart Federation (2015-2016), where he had initiated several programs (the Emerging leaders program, road maps for CVD control and a course for training primary care practitioners in CVD prevention) aimed at halving the CVD burden globally within a generation.

Sameh Shahin





Shehab Anwer



Shehab Anwer is a cardiology fellow in the inherited cardiomyopathies unit at 'Magdi Yacoub Heart Foundation' since 2014; and in addition to his clinical post, he is the foundation's research data manager, whose work is based on Research Electronic Data Capture system administration and research protocols and workflow assessment. Also, he is a 'Medical Needs Assessment' physician at the United Nations High Commissioner for Refugees since 2016.

Shehab graduated with honours from School of Medicine, Ain Shams University in 2011. His post graduate studies and research are mainly about research methodology, infective endocarditis, inherited cardiomyopathies, and of course, rheumatic heart disease; along with his experience in health information technology services and big data management.

According to his résumé, his objective is quoted "I see medicine and surgery an art, a lifestyle and a goal. As a cardiologist, I believe it is not all about prescribing drugs, or procedures; this specialty is not a standalone, it is multi-disciplinary act. Thus, one needs education, research and experience to improve his skills to enlighten his practice in order to be able to relieve the diseases' burden off individuals and whole society at any level - from prevention, to rehabilitation."

Recent publications:

- Multi-centre Experience in electronic data management: Another step towards an efficient data collection. Anwer S., Moharem-Elgamal S., Atef M., Sarkees T., Abdelfattah A., Meshaal M., Hosny H.

Eur J Prev Cardiol. Vol 23, Issue 2 suppl, pp. 41 – 55. First published date: October-26-2016. DOI: <http://dx.doi.org/10.1177/2047487316668070>

- Myocardial infarction masking infective endocarditis. S. Anwer, M. Atef, N. Hassan, Y. Aboufotouh, S. Moharem-Elgamal, A. Katta, M. Seleem, M. Meshaal. Eur Heart J Cardiovasc Imaging (2016) 17 (suppl 2): ii81-ii87. First published online: 10 December 2016 (1 pages). DOI: <http://dx.doi.org/10.1093/ehjci/jew247>



Shiranee Sriskandan



Shiranee Sriskandan is Professor of Infectious Diseases at Imperial College London and an Infectious Diseases clinical consultant. She leads the Gram Positive Pathogenesis research group, in addition to being the Lead for the Applied Molecular Bacteriology theme of the NIHR Health Protection Research Unit in Healthcare Associated Infections and Antimicrobial Resistance, in partnership with Public Health England, and Imperial's Biomedical Research Centre. Her research group addresses the mechanisms by which *Streptococcus pyogenes* causes extreme clinical phenotypes in individuals and populations, examining the interface between pathogen molecular microbiology and host immune response. Having trained in medicine at Cambridge University and Barts, she specialised in Infectious Diseases in London. She obtained her PhD in London, then held MRC and GSK postdoctoral research fellowships. She has held expert advisory roles in relation to maternal sepsis, use of intravenous immunoglobulin, streptococcal vaccines, and streptococcal prevention in healthcare and household settings.





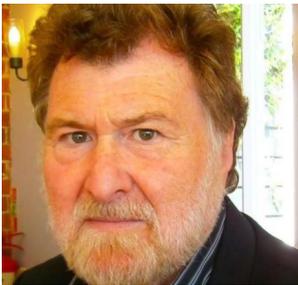
Stuart Connolly



Dr Stuart Connolly is a Professor of Medicine at McMaster University in Ontario and a Cardiac Electrophysiologist at Hamilton Health Sciences, Ontario, Canada.

Dr Connolly holds a Master's degree from Fordham University, New York, USA and an MD from McGill University in Montreal, Canada. He received his specialist training in Cardiology at the University Of Toronto, Canada and at Stanford University, USA. Dr Connolly became a faculty member at McMaster University in 1983 and was awarded a full Professorship in 1994. As well as being an active Clinical Cardiologist, Dr Connolly held the position of Director of the Division of Cardiology between 2005 and 2015. He was also appointed as the inaugural holder of the Salim Yusuf Chair in Cardiology at McMaster University during that time. His main research interests include the evaluation of treatments for heart rhythm disorders, and his academic career has been largely dedicated to the design and execution of controlled clinical trials in this area.

Dr. Connolly is an Editorial Board member for a number of prominent Cardiology journals, including Heart, the Journal of Pacing and Electrophysiology, and Journal of the American College of Cardiology. He has also authored and co-authored more than 345 scientific articles in the field.



Stuart Spencer



Stuart joined The Lancet in 1999 and throughout his time there has led the Fast Track team that aims to select, review and publish prestigious manuscripts within 4 weeks of receipt. Although dealing with all areas of research, he deals with most of the cardiology submissions.

Stuart's background is in research which started at the Brompton Hospital, London, looking at spinal curvature in children before moving to the Veterinary School site at Bristol University. During this period he was invited to establish a research unit in The Netherlands. Later he set up a research team for a major pharmaceutical company in Switzerland for a year, and then spent 9 years as a senior researcher in New Zealand. He has also had two senior research fellowships at Leuven University, Belgium, and visiting professorships at King's College, London and Hong Kong University, and an honorary doctorate of medicine from Umea University, Sweden. A broad biomedical research base in different settings (Universities, government and industry) in front-line research has given a clear understanding of principles in research and publications applicable across disciplines. Stuart is also a Trustee of the Scoliosis Association (UK), is on the British Scoliosis Research Fund grants committee and the steering Committee of the Swedish national GP Research School.



Sue Wright, MBBS, FRCA, FFICM



Dr. Sue Wright was born and educated in Zimbabwe. She graduated in medicine from the University of London in 1984 and subsequently gained fellowship of the Royal College of Anaesthetists in 1991. She has worked as an anaesthetist in Southern Africa and in the UK. She established and led the peri-operative echocardiography service at the Heart Hospital. Before moving to her current post as a consultant anaesthetist at St. George's Hospital in London. With two colleagues she co-invented the HeartWorks echocardiography simulator in 2008 and has continued to develop this teaching tool since, as well as authoring a TOE e-learning programme. Dr. Wright has directed theatre- and simulator-based TOE courses on a regular basis, as well as participating in TOE educational activities in the USA, Europe and Africa.



Sylvain Chauvaud



UNIVERSITY:

- Monitor of physiology - U.E.R - KREMLIN BICETRE – France – 1971
- Medical Doctor – PARIS – France – 1976 Thesis : November 15th 1976
- Senior Resident – Cardio-Vascular Surgery – Broussais Hospital – PARIS – France – 1976.
- Board of General Surgery – 1981.
- Board of Cardio-Vascular Surgery – PARIS – France – 1999
- Professor of Cardiac Surgery(Medical college) 2005

HOSPITAL:

- Intern « Hôpitaux de PARIS » – 1968.
- Resident « Hôpitaux de PARIS » – 1970.
- Senior Resident « Hôpitaux de PARIS »
Thoracic Surgery and Cardio-Vascular Surgery:
- Professor DUBOST Department 1976-1982
Broussais Hospital – Paris – France
- Professor CARPENTIER Department 1982-1984
Broussais Hospital – Paris – France
- Consultant
- Dr CARPENTIER Department 1984-1998
Broussais Hospital – Paris – France
- Dr DELOCHE Department 1998-2000
Broussais Hospital – Paris – France
- Dr DELOCHE Department 2000-2011
European Georges Pompidou Hospital – Paris - France

SCIENTIFIC SOCIETY

- Société Française de Cardiologie.
- Société de Chirurgie Cardio-Vasculaire et Thoracique de Langue Française.
- Collège de Médecine des Hôpitaux de Paris.
- American Association of Thoracic Surgery.
- European Association for Cardio-Thoracic Surgery.

Number of international publications: 101

CHAINE de l'ESPOIR

General Secretary and operative mission with training in Senegal, Afghanistan, Jordan, Kurdistan etc





Tom Parks



Tom Parks is a Medical Research Council Clinical Research Training Fellow investigating genetic susceptibility to group A streptococcal (GAS) disease. His research focuses on genetic susceptibility to the extreme manifestations, RHD and invasive infection. In the Pacific we have recently begun a case-control study of RHD based at the Colonial War Memorial Hospital, Suva, Fiji, in collaboration with the Fiji Ministry of Health and the Fiji National University, as well as Dr Andrew Steer and colleagues from the University of Melbourne. We have also begun a second case-control study at the Centre Hospitalier Gaston Bourret, Nouméa, New Caledonia, in collaboration with Dr Mariana Mirabel from Institut National de la santé et de la recherche médicale (INSERM). At both sites we will also enrol patients with invasive infection, in New Caledonia with the assistance of the Institut Pasteur de Nouvelle-Calédonie.

In the UK we are working with Theresa Lamagni and colleagues at the Health Protection Agency Centre for Infections, Rebecca Cordery at the North Central Northeast London Health Protection Unit, and Shiranee Sriskandan Imperial College London to recruit patients with previous invasive streptococcal infection, a project assisted by the Lee Spark Necrotising Fasciitis Foundation.

Tom completed his undergraduate training at Selwyn College Cambridge before joining the Oxford University Clinical Academic Graduate School for his Foundation and Core Medical Training. During his undergraduate training he worked in the laboratories of Professor Andrew Lever at Cambridge and Professor Mike Levin in London. Since joining the Hill Laboratory in 2009 he has also worked on projects investigating susceptibility to *Pneumocystis jirovecii* and leprosy.



Victoria Delgado, MD, PhD



Victoria Delgado received her medical degree at the University of Barcelona, Spain, in 1999. In 2010, she received her doctorate degree at the University of Leiden and is currently staff member of the non-invasive cardiac imaging department of the Leiden University Medical Center. She is currently fellow of the European Society of Cardiology and is member of the ESC Guidelines committee and the European Association of Cardiovascular Imaging. Her main areas of research are non-invasive cardiac imaging, focusing on left ventricular mechanics assessment and valvular heart disease evaluation, together with transcatheter valvular implantation procedures and cardiac resynchronization therapy.



Wael AbdelAal



Medical Director Aswan Heart Center-Magdi Yacoub Foundation
President of the Egyptian Telemedicine Foundation

Wael Abdelaal is a practicing pediatric cardiologist, and currently serves as Medical Director of the Aswan Heart Center “Magdi Yacoub Foundation”. Dr. Abdel Aal’s involvement in charity healthcare programs exposed him to the deficiencies in healthcare provision particularly to remote and underserved communities. His work subsequently lead to his involvement in Telehealth and the founding and chairing of The Egyptian Telemedicine Foundation (ETF) www.telemedegypt.org . ETF is now spearheading many successful telehealth outreach programs inside Egypt and is in the process of expanding its initiatives to Africa with a vision that ICT will empower healthcare providers to bring quality healthcare to the underserved populations.

Wafaa El Aroussy



Yasmine Aguib, Dr. rer. nat.



Dr Yasmine Aguib’s work at the Aswan Heart Research Centre aims at understanding the role of molecular determinants of Heart disease and recovery mechanisms distinguishing disease etiology and manifestation in the Egyptian and North African population. Her goal is to contribute to developing powerful disease prevention and prognostic strategies and to bringing personalized medicine forward in North Africa.

Dr. Aguib has studied Molecular Medicine and Biotechnology at the Technische Universität München. Her previous work was focusing on understanding molecular mechanisms of Proteinopathies, such as neurodegenerative diseases. She has received several awards, such as the DAAD Fellowship for Young Researchers and the Presidential Science & Engineering Research Fellowship. In frame of the German Excellence Initiative she was appointed as a scientific consultant to the TUM president in the fields of life sciences and international strategic alliances. Dr. Aguib is Deputy Director of Molecular Research at the Magdi Yacoub Foundation. She is contributing to the implementation and execution of AHC Research Strategy that consists of a continuum of population science, translational, and basic science research targeting a large number of complex Cardiovascular Disease conditions in the region.



GENERAL INFORMATION



The conference hosting city is Cairo. Cairo is the capital of Egypt and the largest city in the Middle-East and second-largest in Africa after Lagos. Its metropolitan area is the 16th largest in the world. Located near the Nile Delta, Nicknamed “the city of a thousand minarets” for its preponderance of Islamic architecture.

Cairo has been along a center of the region’s political and cultural life. Cairo is also associated with Ancient Egypt as it is close to the ancient cities of Memphis, Giza and Fustat which are near the Great Sphinx and the pyramids of Giza.

MEETING VENUE

JW Marriott Hotel Cairo, Egypt



HOUSING

JW Marriott Hotel Cairo, Egypt

All rooms are booked on Bed & breakfast basis

Check In Time 2:00 p.m.

Check out Time 12:00 p.m.



ELECTRICITY

The electricity supply in Egypt is 220 Volts, 50 Hz.

Most hotels can also provide 110 Volts outlets.

CURRENCY BANKING (RATES ARE SUBJECTS TO MARKET FLUCTUATIONS)

- Egyptian Pound (EGP) is the official currency in Egypt.
- Foreign currency exchange is available in most of the hotels, banks and currency exchange offices.
- ATM machines are available all through the city, and at the conference centre.

LANGUAGE

- The official language of the country is Arabic, however English is widely used.
- The official language of the conference is English.
 - All lectures and presentations will be held in the English language only.
 - There will be no translation available.

REGISTRATION HOURS

Day & Date	Time
Friday 13th of January 2017	08:30 -16:00
Saturday 14th of January 2017	08:30 -17:00
Sunday 15th of January 2017	08:00 -16:00
Monday 16th of January 2017	08:30 -11:00

BADGE

All delegates and exhibitors must have their name badge to have access to conference sessions, lunches and social events.

No exceptions will be made

CREDIT HOURS SYSTEM

Individual Credit hours for attending the conference (According to Barcode System) Credit hours for the different sessions will be provided at end of each session, certification with the number of credit hours will depend on getting a proof from attendance analysis of the bar code system. Certificate of attendance will be issued ONCE with the actual ratio of scientific attendance.

BARCODE

- Barcode will be printed on all badges of participants.
- All access to Halls of the conference will be with the badge.
- Barcode System will allow the calculation of participated hours in each session for each candidate.

MEALS TIMINGS

Day	Meal	Time	Venue
<i>Friday 13th of January 2017</i>	Lunch Coffee Break	11:30-13:00 15:30-16:00	The Dome Foyer Sakara 2
<i>Saturday 14th of January 2017</i>	Coffee Break 1 Lunch Coffee Break 2 Faculty Dinner	11:30-11:45 14:30-15:30 17:30-17:45 20:00-22:00	Memphis 2 Tutankhamun 3 Memphis 2 TBC
<i>Sunday 15th of January 2017</i>	Coffee Break Lunch Symposium Gala Dinner	11:30-12:00 15:00-16:00 20:00-22:00	Memphis 2 Tutankhamun 3 TBC
<i>Monday 16th of January 2017</i>	Coffee Break 1 Coffee Break 2 Lunch	11:00-11:30 13:10-13:30 15:10-16:30	Memphis 2 Memphis 2 Tutankhamun 3

****All refreshments, lunches & Dinner activities will be served against coupon available in the meeting kit.**

****Each coupon is valid only for the meal mentioned on it and according to the timing mentioned.**



AUDIO-VISUAL INSTRUCTIONS

Dear Speaker

You will soon be presenting at the meeting and we want this experience to go as smoothly as possible for you. On behalf of the conference organisers, ICOM will manage the Audio-visual services and provide you with assistance before, during and after your lecture.

Submitting your presentation

- All presentations should be entirely in English.
 - Please submit your presentation on flash/stick memory or CD/DVD.
 - Please make sure that the saved file(s) contain all media files included in your presentation.
- **For PC users**
 - All Presentations should be created by Microsoft Office.
 - For presentations included videos it's preferred to create it using the latest Microsoft PowerPoint.
 - Prezi presentations are supported.
 - Presenter view is not supported.
 - **For Mac users**
 - It's preferred to create your presentation using Microsoft Office for Mac.
 - Keynote files will be converted to Microsoft PowerPoint file to be compatible with our devices
 - **Hall Guidelines**
 - Please arrive at the congress hall 10 minutes prior to the beginning of your session.
 - Thank you for abiding by the allocated duration of your presentation.
 - A computerized countdown timer will be displayed on screen and will automatically close the Presentation once the time is finished.

CERTIFICATION

The Accreditation Review Committee (ARC) of the American Association of Continuing Medical Education (AACME) designates this medical education activity for a maximum of **36.50 hours** in the Category 1 credit of the AACME Designation.



IMPORTANT INFORMATION

- Wearing the Meeting Badge is obligatory all over the day.
- Attendees will not be allowed to be present in meeting premises without their personal badges.
- Smoking is absolutely forbidden.
- Mobile Phones should be set to silent or powered off inside halls.
- Children will not be allowed to enter the meeting area.



SCIENTIFIC PROGRAM

Friday 13th of January 2017

DAY01

Addis Ababa Communique Meeting

Time	Title	Presenters	Hall
08:00	Welcome	Bongani Mayosi and Brigitta Tadmor	Chephren 1
08:05 – 08:30	How to raise the profile of RHD in the Global Policy Agenda	Yusra Shawar	Chephren 1
08:30 – 11:30	Progress During 2016 and Plans for 2017		Chephren 1
	RHD Registers	Mark Engel	
	Penicillin	Sulafa Ali	
	Reproductive Health	Ana Olga Mocumbi	
	Decentralization	Lisel Zuhlke	
	Cardiac Surgery Centre's of Excellence	Renaef Stafford	
	National Programs	Chris Hugo- Hamman	
	Cost of Implementation Plan	David Watkins	
11:30-13:00	Prayer & Lunch	Prayer & Lunch	
13:30 - 15:30	Spotlight on penicillin allergy testing	Aidan Long	Chephren 1
	Spotlight on a proposed WHO Collaborating Centre on Acute Rheumatic Fever and Rheumatic Disease in Africa	Mark Engel	
15:30-16:00	Coffee Break	Coffee Break	
16:00 - 18:00	Priorities for 2017: 1-hour break-out session in 7 groups followed by 30 minute feedback	Workgroup Chairs	Chephren 1
18:00	PASCAR Governing Council		TBC

INVICTUS INVESTIGATORS MEETING

For Trial Members only

Time	Hall
09:30 - 11:30	Foyer Anti Room
11:30 - 13:00	Prayer & Lunch
13:30 - 15:30	Foyer Anti Room
15:30 - 16:00	Coffee Break

ECHO WORKSHOP: IN COLLABORATION WITH THE EGYPTIAN SOCIETY OF CARDIOLOGY

09:00 - 11.30

Hall: Chephren 3



Chairpersons (in alphabetical order):

Alaa ElGhamrawy

Alyaa Kotby

Aziz Madkour

Sameh Shaheen

09:00 - 09:20

WHF and WHO Criteria: From Concept to Application

Boglarka Remenyi - Australia

09:20 - 09:30

Discussions

09:30 - 09:50

Echocardiographic Views and Practical Tips

Wael AbdelAal - Aswan Heart Centre

09:50 - 10:00

Discussions

10:00 - 10:20

Assessing the Mitral Valve

Amir Anwar - Egypt

10:20 - 10:30

Discussions

10:30 - 10:50

Assessing the Aortic Valve

Wafaa Al Arousy - Egypt

10:50 - 11:00

Discussions

11:00 - 11:20

Other Manifestations

Maiy Hamdy El Sayed - Egypt

11:20 - 11:30

Discussions

11:30 - 13:00

Prayer & Lunch



Saturday 14th of January 2017

DAY02

INVICTUS INVESTIGATORS MEETING
For Trial Members only

08:30 - 11.30 Hall: Chephren 1

Chairpersons (in alphabetical order)

Bongani Mayosi
Salim Yusuf
Stuart Spencer

WORK SHOP 1:
HEARTWORKS SIMULATOR: FROM
ANATOMY TO ECHOCARDIOGRAPHIC VIEWS
SPONSORED BY CHAIN OF HOPE- UK

08:30 - 10.30 Hall: Chephren 3



Chairpersons (in alphabetical order)

Gavin Wright
Sue Wright

08:30 - 09:00 Anatomy to TOE Imaging: Aortic and Mitral Valves

09:00 - 10:00 Simulator hands-on TOE practice

10:00-10:15 Coffee Break 1

WORK SHOP 2:
HEARTWORKS SIMULATOR: FROM
ANATOMY TO ECHOCARDIOGRAPHIC VIEWS
SPONSORED BY CHAIN OF HOPE- UK

10:15 - 11:45 Hall: Chephren 3



Chairpersons (in alphabetical order)

Gavin Wright
Sue Wright

10:15 - 10:45 Anatomy to TOE Imaging: Aortic and Mitral Valves

10:45 - 11:45 Simulator hands-on TOE practice

INVICTUS INVESTIGATORS MEETING
For Trial Members only

12:00-17:00 Hall: Chephren 1

OPENING CEREMONY

11:55 - 12:15 Hall: Tutankhamun 2

Magdi Yacoub	Egypt
Rt Hon Lord Paul Boateng	UK
H.E. Ambassador Hamdi Sanad Loza	Egypt
Vice-Minister of Foreign Affairs for African Affairs	
H.E. Minister Ahmed Emad El Din	Egypt

EPIDEMIOLOGY, GLOBAL BURDEN

12:30 - 14:35 Hall: Tutankhamun 2

Chairpersons (in alphabetical order)

Bongani Mayosi
Galal El Said
Magdi Yacoub

12:30 - 12:50 **The Global Burden of Disease**
David Watkins - USA

12:50 - 12:55 **Discussions**

12:55 - 13:15 **Possible Geographic Determinants**
David Phillips - UK

13:15 - 13:20 **Discussions**

13:20 - 13:40 **Potential Atmospheric Factors**
Hesham Al Askary - USA

13:40 - 13:45 **Discussions**

13:45 - 14:05 **Genetic Determinants**
Tom Parks - UK

14:05 - 14:10 **Discussions**

14:10 - 14:30 **Lessons from Registries**
Lisel Zühlke - South Africa

14:30 - 14:35 **Discussions**

14:35-15:30 **Lunch**



PATHOGENESIS AND MOLECULAR VACCINOLOGY

15:30 - 19:15

Hall: Tutankhamun 2

Chairpersons (in alphabetical order)

Hussein Rizk

Shiranee Sriskandan

15:30 - 15:55	Virulence Vs. Rheumatogenesis <i>Shiranee Sriskandan - UK</i>
15:55 - 16:00	Discussions
16:00 - 16:25	Role of Molecular Mimicry <i>Madeleine Cunningham - USA</i>
16:25 - 16:30	Discussions
16:30 - 16:55	The Endothelium as a Target <i>Jagat Narula - USA</i>
16:55 - 17:00	Discussions
17:00 - 17:25	Global Molecular Heterogeneity of Streptococcus pyogenes <i>Pierre Smeesters - Austria</i>
17:25 - 17:30	Discussions
17:30 - 17:45	Coffee Break 2
17:45 - 18:10	Molecular Mechanisms of Calcification in Rheumatic Heart Valves <i>Najma Latif - UK</i>
18:10 - 18:15	Discussions
18:15 - 18:40	Epigenetics of Valve Interstitial Cells <i>Yasmine Aguib - Egypt</i>
18:40 - 18:45	Discussions
18:45 - 19:10	Testing Existing Vaccines <i>Boglarka Remenyi - Australia</i>
19:10 - 19:15	Discussions

Chairpersons (in alphabetical order)

Mohamed ElGuindy

Peter Zilla

08:30 - 08:55

Acute Rheumatic Fever: The Revised Jones Criteria

Boglarka Remenyi - Australia

08:55 - 09:00

Discussions

09:00 - 09:25

Acute Cardiac Affection

Jagat Narula - USA

09:25 - 09:30

Discussions

09:30 - 09:55

Clinical Presentation: Lessons from REMEDY

Ganesan Karthikeya - India

09:55 - 10:00

Discussions

PREVENTION AND SCREENING

10:00 - 11:30

Hall: Tutankhamun 2

Chairpersons (in alphabetical order)

Bongani Mayosi

Mohamed Sobhy

Salim Yusuf

10:00 - 10:25

Secondary Prevention Programs: Achievements and Challenges

Boglarka Remenyi - Australia

10:25 - 10:30

Discussions

10:30 - 10:55

Access to Antibiotics and Related Medical Information/Capacity

Florian Falch - Germany

10:55 - 11:00

Discussions

11:00 - 11:25

Debate: Echocardiographic Screening for Subclinical RHD: Added Value or Added Cost?

Pro:

Craig Sable - USA

Con:

Ganesan Karthikeyan - India

11:25 - 11:30

Discussions

11:30-12:00

Coffee Break



KEYNOTE LECTURE

12:00 - 12:30

Hall: Tutankhamun 2

Chairpersons (in alphabetical order)

Magdi Yacoub
Sameh Shahin

12:00 - 12:30

“The Challenge of Valve Surgery for Advanced Rheumatic Valve Lesions”
Alain Carpentier - France

CONTEMPORARY MANAGEMENT - 1

12:30 - 15:00

Hall: Tutankhamun 2

Chairpersons (in alphabetical order)

Johanna Tekkenberg
Jagat Narula
Magdy Abdel Hamid

12:30 - 12:55

Multi-Modality Imaging of Rheumatic Heart Valve Disease
Victoria Delgado - Netherlands

12:55 - 13:00

Discussion

13:00 - 13:25

Spatiotemporal Evaluation of Flow
Heba Aguib - Egypt

13:25 - 13:30

Discussion

13:30 - 13:55

Medical Treatment: Challenges and Controversies
Bongani Mayosi - South Africa

13:55 - 14:00

Discussion

14:00 - 14:25

Stroke Prevention: The Role of NOACs
Stuart Connolly - Canada

14:25 - 14:30

Discussion

14:30 - 14:55

Balloon Mitral Valvuloplasty: A Contemporary Review
Ahmed ElGuindy - Egypt

14:55 - 15:00

Discussion

LUNCH SYMPOSIUM

15:00 - 16:00

Hall: Tutankhamun 3

15:00 - 16:00

“The Expanded Utility of 3D Echocardiography in Rheumatic Mitral Valve Disease”
Hani Mahmoud

Chairpersons (in alphabetical order)*Adel El Banna**Ahmed Afifi**Sylvain Chauvaud***16:00 - 16:25****Surgery in RHD: The Role of Valve Reconstructive Procedures***Manuel Antunes - Portugal***16:25 - 16:30****Discussion****16:30 - 16:55****Towards Developing Trans Catheter Valves for RHD***Peter Zilla - South Africa***16:55 - 17:00****Discussion****17:00 - 17:25****Regional Centres of Excellence***Magdi Yacoub - Egypt***17:25 - 17:30****Discussion**

Monday 16th of January 2017

DAY04

AWARENESS AND DATABASES

08:30 - 10:30

Hall: Tutankhamun 2

Chairpersons (in alphabetical order)

David Philips

Stuart Spencer

Wael AbdelAal

08:30 - 08:55	Access to Rural Communities: Role of Technology <i>Azza El Shinnawy - Egypt</i> Samir Said - Egypt
08:55 - 09:00	Discussion
09:00 - 09:25	RHD Screening Databases <i>Mark Engel - South Africa</i>
09:25 - 09:30	Discussion
09:30 - 09:55	Role of Heart Valve Society <i>Johanna Tekkenberg - Netherlands</i>
09:55 - 10:00	Discussion
10:00 - 10:25	Hospital-based Databases <i>Shehab Anwer - Egypt</i>
10:25 - 10:30	Discussion

KEYNOTE LECTURE

10:30 - 11:00

Hall: Tutankhamun 2

Chairpersons (in alphabetical order)

Bongani Mayosi

Magdi Yacoub

10:30 - 11:00	“Towards Eradicating RHD- Where Science and Policy Cross Roads” <i>Salim Yusuf - Canada</i>
11:00-11:30	Coffee Break 1

GLOBAL AND REGIONAL INITIATIVES

11:30 - 15:10 Hall: Tutankhamun 2

Chairpersons (in alphabetical order)

Alaa ElGhamrawy

Bongani Mayosi

Magdi Yacoub

11:30 - 11:45	The World Heart Federation Roadmap to End Rheumatic Heart Disease <i>Ana Olga Mocumbi - Mozambique</i>
11:45 - 11:50	Discussion
11:50 - 12:05	The Addis Ababa Communique to End Rheumatic Heart Disease in Africa <i>Bongani Mayosi - South Africa</i>
12:05 - 12:10	Discussion
12:10 - 12:25	The role of RHD Action <i>Jeremiah Mwangi - Switzerland</i>
12:25 - 12:30	Discussion
12:30 - 12:45	The Role of the World Health Organization <i>Oyere Onuma - Switzerland</i>
12:45 - 12:50	Discussion
12:50 - 13:05	The Role of the African Union <i>Mabvuto Kango - Ethiopia</i>
13:05 - 13:10	Discussion
13:10-13:30	Coffee Break 2
13:30 - 13:45	The Saïgon Heart Institute in Vietnam: a 20-Year Transfer of Knowledge in a Developing Country <i>Alain Carpentier - France</i>
13:45 - 13:50	Discussion
13:50 - 14:05	Egypt's RHD Prevention Program <i>Alaa ElGhamrawy - Egypt</i>
14:05 - 14:10	Discussion
14:10 - 14:25	New Zealand's RHD Prevention Program <i>Diana Lennon - New Zealand</i>
14:25 - 14:30	Discussion
14:30 - 14:45	Namibia's RHD Prevention Program <i>Christopher Hugo-Hamman - South Africa</i>
14:45 - 14:50	Discussion
14:50 - 15:05	The Pacific Islands RHD Prevention Program <i>Marvin Allen - USA</i>
15:05 - 15:10	Discussion



LUNCH SYMPOSIUM

15:10 - 16:30

Hall: Tutankhamun 2

15:10 - 16:30

Big Data Cardiovascular Disease Management Platform and its Application in Personalized Medicine and Population Health

Wael Elseaidy

SPONSORED BY MEDSTREAMING



CLOSING REMARKS

16:30 - 17:30

Hall: Tutankhamun 2

16:30 - 17:30

"Where do we go from here?"

Bongani Mayosi - South Africa

ANNOUNCEMENT ABSTRACT WINNER

17:30 - 17:45

Hall: Tutankhamun 2

Ahmed ElGuindy - Egypt

Bongani Mayosi - South Africa

Magdi Yacoub - Egypt

PARTNERS IN ACTION



Egyptian Society of
CARDIOLOGY



THE LANCET



MEETING ORGANISER



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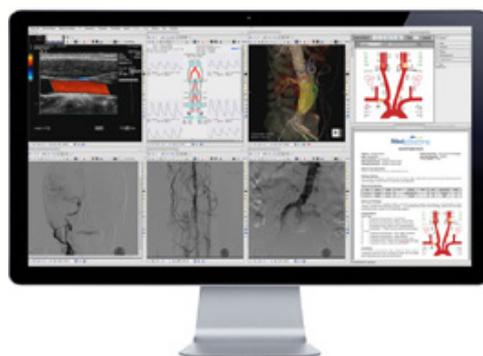
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