Cardiac Sciences Auditorium
3rd Floor, Advanced Cardiac Imaging Building
King Abdulaziz Cardiac Center
Tuesday, 19 February 2019, from 0730H to 1700H

Cardiac Sciences Research Day 2019

Adult Track & Pediatric Track
Program

Registration
0745 0800

Welcome Address
0800 0815
Professor Mohamed Al-Moamary
Executive Director, Medical Services
KAMC– Riyadh

Keynote Speaker
0815 0900
Dr Ahmed Al Askar
Executive Director, King Abdullah International Medical Research Center

Session I: Oral Presentation (Adult)
0900 1015

- 0900 ...... Ms Jawaher Towhari (EP)
- 0915 ...... Dr Mohamed Al Annany (Surgery)
- 0930 ...... Dr Abdulwahab Hussain (Cath)
- 0945 ...... Dr Turkeyah AlBacker (IM)
- 1000 ...... Ms Ruba Alahaideb (Clinic)

Coffee / Tea Break
1015 1030
Session II: Oral Presentation (Pediatrics)

1030 …… Ms Norah A Alsumih
1045 …… Dr Obayda Diraneyya
1100 …… Dr Ali Abdali
1115 …… Dr Dhafer Ali Alshahrani
1130 …… Dr Seham Osman Omer
1145 …… Dr Ghassan Shaath
1200 …… Dr Seham Osman Omer

Session III-A: Moderated Poster Presentation
Posters 1 to 9 (Adult)

1215 1300 Prayer / Lunch Break
**Program**

1300 - 1400

**Session III-B:**
*Moderated Poster Presentation*

Posters 10 to 18 (Adult)

1400 - 1600

**Session IV: Oral Presentation**
*(Adult)*

1400 …… Mr Fadi Obeid (Clinic)

1415 …… Dr Jabir Farea (Imaging)

1430 …… Ms Lama Alenazi (Echo)

1445 …… Dr Mohamed Al Annany (Surgery)

1500 …… Ms Ahad Aloayed (Echo)

1515 …… Dr Amal Alfarhan (IM)

1530 …… Dr Abdullah Shousha (Surgery)

1545 - 1615

**Judges Deliberation for the Awards**

1615 - 1700

**Awards Ceremony**

Cardiac Sciences Research Day 2019
## Awards

### Oral Awards (Adult Track)
- 1st Place Oral Presentation Award
- 2nd Place Oral Presentation Award

### Oral Awards (Pediatric Track)
- 1st Place Oral Presentation Award
- 2nd Place Oral Presentation Award

### Poster Presentation (Adult Track)
- 1st Place Poster Award
- 2nd Place Poster Award
Adult Track & Pediatric Track
1. Evaluation of the Diagnostic Accuracy of Smartphone Electrocardiogram Recorder Compared to Standard 12 lead Electrocardiography in Hospital settings
Jawaher Towhari, Nazish Masud, Haitham Alanazi

2. Outcome after mitral valve repair for functional ischemic mitral regurgitation.
Mohamed Al Annany, Rawdene Van Onselen, Abdullah Al Ghamdi, Ahmed A Arifi

3. Aortic Pulsatility, and Not Mean Arterial Pressure, is an Independent Determinant of Left Main Coronary Artery Disease
Abdul Wahab Hussain, Mohammad Balghith, Kamal Ayoub, Fayaz Khan, Samir Al-Chaghouri, Fawaz AlMutairi, Ali Alghamdi, Azra Mahmud

4. Prevalence of Hyponatremia Among Patients Who Used Indapamide and Hydrochlorothiazide: A Single Center Retrospective Study
M. Al Qahtani, T AlBacker, A Al Shahrani, A. Alskaini, N. Abukhalid, N. Al Johani, M. Al Ammari, L. Al Swaidan, S. Binsalih, A. Al Sayyari, A. Theaby

5. Prevalence and predictors of masked hypertension, white coat & non-dipping in an adult Middle-Eastern population
Ruba Alahaideb, Sara Alhelabi, Mayar Abanumay, Amgad Alonazy, Haifa Alshammary, Afnan Alfawwaz, Azra Mahmud

6. Anticoagulation Variability as Predictor of Bleeding in Patients with Mechanical Heart Valves
Fadi Obeid, Reem Sirryeh, Samia Refaeis, Iyad Farah, Samir Shnaikat, Azra Mahmud, Ahmed Alsaileek

8. Cardiac Tamponade, Prevalence and Causes in the Adult Population at King Abdul-Aziz Medical City in Riyadh, Echocardiography-Based Study
   Lama Alenazi, Nawal Mofarreh, Latifah Alhumaidi, Shaykhah Almutlaq, Norah Alghazi, Mohammad AlGhamdi

   Mohamed Al Annany, Mohamed Balghith, Ali Alghamdi, Kamal Ayoub, Ahmed A Arifi

10. Right ventricular involvement is associated with worse in-hospital outcomes among acute inferior wall myocardial infarction in Saudi population: A retrospective single center study
    Ahd Aloayed, Kholood Alqut, Dunya Almutairi, Munira Alqahtani, Areej Aljuhani, Amjad M Ahmed, Mohamed Alghamdi, Dalia Ahmed

11. Impact of DNR Order Placements on Patients Clinical Care
    Amal Alfarhan, Salem Baharoon, Abdulla Al Sayyari

12. Mitral Valve Repair and Mitral Valve Replacement with Total Chordal Preservation: Comparative evaluation of the left ventricular remodeling and function
    Abdulllah Shousha, Ahmad Omran, Alla Mohamed, Rawdene van Onselen, Abdullah Al Ghamdi, Ahmed A Arifi
1. **5-Year Survival, Performance and Neurodevelopmental Outcome of Children Post Cardiopulmonary Resuscitation After Cardiac Surgery**
Norah A Alsumih, Mohamed S Kabbani, Sarah A Alsadun, Hussam K Hamadah, Abdulraouf Jijeh

2. **Behavior of residual gradient after aortic coarctation repair: A longitudinal data analysis**
Osama M. Eldadah, MD, Obayda M. Diraneyya, MD, Abda A. Hrfi, MD, Mohammad Hassan A. Mohammed, MD, Maria L. Valls, MD, Ahmad Al-Omrani, MD and Abdullah A. Alghamdi, MD

3. **Activated clotting time (ACT) in children during cardiac catheterization with different heparin doses**
Mr. Ali Abdali, Mr. Ali Alshahrani, Mr. Faisal Alswaidan, Mr. Walead Almutairy, Mr. Mshari Alsaeed, Mr. Fawaz Alawadh, Dr. Mohammed Hassan, Mr. Fahad Alanazi, Dr. Omar Altamimi

4. **Left ventricular non-compaction (LVNC) in the setting of laterality defects (heterotaxy syndromes): Is there a specific association with left isomerism?**
Dhafer Ali F. Alshahrani, Hiba Saleh, Abdusselam M.A. Alsayad, Abdulraouf Jijeh, Jörg Männer, Talat Mesud Yelbuz

5. **New predicting factors for early degenerative changes of right ventricle– pulmonary artery Contegra® conduit**
Seham Osman Omer, Mohammed Issa, Fahad Al Habshan, Ahmed Al-Omrani, Abdullah Al Ghamdi, Talat Mesud Yelbuz, Omar Tamimi

6. **Stent or shunt - what could be better for children with duct dependent pulmonary circulation: a 10 years single center experience?**
Ghassan A. Shaath, Mohammed Alfararjeh, Mohammed Allugmani, Abdulraouf MZ. Jijeh, Fahad Alhabshan, Mansour Almutairi, Ahmed Alomrani, Omar Tamimi

7. **Is transposition of the great arteries (TGA) associated with shortening of the intrapericardial portions of the great arterial trunks?**
Seham Osman Omer, Fahad Al Habshan, Abdulraouf Jijeh, Natalia C. Caimbon, Carmelita C. Enriquez, Jörg Männer, Talat Mesud Yelbuz
1. Left Ventricular Outflow Tract Velocity Time Integral Equalize The Left Ventricular Ejection Fraction Ability to Define Heart Failure Patients with Reduced and Mid-Range Ejection Fraction
Rehab Saud Almutairi, Muna Omer Alsomali, Norah Khalid Al-khalifah, Raed Odeh, May Alkhateeb, Azhar Akhmimi, Amjad M. Ahmed, Abdelrahman Jamiel, Abedelmagid A. Mukhtar

2. Impact of lipid disorders on mortality among patients with heart failure.

3. Characteristics of Saudi patients with congestive heart failure and adherence to management guidelines in a tertiary hospital in Riyadh, Saudi Arabia
Mohammad Alqahtani, Thari Alanazi, Salih Binsalih, Naji Aljohani, Mohammed Alshammari, Ali Ashagag, Mohammed Abdullah, Sara Buabbas, Manar Abdulbaqia

4. Gender differences in the clinical characteristics of Saudi heart failure patients with subsequent stroke
Mohammad Alqahtani, Ali AlKhtaami, Mohammed AlGobain, Naji Aljohani, Salih A. Bin Salih, Fatimah AlShalati, Thari Alanazi

5. Predicting Postoperative Atrial Fibrillation Using CHA2DS2-VASc score: A Retrospective Observational Study
Dr. Abdullah AlJohani, Dr. Lama AlFehaid, Dr. Abdullah AlGhamdi, Dr. Hind Almodaimegh

6. The Incidence of Lethal arrhythmia and Sudden Cardiac Death in Non-Ischemic Cardiomyopathy Patients with Implantable Cardioverter Defibrillator or Cardiac Resynchronization Therapy Defibrillator In King Abdulaziz Cardiac Center, Riyadh
Nuha Abdulaziz Al-Ajlan, Ashah Lail Al-Adwany, Elham Saleh Al-Zahrani, Amany Mohammed Al-Toies, Afnan Abdulrahman Al-Warthan, Abdulmohsen Al-Mosaad, Shireen Mohammed

7. The degree and determinants of physical activity improvement in patients after cardiac devices implantation, a 3-month-follow-up study at KAMC, Riyadh, KSA
Sarah M. Alzahrani, MPH. Ahmed Alsaileek, MD., Haitham Alenazi, MD. Ashraf El-Metwally, MD

8. Demographic Differences Between Genders In Heart Failure Clinic: Does Outcome Affected?
May Al-Khateeb, Raed Odeh, Husam I. Ardah, Amjad M. Ahmed, Mukhtar Abdelmajed

Attayeb Alameen, Amjad M. Ahmed, Iyad Farah, Mohammed Aziz.
10. Blood Glucose Status Mediates Microvascular Dysfunction in Patients referred for Positron Emission Tomography
Awadelkarin Elneama, Mousa Alali Alfaris, Dalia Ahmed, Jabir Farea, Ihab Suliman, Mohsen Alharthi, Amed Alsaily, Mouaz Al-Mallah, Ahmed Aljizeeri, Saba Al Subaie, Nora Alarjani, Hussein Aleissa, Clairenne Mojica

11. Resistant hypertension- The Unconquered Frontier
Haifa Alshammary, Afnan Alfawwaz, Ruba Alahaideb, Sara Alhelabi, Mayar Abanumay, Amgad Alonazy, Azra Mahmud

12. Central aortic pressures and aortic stiffness are related to left ventricular dysfunction- the double-edged sword?
Shanei Ali Mohammed Shanei, Ali Alghamdi, Kamal Ayoub, Mohammad Balghith, Fayaz Khan, Amira Enezi, Bandar Al Haddadi, Hanan Al Shammary, Majed Battah Al Shammary, Azra Mahmud

13. Sex Differences In Invasive Measures Of Coronary Physiology In Patients Undergoing Cardiac Catheterization

14. The relationship between tricuspid regurgitation and cardiac device lead in adult patients at King Abdulaziz Cardiac Center.
Khawlah Abdulkareem, Shouq Bin Duhaim, Hind Alturiqi, Haya Alettel, Winnie Philip, Amjad Ahmed, Haitham Alanazi

15. A Retrospective Cohort Study to Evaluate Prolonged Mechanical Ventilation Related Risk Factors in Postoperative Cardiac Surgery Patients
Dr. Abdullah Al Johani, Dr. Mohammed Al Zahrani, Dr. Abdullah A. Alghamdi, Dr. Hind AlModaimegh

16. The effect of anemia on the coronary microcirculation as measured by vasodilator stress Positron Emission Tomography

17. Blood Pressure Control, Life Style and Disease Awareness among Saudi Hypertensive Patients
Huda Al Durahim, Abdulla Abdulaal, Abdulla Al Sayyari

18. Safety & Efficacy of Apixaban in Stroke Prevention for Cardiac Patients with Established Non-valvular Atrial Fibrillation
Daliah Ali, Iyad Farah ,Mohamed Abdulshafy, Alanoud Alsaud, Abdulmagid Mukhtar