PROGRAMME
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PRE-CONFERENCE WORKSHOPS

FRIDAY, NOVEMBER 3, 2017
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<tr>
<th>Venue</th>
<th>Full Day Workshops</th>
<th>8:30 am-17:30 pm</th>
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<tr>
<td><strong>High Fidelity Simulation Lab, CIME</strong></td>
<td><strong>Transcatheter Aortic Valve Replacement</strong></td>
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<td></td>
<td>Director: Dr. Osman Faheem MD FACC, Director of Structural Heart Disease, Assistant Professor of Medicine, Aga Khan University Hospital</td>
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<td></td>
<td><em>Morning and Evening Duplicate Sessions</em></td>
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<tr>
<td><strong>Debriefing Room, Ground Floor, CIME</strong></td>
<td><strong>Endovascular Aortic Aneurysm Repair: Awareness, Training &amp; Technical Details</strong></td>
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<tr>
<td></td>
<td>Director: Dr. Nadeem Ahmed Siddiqui, Consultant Vascular Surgeon, Department of Surgery, Aga Khan University, Karachi</td>
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<td></td>
<td>Co-Directors: Dr. Muhammad Azeemuddin, Consultant Radiologist, Department of Radiology, Aga Khan University, Karachi</td>
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<td></td>
<td>Dr. Khalid Makhdoomi, Head of Service, Consultant Vascular and Endovascular Surgeon, King Fahad Specialist Hospital, Dammam, Saudi Arabia</td>
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<tr>
<td>Venue</td>
<td>Morning Workshops</td>
<td>8:30 am-12:30 pm</td>
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<tr>
<td>Sonosim And Vimedex Echo Simulator Lab, CIME</td>
<td><strong>Echocardiography in Pulmonary Hypertension</strong></td>
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<td></td>
<td>Director: Dr. Nadeem Aslam, Assistant Professor, Paediatric Cardiology, Paediatrics &amp; Child Health, Aga Khan University, Karachi</td>
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<tr>
<td>Multipurpose Hall-A, Ground Floor, CIME</td>
<td><strong>Pulmonary Function Tests</strong></td>
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<td>Director: Dr. Hashir Majid, Assistant Professor, Section of Pulmonary and Critical Care Medicine, Department of Medicine, Aga Khan University, Karachi</td>
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<tr>
<td>Anatomy Dissection Hall, Medical College</td>
<td><strong>Aortic Root Surgery</strong></td>
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<td></td>
<td>Director: Dr. Shahid Sami, Consultant Cardiothoracic Surgeon, Department of Surgery, Aga Khan University, Karachi</td>
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<td>Co-Director: Dr. Muneer Amanullah, Associate Professor, Section of Cardiothoracic Surgery, Department of Surgery, Aga Khan University, Karachi</td>
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<tr>
<td>Conference Room, Ground Floor, CIME</td>
<td><strong>Epidemiological Research Methods in Cardiology</strong></td>
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<td><strong>Director:</strong> Dr. Tazeen Saeed Ali, Associate Professor And Assistant Dean, Research And Graduate Program, School Of Nursing And Midwifery &amp; Department Of Community Health Sciences, Aga Khan University, Karachi</td>
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<tr>
<td>Venue</td>
<td>Morning Workshops</td>
<td>8:30 am-12:30 pm</td>
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<tr>
<td><strong>Debriefing</strong> Room A, First Floor, CIME</td>
<td><strong>Bronchoscopy</strong></td>
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<tr>
<td><strong>Director:</strong> Dr. Muhammad Irfan, Associate Professor, Section of Pulmonary and Critical Care Medicine, Department of Medicine, Aga Khan University, Karachi</td>
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<tr>
<td><strong>Co-Directors:</strong> Dr. Talha Shehzad, Senior Instructor, Section of Pulmonology, Department of Medicine, Aga Khan University, Karachi</td>
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<td><strong>Dr. Nousheen Iqbal, Instructor, Section of Pulmonology, Department of Medicine, Aga Khan University, Karachi</strong></td>
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<tr>
<td><strong>Seminar Room, First Floor, Juma Building</strong></td>
<td><strong>Cardiac Stem Cells- Bench to Bedside</strong></td>
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<tr>
<td><strong>Director:</strong> Dr. Nazia Riaz, Assistant Professor, Department of Surgery, Aga Khan University</td>
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<tr>
<td><strong>Co-Director:</strong> Dr. Azhar Hussain, Director, Lab and Core Facilities, Aga Khan University Centre for Regenerative Medicine, Aga Khan University, Karachi</td>
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<tr>
<td>Venue</td>
<td>Afternoon Workshops</td>
<td>2:00 pm-5:30 pm</td>
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<tr>
<td><strong>Debriefing Room, First Floor, CIME</strong></td>
<td><strong>Research Grant Writing</strong>&lt;br&gt;Director: Dr. Anjum Halai, Professor of Education, Associate Vice Provost Research and Graduate Studies, Aga Khan University, Karachi</td>
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<tr>
<td><strong>Sonosim And Vimedex Echo Simulator Lab, CIME</strong></td>
<td><strong>Point of Care Echocardiography (POCE)</strong>&lt;br&gt;Director: Dr. Nadeem Aslam, Assistant Professor, Paediatric Cardiology, Paediatrics &amp; Child Health, Aga Khan University, Karachi</td>
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<tr>
<td><strong>Debriefing Room, Ground Floor, CIME</strong></td>
<td><strong>Lethal ECG’s: Problem Based Approach</strong>&lt;br&gt;Director: Dr. Aamir Hameed Khan, Associate Professor, Department of Medicine, Aga Khan University, Karachi</td>
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<tr>
<td><strong>Conference Room 1, Ground Floor, CIME</strong></td>
<td><strong>Nutrition Guidelines in Prevention and Management of Cardio Vascular Diseases: Implementation and Evaluation</strong>&lt;br&gt;Director: Dr. Aziz Jiwani, Assistant Professor, Department of Family Medicine, Aga Khan University, Karachi&lt;br&gt;Co-Director: Dr. Rubina Barolia, Assistant Professor and Assistant Dean Clinical, Aga Khan University, School of Nursing and Midwifery, Aga Khan University, Karachi</td>
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<td>Venue</td>
<td>Afternoon Workshops</td>
<td>2:00 pm-5:30 pm</td>
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</table>
| Classroom 5 School of Nursing & Midwifery | **Smoking Cessation**  
Director: Dr. Javed A Khan, Professor, Section of Pulmonary and Critical Care Medicine, Aga Khan University, Karachi |
| PBL Room 1, Ground Floor, CIME            | **Recent approaches for the diagnosis of respiratory tract infections**  
Director: Dr. Imran Ahmed, Senior Instructor, Section of Microbiology, Department of Pathology & Laboratory Medicine, Aga Khan University, Karachi  
Co-Director: Dr. Seema Irfan, Associate Professor, Section of Microbiology, Department of Pathology & Laboratory Medicine, Aga Khan University, Karachi |
| PBL Room 2, Ground Floor, CIME            | **Hearing patients’ stories, researching patients’ stories: Qualitative Research for specialists in lung and heart disease**  
Director: Professor Nelofer Halai, Professor, Institute for Educational Development, Aga Khan University, Karachi |
Day 1 - Inaugural Session
Friday, November 3, 2017
6:30pm - 8:30pm

6:30-6:40pm  Tilawat

6:40-6:50pm  Welcome Address
Professor Saulat H. Fatimi,
Chair, Organizing Committee

6:50-7:00pm  Remarks by President, Aga Khan University
Mr Firoz Rasul

7:00-7:10pm  Remarks by Dean, Medical College
Professor Farhat Abbas

7:10-7:20pm  Remarks by Dean, School of Nursing &
Midwifery
Professor David Arthur

7:20-8:00pm  Keynote Speech: The Global Burden of Disease - Heart and Lung Disorders in Perspective
Professor Adnan Ali Hyder
Johns Hopkins Bloomberg School of Public Health, USA

8:00-8:20pm  Literature Inspired by the Heart
Mr Anwar Maqsood,
Media Personality and Philanthropist

8:20-8:30pm  Closing Remarks
Dr Rubina Barolia
Co-Chair, Organizing Committee

8:30pm  Dinner at Male Hostel Lawn
CONFERENCE PROGRAMME
November 4-5, 2017
Day 2  
Saturday, November 4, 2017  
Registration Desk Opens At 8am

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<th>Sessions</th>
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| 7:00-8:30     | Breakfast With Speakers  
*Note: For Students and Trainees Only - Separate Registration Required* |
|               | **Plenary Session I – AKU Auditorium**                                    |
| 9:00-9:10     | Address By The CEO, The Aga Khan University Hospital  
*Mr Johannes Kedzierski* |
| 9:10-9:25     | Structural Heart Disease; Innovations In Treatment  
*Dr Osman Faheem*  
*Consultant Cardiologist, Assistant Professor Of Medicine, Director Of Structural Heart Disease, Section Of Cardiology, Department Of Medicine, Aga Khan University, Karachi* |
| 9:25-9:40     | Innovations In The Management Of Cardiac Electrophysiological Disorders  
*Dr Aamir Hameed Khan*  
*Associate Professor Of Medicine And Consultant Cardiologist, Director Cardiology Residency Program, Director Cardiac Electrophysiology And Device Therapy, Aga Khan University, Karachi* |
| 9:40-10:00    | Heart Failure Surgery; Innovations And Latest Research In Management Of Failing Hearts  
*Dr Zubair Luqman*  
*Staff Cardiac Surgeon, St.Boniface General Hospital, Winnipeg, Canada* |
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:00-10:20</td>
<td>Innovations In Treatment Of Non-Small Cell Lung Cancer</td>
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<td><strong>Dr Irfan Vaziri</strong></td>
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<td><em>Staff Medical Oncologist And Hematologist At Callahan Cancer Center In</em></td>
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<td><em>North Platte, Nebraska, USA</em></td>
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<td>10:20-10:40</td>
<td>Innovations In Risk Stratification For Pulmonary Arterial Hypertension</td>
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<td><strong>Dr Omar Minai</strong></td>
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<td><em>Senior Pulmonologist, Southside Regional Medical Center And Chippenham</em></td>
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<td><em>Hospital In Hopewell, Virginia, USA</em></td>
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<td>10:40-11:00</td>
<td>The Role Of Advanced Practice Nurses In Cardiac Sciences</td>
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<td><strong>Rozmeen Shivji</strong></td>
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<td><em>Acute Care Nurse Practitioner And Critical Care Specialist At The</em></td>
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<td><em>University Of Chicago Hospitals, USA</em></td>
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<td>11:00-11:20</td>
<td>Tea And Refreshments</td>
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<td>11:20-5:30</td>
<td>Parallel Scientific Sessions</td>
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<td>5:30-7:00</td>
<td>Posters</td>
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<td>Dedicated Time For Public Viewing</td>
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<td>7:00-8:30</td>
<td>Poolside Event Night At The Sports Center</td>
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<td>Nursing and Medical Students Of The Aga Khan University Hospital</td>
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<tr>
<td>8:30-10:00</td>
<td>Poolside Gala Dinner At The Sports Center</td>
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Day 3  
Sunday, November 5, 2017

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<th>Timings</th>
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</thead>
</table>
| 7:00-8:30 | **Breakfast With Speakers**  
  *Note: For Students and Trainees Only - Separate Registration Required* |
| 8:00-9:00 | **Posters:** Formal Viewing By Judges  
  *Note: Posters On Display For Public Review Throughout The Conference* |
<p>| <em>In Parallel</em> |                                                                 |
| 9:00-9:30 | <strong>Plenary Session II - AKU Auditorium</strong>                                  |
|           | <strong>Abstract Podium Presentations</strong>                                        |
|           | Post-Clinic Blood Pressure Values Are The Closest To The Gold Standard  |
|           | Ambulatory Blood Pressure Monitoring Readings                            |
|           | <strong>Dr Hunaina Shahab</strong>                                                    |
|           | Frequency Of Postoperative Cognitive Dysfunctions After General Anaesthesia |
|           | In Patients Undergoing Elective Non-Cardiac Surgeries                   |
|           | <strong>Dr Muhammad Saad</strong>                                                     |
|           | Lower Annual Cardiac Events In Diabetics With A Normal Exercise          |
|           | GMPI And A Functional Capacity                                           |
|           | <strong>Dr Nosheen Fatima</strong>                                                    |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>9:30-10:30</td>
<td>Panel Discussion&lt;br&gt;Prevention Is Better Than Cure: Education And Awareness For Healthy Living&lt;br&gt;Chair: <strong>Dr Anjum Halai</strong>&lt;br&gt;Professor of Education, Associate Vice Provost Research and Graduate Studies, Aga Khan University, Karachi&lt;br&gt;Panelists:&lt;br&gt;<strong>Dr. Batool Fatima</strong>, Human Development Programme Pakistan&lt;br&gt;<strong>Dr. Sadia Bhutta</strong>, Institute for Educational Development Pakistan&lt;br&gt;<strong>Yasmin Mehboob</strong>, Institute for Educational Development Pakistan&lt;br&gt;<strong>Slipa Aziz</strong>, Principal SMS Aga Khan School Karachi</td>
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<tr>
<td>10:30-10:45</td>
<td>Patient Advocacy: Global Trends and Latest Challenges&lt;br&gt;<strong>Dr Fatima Hameedullah</strong>&lt;br&gt;Patient Advocate and Physician, Heart, Lungs and Vascular Service Line, The Aga Khan University Hospital, Karachi</td>
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<td>10:45-11:05</td>
<td>Mountain Medicine: Cardiopulmonary Aspects&lt;br&gt;<strong>Maj. Gen. (R) Prof Muhammad Aslam</strong>&lt;br&gt;Professor and Pro-Vice Chancellor, National University of Medical Sciences, The Mall, Rawalpindi</td>
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<td>11:05-11:15</td>
<td>Prize Distribution For Oral Presentations And Best Posters</td>
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<td>11:15-11:30</td>
<td><strong>Tea And Refreshments</strong></td>
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<td>Time</td>
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<td>11:30-12:20</td>
<td><strong>Controversies In Clinical Practice</strong> Cardiologists And Cardiothoracic Surgeons Of The Aga Khan University Hospital Debate On the Following:</td>
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<td><strong>Debate 1</strong>: Transcutaneous Aortic Valve Replacement vs Surgical Aortic Valve Replacement</td>
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<td><strong>Debate 2</strong>: Multi-vessel Percutaneous Coronary Intervention vs Coronary Artery Bypass Grafting</td>
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<td>12:20-12:50</td>
<td>Panel Discussion Investing In Cutting Edge Technology In The Resource Limited Setting Of Low And Middle Income Countries: How Ethically Justified Is It? Chair: <strong>Dr Murad Moosa Khan</strong> Professor, Department of Psychiatry &amp; Co-Chair Bioethics Group, The Aga Khan University, Karachi Panelists: The Karachi Bioethics Group</td>
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<tr>
<td>12:50-13:00</td>
<td>Closing Remarks <strong>Dr Aamir Hameed Khan</strong></td>
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<tr>
<td>14:00-17:30</td>
<td><strong>Post-Conference Workshops</strong></td>
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POST-CONFERENCE WORKSHOPS

SUNDAY, NOVEMBER 5, 2017
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<th>Afternoon Workshops</th>
<th>2:00 pm-5:30 pm</th>
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<tbody>
<tr>
<td>Debriefing Room, Second Floor, CIME</td>
<td>Basic Left Heart Angiography Simulation</td>
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<tr>
<td>Director: Dr Muhammad Nasir Rahman, Assistant Professor, Section of Cardiology, Department of Medicine, Aga Khan University, Karachi</td>
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<tr>
<td>Debriefing Room, Ground Floor, CIME</td>
<td>Advances In Cardiac Imaging - New Windows Into Old Problems</td>
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<td>Director: Dr Syedah Saira Bokhari, Assistant Professor Cardiology, Aga Khan University, Karachi</td>
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<tr>
<td>Multipurpose Hall B, Ground Floor, CIME</td>
<td>Emergencies in Hypertension</td>
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<td>Director: Dr Aamir Hameed Khan, Associate Professor, Department of Medicine, Aga Khan University, Karachi</td>
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<tr>
<td>Multidisciplinary Lab, Medical College</td>
<td>Basic Techniques in Cardiovascular Research</td>
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<td>Director: Dr Satwat Hashmi, Assistant Professor, Department of Biological and Biomedical Sciences, Aga Khan University, Karachi</td>
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PARALLEL SCIENTIFIC SESSIONS

SATURDAY, NOVEMBER 4, 2017
I ADULT CARDIOLOGY

Venue: AKU Auditorium

Session 1: Prevention And Cardiac Imaging

Chair: Professor Pervez Iqbal, Interim Chair Biological & Biomedical Sciences At Aga Khan University, Karachi

Co-Chair: Sohail Abrar Associate Professor & Consultant Cardiologist & Director Echo Lab Tabba Heart Institute, Karachi

Moderator: Saira Bukhari, Assistant Professor, Section Of Cardiology, Aga Khan University, Karachi

11:20 Smart Heart: When Should We Start Prevention Of CAD?

Khawar Abbas Kazmi, Professor And Section Head Cardiology, Department Of Medicine, Aga Khan University, Karachi

11:40 Assessing Viability Of Myocardium: CMR, MPS Or DSE?

Fateh Ali Tipoo Sultan, Professor Of Cardiology & Director Imaging Services, National Institute Of Cardiovascular Diseases And Visiting Faculty Aga Khan University, Karachi
12:00  Cardiac CT: Applications And Advances
Nageeb Basir, Consultant Cardiologist
South City Hospital And Aga Khan University, Karachi

12:20  3D Echo: Applications And Advances
Syedah Saira Bokhari, Assistant Professor, Section Of Cardiology, Department Of Medicine, Aga Khan University, Karachi

13:00  Lunch And Prayer Break

Session 2:  Intervention And Structural Heart Disease
Chair:  Asad Pathan, Chief Of Cardiology & Director, Interventional Cardiology, Tabba Heart Institute, Karachi

Co-Chair:  Faisal Ahmed, Consultant And Head Of The Department Of Cardiology, Liaquat National Hospital, Karachi

Moderator:  Javed Majid Tai, Director, Interventional Cardiology Fellowship Program, Director, Cardiac Catheterization Laboratory, Assistant Professor Interventional Cardiologist, Aga Khan University, Karachi
14:00  **Keynote Speech**: Endovascular Therapy For Peripheral Arterial Disease

Faisal Hasan, Staff Cardiologist In The Heart And Vascular Institute At Cleveland Clinic Abu Dhabi

14:20  TAVI: Current Status & Future Directions

Osman Faheem, Consultant Cardiologist, Asst. Professor Of Medicine, Director Of Structural Heart Disease, Section Of Cardiology, Department Of Medicine, Aga Khan University, Karachi

14:30  Assessing Functional Significance Of Coronary Stenosis

Javed Majid Tai, Director, Interventional Cardiology Fellowship Program, Director, Cardiac Catheterization Laboratory, Assistant Professor Interventional Cardiologist, Aga Khan University, Karachi

14:50  Intravascular Imaging: Does It Have Incremental Value?

Nasir Rahman, Assistant Professor & Consultant Interventional Cardiologist

Section Of Cardiology, Department Of Medicine, Aga Khan University, Karachi
15:10  Percutaneous Coronary Intervention For Chronic Total Occlusion

Faisal Hasan, Staff Cardiologist In The Heart And Vascular Institute At Cleveland Clinic Abu Dhabi

15:30  Advanced Heart Failure- Advances In Drugs And Devices

Amin Rehmatullah, Cardiologist, Director, Advanced Heart Failure and transplant program, Director, Cardiac CT Program Metropolitan Heart and Vascular Institute, USA

15:50  Tea And Refreshments

Session 3:  Cardiac Electrophysiology And Devices

Chair:  Brig. Azmat Hayat, Head Of Department Cardiac Electrophysiology, Armed Forces Institute Of Cardiology, National Institute of Heart Diseases, Rawalpindi

Co-Chair:  Camer W. Vellani, Distinguished University Professor Emeritus, Aga Khan University, Karachi

Moderator:  Aamir Hameed Khan, Associate Professor Of Medicine And Consultant Cardiologist, Director Cardiology Residency Program, Director Cardiac Electrophysiology And
16:00    Multisite Pacing V/S Biventricular Pacing In Heart Failure

Faisal Qadir, Assistant Professor Cardiac Electrophysiology And Pacing, National Institute Of Cardiovascular Diseases, Karachi

16:20    Are Changes In The QRS Waveform During Exercise Useful Indicators Of Myocardial Ischemia?

Camer W. Vellani, Distinguished University Professor Emeritus, Aga Khan University, Karachi

16:40    Smash VT So It Will Vanish

Aamir Hameed Khan, Associate Professor Of Medicine And Consultant Cardiologist, Director Cardiology Residency Program, Director Cardiac Electrophysiology And Device Therapy, Aga Khan University, Karachi
II  CARDIOTHORACIC SURGERY

Venue: Lecture Hall 3

Chair: Professor Fazle Rabbi, National Institute Of Cardiovascular Diseases, Karachi

Co-Chair: Shahid Sami, Consultant Cardiac Surgeon, Aga Khan University, Karachi

Moderator: Muhammad Tariq, Cardiothoracic Surgery, Aga Khan University, Karachi

11:20 Keynote Speech: Heart Failure Treatment - Surgical Perspective And Newer Research

Zubair Luqman, Staff Cardiac Surgeon, St. Boniface General Hospital, Winnipeg Canada

11:40 Stem Cell Research For Cardiac Muscle Regeneration

Hasanat Sharif, Associate Professor, Aga Khan University, Karachi

12:00 Thoracic Trauma: The Largest Case Series From A Developing Country

Professor Aamir Bilal, Chief Of Thoracic Surgery Lady Reading Hospital, Peshawar.
12:20  Video Assisted Thoracoscopic Surgery And Major Lung Resections
       Ali Raza Khan, Cardiothoracic Surgeon, Shaukat Khanum Memorial Cancer Hospital, Lahore

12:40  Existence Of Renal Dysfunction In Diabetics Undergoing Coronary Artery Bypass Surgery
       Taimur Asif Ali, Assistant Professor, National Institute Of Cardiovascular Diseases, Karachi

13:00  Experts Panel Discussion:
       Mitral Valve Repair In Ischemic Heart Disease

       Ghufranullah Khan, Consultant Cardiac Surgeon Tabba Heart Institute, Karachi

       Sulaiman Hasan, Consultant Cardiac Surgeon Tabba Heart Institute, Karachi

       Khalid Rasheed Consultant Cardiac Surgeon Tabba Heart Institute, Karachi

       Zubair Luqman Staff Cardiac Surgeon, St. Boniface General Hospital, Canada

13:15  Lunch And Prayer Break
### PULMONOLOGY

**Venue:** Lecture Hall 1

**Session 1: Recent Advances In Pulmonary Medicine**

**Chair:** Omar Minai, Senior Pulmonologist, Southside Regional Medical Center And Chippenham Hospital In Hopewell, Virginia, USA

**Co-Chair:** Prof. Nadeem Rizvi, Head Of Department Of Pulmonology, Jinnah Post Graduate Medical Center, Karachi

**Moderator:** Hashir Majid, Assistant Professor, Pulmonary & Critical Care Section, Aga Khan University, Karachi

11:20 **Future Of Interventional Pulmonology In Pakistan**

Maj. Gen. Aslam Khan, Professor Of Medicine, Pulmonology & Critical Care, Army Medical College (NUMS), Islamabad & Dean Faculty Of Critical Care, CPSP

11:40 **Management Of Pulmonary Hypertension**

Omar Minai, Senior Pulmonologist Southside Regional Medical Center And Chippenham Hospital In Hopewell, Virginia, USA
12:00 Innovations In Management Of Respiratory Failure
Aftab Akhtar, Consultant Pulmonologist & Intensivist, Shifa International Hospital, Islamabad.

12:20 Advances In The Management Of Pleural Diseases.
Prof. Nadeem Rizvi, Head Of Department Of Pulmonology, Jinnah Post Graduate Medical Center, Karachi

12:40 Q&A Session

13:00 Lunch And Prayer Break

Session 2 Update On Chronic Lung Diseases
Chair: Prof. Sohail Akhtar, Professor And Consultant Pulmonologist, Indus Hospital, Karachi

Co-Chair: Prof. Javaid Ahmad Khan, Professor Pulmonary & Critical Care Section, Aga Khan University, Karachi

Moderator: Muhammad Irfan, Associate Professor, Pulmonary & Critical Care Section, Aga Khan University, Karachi
14:00  What’s New In Interstitial Lung Disease?
Saniya Khan, Consultant Pulmonologist & Intensivist, Cleveland Clinic, Abu Dhabi

14:20  Emerging Therapies In Obstructive Airway Disease
Murtaza Kazmi, Assistant Professor, Pulmonary & Critical Care Section, Aga Khan University, Karachi

14:40  New Insights In Pathophysiology Of Asthma And Emerging Therapies
Asif Ali Imam, Senior Lecturer & Consultant Immunologist, Pulmonary & Critical Care Section, Aga Khan University Karachi

15:00  Free Papers
1. High-Throughput Bead Based Suspension Array For The Detection Of Acute Respiratory Viral Pathogens Among Children In Pakistan. Fatima Aziz et al

3. Risk Factors Associated With In-Hospital Mortality In Patients Admitted With Community Acquired Pneumonia In A Tertiary Care Hospital, Karachi Pakistan. Nousheen Iqbal et al

15:25 Vote Of Thanks

Prof. Javaid Ahmad Khan, Professor Pulmonary & Critical Care Section, Aga Khan University Karachi

15:30 Tea And Refreshments
IV PAEDIATRIC CARDIOLOGY/CARDIAC SURGERY/Critical Care

Venue: Lecture Hall 3

Chair: Muneer Amanullah, Associate Professor & Congenital Cardiothoracic Surgeon Aga Khan University, Karachi

Co-Chair: Saleem Sadqani, Assistant Professor & Consultant Pediatric Cardiologist Aga Khan University, Karachi

Moderators: Nadeem Aslam, Assistant Professor & Consultant Pediatric Cardiologist Aga Khan University, Karachi

Waris Ahmad, Assistant Professor & Consultant Pediatric Cardiothoracic Surgeon, Aga Khan University, Karachi

14:00 Keynote Speech: Device Therapy And Heart Transplantation In Structural Heart Disease

Asif Hasan - Consultant Congenital And Transplant Surgeon, Freeman Hospital, Newcastle Upon Tyne, United Kingdom

14:30 Transcatheter Interventions In Structural Heart Disease

Mehnaz Atiq – Professor Of Paediatric Cardiology Aga Khan University, Karachi
14:50 Evaluation Of Pulmonary Hypertension In Unrepaired Septal Lesions - Close, Hold Back, Stay Away

Babar S. Hasan – Associate Professor, Paediatric Cardiology And Service Line Chief Of Children’s Hospital, Aga Khan University, Karachi

15:10 Tea And Refreshments

15:30 Right Ventricle To Pulmonary Artery Conduit – A Dilemma!

Syed Shahabuddin Sharfuddin - Assistant Professor Cardiothoracic Surgery, Aga Khan University, Karachi

15:50 Concept Of Radiation Safety In Cardiac CT Angiography

Fatima Ali, Fellow Paediatric Cardiology, Aga Khan University, Karachi

16:10 Role Of Cardiac MRI In Structural Heart Disease

Fateh Ali Tipoo Sultan, Professor Of Cardiology & Director Imaging Services, National Institute Of Cardiovascular Diseases And Visiting Faculty Aga Khan University, Karachi
V CARDIOTHORACIC ANESTHESIA

Venue: Debriefing Room, Ground Floor, CIME

Theme Preventing End Organ Damage During Cardiothoracic Surgery: Role Of Cardiothoracic Anaesthesiologists

Session 1

Moderator: Mohammad Irfan Akhtar, Associate Professor, Department Of Anaesthesiology, Aga Khan University, Karachi

14:00 Which Patients Are At Risk Of AKI During On Pump Cardiac Surgery: Strategies For Prevention

Hameed Ullah, Associate Professor, Department Of Anaesthesiology, Aga Khan University Hospital, Karachi

14:20 Lung Protective Strategies During One Lung Ventilation In Thoracic Surgery: Current Evidence

S. M. Nadeem, Consultant Anaesthetist, Liaquat National Hospital, Karachi

14:40 Cardiopulmonary Bypass For Cardiac Anaesthesiologist: What Is Important To Optimize Oxygen Supply To All Organs During Bypass?
Col. Rashad, Consultant Cardiac Anaesthetist, Department Of Cardiac Anaesthesia & ICU Armed Forces Institute Of Cardiology, National Institute of Heart Diseases, Rawalpindi

15:00 Transfusion In Pediatric Cardiac Surgery: Do We Have Useful Objective Triggers?

Amin Khawaja, Associate Professor, Head Of Department Of Anaesthesia & ICU - National Institute Of Cardiovascular Diseases, Karachi

15:20 Tea And Refreshments

Session 2 Credentialing For Transoesophageal Echo and Pakistan Association of Cardiothoracic Anaesthetists Certification- The Way Forward

Chair: Fazal Hameed Khan, Professor, Department Of Anesthesia, Aga Khan University, Karachi

Co-Chair: Hamid Iqil Naqvi, Associate Professor Department Of Anaesthesiology, Aga Khan University, Karachi

Moderator: Khalid Ahsan, Assistant Professor, Cardiothoracic Anesthesia, Aga Khan University, Karachi
15:40  How To Train And Become Credentialed In Transoesophageal Echo

Mohammad Hamid, Associate Professor, Department Of Anaesthesiology, Aga Khan University, Karachi

16:00  Guidelines Of Intraoperative Transoesophageal Echo For Cardiac Anaesthesiologists

Safdar Ali Khan, Consultant Anaesthetist, Kaul Associates, Hameed Latif Hospital Lahore

**Session 3  Intraoperative Pulmonary Hypertension**

Moderator: Mohammad Irfan Akhtar Associate Professor, Department Of Anaesthesiology, Aga Khan University, Karachi

16:20  Panel Discussion:

Managing Intraoperative Pulmonary Hypertension In Adult Mitral Valve Replacement

Panelists:

Rehana Yaseen, Professor And Head Of Department, United Medical College, Karachi
Shahid Ahmed, Consultant
Anaesthesiologist, Tabba Heart Institute, Karachi

Syed Shahabuddin Sharfuddin, Assistant Professor Cardiothoracic Surgery, Aga Khan University, Karachi

Khalid Samad, Associate Professor,
Department Of Anaesthesiology, Aga Khan University, Karachi
VI PATHOLOGY

Venue: Lecture Hall 2

Session Recent Advances In Diagnosis Of Pulmonary And Thoracic Pathology Session

Chair: Sheema Hasan, Professor Of Pathology, Aga Khan University, Karachi

Co-Chair: Muhammad Arif, Consultant Pathologist And Lecturer Department Of Pathology, Aga Khan University, Karachi

Moderator: Nasir Uddin Assistant Professor, Department Of Pathology, Aga Khan University, Karachi

11:20 Keynote Speech: Diagnosing Lung Cancer In Current Clinical Practice; A Pathologist’s Perspective

Qasim Ahmad, Chief Of Pathology, Fatima Memorial Hospital, College Of Medicine & Dentistry, Lahore

11:50 WHO Classification Of Thymic Tumors: An Overview

Naila Kayani, Professor And Consultant Histopathologist Department Of Pathology & Laboratory Medicine, Aga Khan University, Karachi
12:10 Diagnosis Of Mesothelioma: An Update
Rashida Ahmed, Professor And Consultant Histopathologist, Department Of Pathology & Laboratory Medicine, Aga Khan University, Karachi

12:20 Molecular Pathology Updates In Lung Cancer For General Pathologists
Qasim Ahmad, Chief Of Pathology, Fatima Memorial Hospital, College Of Medicine & Dentistry Lahore

12:50 Question And Answer Session
Panel Of Experts

13:00 Lunch and Prayer Break
VII THORACIC ONCOLOGY

Venue: Lecture Hall 2

Session New Research And Paradigms In The Management Of Lung Malignancies

Chair: Professor Hasan Manzoor Zaidi, Baqai Institute Of Oncology, Karachi

Co-Chair: Azmina Tajdin Vali Mohammed, Consultant Oncologist And Lecturer Aga Khan University, Karachi

Moderator: Munira Moosajee, Assistant Professor And Consultant Oncologist Aga Khan University, Karachi

14:00 Current Updates In AJCC Lung Cancer Staging

Dr. Samad Shah, Resident, Aga Khan University, Karachi

14:10 Keynote Speech: Treatment Considerations In Advanced Non-Squamous Non Small Cell Lung Cancer With Actionable Mutations

Irfan Vaziri, Staff Medical Oncologist And Hematologist At Callahan Cancer Center In North Platte, Nebraska, USA
<table>
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<tr>
<th>Time</th>
<th>Title</th>
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<tr>
<td>14:30</td>
<td>Treatment Considerations In Advanced Non-Squamous NSCLC Without Actionable Mutations</td>
<td>Najib Naimatullah, Consultant Oncologist, Sind Institute Of Urology And Transplantation, Karachi</td>
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<td>14:50</td>
<td>Minimally Invasive Approaches Towards Surgical Management Of Lung Cancers</td>
<td>Ali Raza Khan, Consultant Cardiothoracic Surgeon, Shaukat Khanum Memorial Cancer Hospital And Research Center And Doctor’s Hospital, Lahore</td>
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<td>15:10</td>
<td>New Strategies In The Management Of Malignant Pleural Effusion</td>
<td>Talha Shahzad, Senior Instructor Pulmonologist Aga Khan University, Karachi</td>
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<td>15:30</td>
<td><strong>Tea And Refreshments</strong></td>
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<td>16:00</td>
<td>Role Of Neoadjuvant Chemotherapy In Non-Small Cell Lung Cancer</td>
<td>Yasmin Abdul Rashid Assistant Professor &amp; Consultant Medical Oncologist Aga Khan University, Karachi</td>
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</tbody>
</table>
16:20  Checkpoint Inhibitors In Non Small Cell Lung Cancer – A New Standard Of Care.
Naila Zahid, Consultant Oncologist
Liaquat National Hospital, Karachi

16:40  Advances Related To Radiation In The Management Of Lung Cancers
Bilal Qureshi, Consultant Radiation Oncologist, Aga Khan University, Karachi

17:00  Closing Remarks
VIII NURSING

Venue: Aga Khan University School Of Nursing And Midwifery- JFM Lecture Hall

Session Outlooks In Advanced Cardiovascular Nursing

Chair: Shamsa Samani, Director, Nursing Department, Patel Hospital, Karachi

Co-Chair: Noor Ukani, Manager, Critical Care, National Institute Of Cardiovascular Diseases, Karachi

Moderators: Shirin Rahim Assistant Professor, School Of Nursing, Aga Khan University

Shehla Naeem, Associate Professor, School Of Nursing, Dow University Of Health Sciences, Karachi

11:20 Keynote Speech: Sooner Than Later: Early Detection Of Patient’s Clinical Deterioration

Rozmeen Shivji, Acute Care Nurse Practitioner And Critical Care Specialist At The University Of Chicago Hospitals, USA

11:50 Transformation Of Nursing Leadership In Cardiology For Next Generation
Brig. Kaneez Bibi, Matron, Combined Military Hospital, Lahore

12:10 Critical Challenges In Advancing Role Of Nurse Practitioners In Cardiology

Major Farzana, Matron, Armed Forces Institute Of Cardiology, National Institute of Heart Diseases, Rawalpindi

12:30 Nurses’ Role In Improving Extracorporeal Membrane Oxygenation Support

Rozmeen Shivji, Acute Care Nurse Practitioner And Critical Care Specialist At The University Of Chicago Hospitals, USA

13:00 Lunch And Prayer Break

14:00 Aga Khan University Hospital-Experiences Of Clinical Nurse Practitioners In Cardiothoracic Surgery

Tahira Faiz, Nurse Practitioner, Aga Khan University, Karachi

Cardiac Rehabilitation: Nurses Perspective

14:20 Laila Aslam, Manager, Nursing Education Services Tabba Heart Institute, Karachi

14:40 We Save Lives: The Impact Of Establishment Of A Cardiac Emergency Unit In Early Identification And
Management Of Acute Myocardial Infarction.

15:00  Amina Khan, Manager, Cardiac Service Line Aga Khan University Hospital, Karachi

15:20  **Tea And Refreshments**

15:40  A Nurse-Led Discharge Process Initiative With Telephonic Services Leading The Way To Improving Patient Satisfaction And Quality of Care

Shaista Meghani, Specialist Cardiac Service Line Aga Khan University, Karachi

16:00  Gender And Cardiovascular Disease

Rubina Barolia, Assistant Professor And Assistant Dean Clinical, Aga Khan University School Of Nursing And Midwifery, Karachi

16:20  Panel Discussion

Deans Of Schools And Colleges Of Nursing And Directors Of Nursing Services Of Hospitals In Karachi
IX  EMERGENCY MEDICINE

Venue:  Debriefing Room-Ground Floor, CIME

Session:  Emergency Care for Cardiopulmonary Challenges

Chair:  Professor Adnan Ali Hyder, Johns Hopkins Bloomberg School Of Public Health, USA

Co-Chair:  Professor Junaid Razzak, Department Of Emergency Medicine, Johns Hopkins School Of Medicine, USA

Moderator:  Madiha Ismail, Senior Instructor, Department of Emergency Medicine, Aga Khan University, Karachi

11:20  Welcome Address

11:25  Keynote Speech: Responding To The Out Of Hospital Cardiac Arrest – Successes And Challenges

Junaid Razzak, Professor And Director Telemedicine, Department Of Emergency Medicine, Johns Hopkins School Of Medicine, USA

11:45  Epidemiology And Outcomes Of Out Of Hospital Cardiac Arrest In A Developing Country – A Multicenter Cohort Study
Minaz Mawani, Senior Instructor (Research) At Aga Khan University, Karachi

12:05 Child Respiratory Distress Presentation In The Emergency Department

Asad Mian, Associate Professor And Chair Department Of Emergency Medicine, Aga Khan University, Karachi


Nadeem Ullah Khan Associate Professor Department Of Emergency Medicine, Aga Khan University, Karachi

12:45 Question And Answer Session

Panel Discussion

1300 Lunch And Prayer Break
RADIOLOGY

Venue: Multipurpose Hall, CIME

Session: The Science And Art Of Making A Diagnosis Using Images

Chair: Tariq Mehmood, Professor And Head Of Radiology, Cyberknife Robotic Radiosurgery, Jinnah Postgraduate Medical Centre, Karachi

Co-Chair: Saba Sohail, Professor, Department Of Radiology, Aga Khan University, Karachi.

Moderator: Naila Nadeem Associate Professor, Department Of Radiology Aga Khan University, Karachi

14:00 Value Of Cardiac MRI In Clinical Practice
Fateh Ali Tipoo, Professor Of Cardiology & Director Imaging Services National Institute Of Cardiovascular Diseases, Karachi

14:20 Functional Imaging Of Heart For Assessment Of CAD And LV Dysfunction
Maseeh Uz Zaman, Professor & Section Head Nuclear Medicine & PET/CT Imaging, Radiology, Aga Khan University, Karachi
14:40  Reliable Noninvasive Coronary Angiography With MDCT

Ahmad Murtaza Consultant Radiologist, Shalamar Institute Of Health Sciences, Lahore

15:00  Imaging In Non-Cardiovascular Thoracic Emergencies

Dawar Khan, Assistant Professor, Section Head Of CT Radiology, Department Of Radiology Aga Khan University, Karachi

15:20  Cosmic Black Holes and Radiation in Diagnostic Imaging - Challenges in Implementing Dose Reduction Initiatives

Mr. Mohammad Yusuf, Manager, Department of Radiology Aga Khan University Hospital, Karachi

15:40  Question and Answers Session

15:50  **Tea and Refreshments**
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<th>XI</th>
<th>OBSTETRICS AND GYNAECOLOGY</th>
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<tr>
<td>Venue:</td>
<td>Multipurpose Hall, CIME</td>
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<td>Session</td>
<td><strong>Fetal And Maternal Cardiovascular Functions And High Risk Pregnancy</strong></td>
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<tr>
<td>Chair:</td>
<td>Javed Majid Tai, Director, Interventional Cardiology Fellowship Program, Director, Cardiac Catheterization Laboratory, Assistant Professor Interventional Cardiologist, Aga Khan University, Karachi</td>
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<td>Co-Chair:</td>
<td>Lumaan Sheikh, Associate Professor And Maternal Medicine Consultant, Department Of Obstetrics And Gynaecology, Aga Khan University, Karachi</td>
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<td>Moderator:</td>
<td>Shazia Masheer Assistant Professor &amp; Maternal Medicine Consultant, Department Of Obstetrics And Gynaecology, Aga Khan University, Karachi</td>
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<tr>
<td>11:20</td>
<td>Free Paper: Cardiovascular Risk Assessment In Children Of Diabetic Mothers</td>
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<td>Zahra Hoodbhoy, Senior Instructor, Research, Dept Of Obstetrics &amp; Gynaecology, Aga Khan University, Karachi</td>
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11:30 Free Paper: Assessment Of Aortic Intima Media Thickness In Late, Preterm, Term-Growth-Restricted And Appropriate-For-Gestational-Age Fetuses: Biomarker Of Long Term Cardiovascular Disease Risk?

Zohaib Akhter, M.Sc. Student, Department Of Obstetrics And Gynaecology, Aga Khan University, Karachi

11:40 Free Paper: Challenges In Planning Intensive Care Services For High Risk Obstetrics Patients

Dr. Rahat Qureshi, Associate Professor, Department of Obstetrics And Gynaecology, Aga Khan University, Karachi

11:50 Free Paper: Risk Factors And Perinatal Outcome In Early And Late Onset Preeclampsia

Nuruddin Mohammed, Associate Professor, Department Of Obstetrics And Gynaecology, Aga Khan University, Karachi

12:00 Anaesthesia And Analgesia For Pregnant Women With Cardiovascular Diseases
Professor Samina Ismail, Department Of Anaesthesia, Aga Khan University, Karachi

12:15 Update On Management Of Postpartum Hypertension

Ayesha Malik, Assistant Professor, Department Of Obstetrics And Gynaecology, Aga Khan University, Karachi

12:30 Effects Of Preeclampsia On Long Term Maternal Cardiovascular Health

Professor Annetine Staff. Oslo University Hospital, Norway

13:00 Panel Discussion

Panel Of Experts

13:15 Lunch And Prayer Break
XII  FAMILY MEDICINE

Venue: Debriefing Room First Floor, CIME

Session  Challenges And Innovations In 21st Century For A Family Medicine Practitioner In Cardiopulmonary Problems

Chair: Riaz Qureshi, Professor, Department of Family Medicine, Aga Khan University, Karachi

Co-Chair: Niloufer Ali, Professor, Department of Family Medicine, Aga Khan University, Karachi

Moderator: Marie Andrades, Associate Professor, Department of Family Medicine, Aga Khan University, Karachi

14:00 Challenges And Opportunities For Cardio Pulmonary Disease Prevention

Rozina Mistry, Senior Technical Advisor At Nutrition Support Program, Sindh And Visiting Faculty, Aga Khan University, Karachi

14:20 Preventable Risk Factors Of Cardiovascular Diseases

Imtiaz Jehan, Associate Professor Community Health Sciences, Aga Khan University, Karachi
14:40 Biochemical Markers For Assessing Cardio Pulmonary Disease

Aziz Jiwani, Assistant Professor Family Medicine, Aga Khan University, Karachi

15:00 Association Between Lifestyle Behaviors And Cardiovascular Risk Factors In Pakistani Urban Adolescents: A Cross-Sectional Study

Nilofer Safdar, Program Director, Nutritional Science Program At School Of Public Health, Dow University, Karachi

15:20 **Tea And Refreshments**

15:40 Role Of Primary Care Physician In Management Of Asthma And COPD

Hiba Ashraf, Head Of Department, Family Medicine, Indus Hospital, Karachi And Examiner, Royal College Of General Practitioners

16:00 Managing Coronary Artery Disease At The Primary Care Level

Unab Khan, Associate Professor And Chair Family Medicine, Aga Khan University, Karachi

16:20 Panel Discussion And Q & A Session
XIII INFECTIOUS DISEASES

Venue: Debriefing Room First Floor, CIME

Session: Host-Pathogen Interactions: Challenges And Innovations In The 21st Century

Chair: Faisal Sultan, Consultant Infectious Diseases And CEO, Shaukat Khanum Memorial Cancer Hospital And Research Center, Lahore

Co-Chair: Erfan Hussain, Consultant Intensivist, Director Intensive Care Unit, Aga Khan University, Karachi

Moderator: Professor Bushra Jamil, Service Line Chief Internal Medicine, Aga Khan University, Karachi

11:15 Keynote Speech: Novel Methods For Treating Tuberculosis

Amina Jindani, Honorary Senior Lecturer, Institute For Infection & Immunity, Division Of Clinical Sciences, St. George's, University Of London, United Kingdom.

11:45 Spectrum And Resistance Pattern Of Bacteria Isolated From Respiratory Specimens In Adult Patients With Acute Exacerbation Of Bronchiectasis
Kauser Jabeen, Associate Professor, Department Of Pathology And Laboratory Medicine, Aga Khan University, Karachi

11:55 Pseudo-Outbreaks Of Mycobacterium Tuberculosis And Nontuberculous Mycobacteria Due To Contaminated Bronchoscope

Seema Irfan, Associate Professor And Section Head Microbiology, Department Of Pathology And Laboratory Medicine, Aga Khan University, Karachi

12:05 Utility Of (1-3)-β-D-Glucan And Galactomannan Antigen For Invasive Fungal Infections At Aga Khan University Clinical Laboratory, Karachi

Yusra Shafquat, Resident, Clinical Microbiology, Department Of Pathology And Laboratory Medicine, Aga Khan University, Karachi

12:15 Antibiotics Administered In First 48 Hours As Predictors Of Outcome Among Children With Invasive Pneumococcal Disease

Tazeen Fatima, Resident, Clinical Microbiology, Department Of Pathology And Laboratory Medicine, Aga Khan University, Karachi
12:25 In Vitro Susceptibilities Of Pulmonary And Extrapulmonary Nocardia Species From Pakistan

Fizza Farooqui, Resident, Clinical Microbiology, Department Of Pathology And Laboratory Medicine, Aga Khan University, Karachi

13:00 Lunch And Prayer Break
WORKSHOP DETAILS
Pre-Conference Workshops (Full Day)

Transcatheter Aortic Valve Replacement

Date and Time: Friday, November 3, 2017 | 8:30 am-5:30 pm

*Morning and Evening Duplicate Sessions

Reporting Venue: CIME Debriefing Room, 2nd Floor

Director: Osman Faheem MD FACC, Director of Structural Heart Disease, Assistant Professor of Medicine, Aga Khan University

Objectives:

To enable participants to:

- Understand the patient selection process for TAVR
- Familiarize with pre-procedure workup
- Femoral versus alternative access
- Large sheath management
- Balloon expandable versus self-expanding THV
- Complications and their management
Pre-Conference Workshops (Full Day)

Endovascular Aortic Aneurysm Repair (EVAR): Awareness, Training & Technical Details

Date and Time: Friday, November 3, 2017 | 8:30 am-5:30 pm

Reporting Venue: CIME Debriefing Room, Ground Floor

Director: Dr Nadeem Ahmed Siddiqui, Consultant Vascular Surgeon, Department of Surgery, Aga Khan University Hospital

Co-Directors: Dr Muhammad Azeemuddin, Consultant Radiologist, Department of Radiology, Aga Khan University Hospital

Dr. Khalid Makhdoomi, Head of Service, Consultant Vascular and Endovascular Surgeon, King Fahad Specialist Hospital, Dammam, Saudi Arabia

Objectives:

Familiarization with:

- Awareness of Risk factors, Diagnosis & Management Options pertaining Aortic Aneurysms
- Scope & Indication of EVAR
- Planning & Sizing of EVAR
- Device Deployment
Pre-Conference Workshops (Morning)

Echocardiography in Pulmonary Hypertension

Date and Time: Friday, November 3, 2017 | 8:30 am-12:30 pm

Reporting Venue: Sonosim And Vimedex Echo Simulator Lab, CIME

Director: Dr Nadeem Aslam, Assistant Professor, Paediatric Cardiology, Paediatrics & Child Health, Aga Khan University Hospital

Objectives:

To enable participants to:

- Discuss the role of echocardiography in pulmonary hypertension.
- Gather relevant echo data influencing management in pulmonary hypertension.
- Learn role of echocardiography in diagnosis and management of pulmonary hypertension.
Pre-Conference Workshops (Morning)

**Pulmonary Function Tests**

**Date and Time:** Friday, November 3, 2017 | 8:30 am-12:30 pm

**Reporting Venue:** Multipurpose Hall-A, Ground Floor, CIME

**Director:** Dr Hashir Majid, Assistant Professor, Section of Pulmonary and Critical Care Medicine, Department of Medicine, Aga Khan University Hospital

**Objectives:**

To enable participants to:

- Discuss indications and contraindications of PFTs
- Perform PFTs
- Interpret basic result of PFTs
Aortic Root Surgery

Date and Time: Friday, November 3, 2017 | 8:30 am-12:30 pm

Reporting Venue: Anatomy Dissection Hall, Medical College

Director: Dr Shahid Sami, Consultant Cardiothoracic Surgeon, Department of Surgery, Aga Khan University

Co-Director: Dr Muneer Amanullah, Associate Professor, Section of Cardiothoracic Surgery, Department of Surgery, Aga Khan University

Objectives:

Understand and Perform:

- Aortic root enlargement procedures
- Valve sparing aortic root replacement
- Valve cusp correction
Pre-Conference Workshops (Morning)

Epidemiological Research Methods in Cardiology

Date and Time: Friday, November 3, 2017 | 8:30 am-12:30 pm

Reporting Venue: Conference Room, Ground Floor, CIME

Director: Dr Tazeen Saeed Ali, Associate Professor and Assistant Dean Research and Graduate program, School of Nursing and Midwifery & Department of Community Health Sciences, Aga Khan University

Objectives:

To enable participants to:

- Participate in generating scientific knowledge to enhance evidence-based practice
- Become aware of the methods and techniques in identifying a viable research problem
- Recognize the role of literature review in establishing the knowledge-gap and significance of the proposed study
- Identify the major sources of funding for research in health sciences
- Recognize the importance of establishing strategies for impact of research
- Have knowledge of the administrative aspects in writing grant proposals
Pre-Conference Workshops (Morning)

**Bronchoscopy**

**Date and Time:** Friday, November 3, 2017 | 8:30 am-12:30 pm

**Reporting Venue:** Debriefing Room A, First Floor, CIME

**Director:** Dr Muhammad Irfan, Associate Professor, Section of Pulmonary and Critical Care Medicine, Department of Medicine, Aga Khan University Hospital, Karachi

**Co-Directors:** Dr. Talha Shehzad, Senior Instructor, Section of Pulmonology, Department of Medicine, Aga Khan University, Karachi

Dr. Nousheen Iqbal, Instructor, Section of Pulmonology, Department of Medicine, Aga Khan University, Karachi

**Objectives:**

To enable participants to:

- Discuss indications, contraindications and complications of bronchoscopy
- Describe the bronchial tree anatomy
- Perform simulated bronchoscopy on a mannequin using a bronchoscopy simulator
Pre-Conference Workshops (Morning)

Cardiac Stem Cells - Bench to Bedside

**Date and Time:** Friday, November 3, 2017 | 8:30 am-12:30 pm

**Reporting Venue:** Seminar Room, First Floor, Juma Building

**Director:** Dr Nazia Riaz, Assistant Professor, Department of Surgery, Aga Khan University

**Co-Director:** Dr Azhar Hussain, Director, Lab and Core Facilities, Aga Khan University Centre for Regenerative Medicine, Aga Khan University

**Objectives:**

To enable participants to understand:

- Concepts of stem cells, cardiac stem cells and induced pluripotent stem cells
- Applications of stem cell biology in translational medicine with particular reference to cardiovascular diseases.
Pre-Conference Workshops (Afternoon)

Research Grant Writing

Date and Time: Friday, November 3, 2017 | 2:00 pm-5:30 pm

Reporting Venue: Debriefing Room, First Floor, CIME

Director: Dr Anjum Halai, Professor of Education, Associate Vice Provost Research and Graduate Studies, Aga Khan University, Karachi

Objectives:

To enable participants to:

- Become aware of the methods and techniques in identifying a viable research problem;
- Recognize the role of literature review in establishing the knowledge-gap and significance of the proposed study;
- Identify the major sources of funding for research in health sciences;
- Recognize the importance of establishing strategies for impact of research;
- Have knowledge of the administrative aspects in writing grant proposal.
Pre-Conference Workshops (Afternoon)

Point of Care Echocardiography

Date and Time: Friday, November 3, 2017 | 2:00 pm-5:30 pm

Reporting Venue: Sonosim And Vimedex Echo Simulator Lab, CIME

Director: Dr Nadeem Aslam, Assistant Professor, Paediatric Cardiology, Paediatrics & Child Health, Aga Khan University Hospital

Objectives:

To enable participants to:

- Gain a basic understanding of echocardiography equipment
- Learn how to obtain and interpret basic echocardiographic views
- Assess of heart function and effusion/tamponade
Pre-Conference Workshops (Afternoon)

Lethal ECGs: Problem-Based Approach

**Date and Time:** Friday, November 3, 2017 | 2:00 pm-5:30 pm

**Reporting Venue:** Debriefing Room, Ground Floor, CIME

**Director:** Dr Aamir Hameed Khan, Associate Professor, Department of Medicine, Aga Khan University

**Objectives:**
To enable participants to:

- Understand signs on resting ECGs
- Understand Lethal/Malignant signs in resting and ambulatory ECG
- Recognize and stratify level of care according to ECG change
Pre-Conference Workshops (Afternoon)

Nutrition Guidelines in Prevention and Management of Cardiovascular Diseases: Implementation and Evaluation

Date and Time: Friday, November 3, 2017 | 2:00 pm-5:30 pm

Reporting Venue: Conference Room 1, Ground Floor, CIME

Director: Dr Aziz Jiwani, Assistant Professor, Department of Family Medicine, Aga Khan University, Karachi

Co-Director: Dr Rubina Barolia, Assistant Professor and Assistant Dean, Clinical, Aga Khan University, School of Nursing and Midwifery

Objectives:

To enable participants to:

- Briefly discuss the burden of Non communicable diseases (NCD) especially cardiovascular disorder in Pakistan
- Discuss the Nutritional guidelines for the primary and secondary prevention of NCD along with medical management
- Identify the strategies that can be implemented in changing patients and their families nutritional choices
- Advocate a counselling model of consultation for educating patients on Nutrition advices
Pre-Conference Workshops (Afternoon)

Smoking Cessation

Date and Time: Friday, November 3, 2017 | 2:00 pm-5:30 pm

Reporting Venue: Classroom 5 School of Nursing & Midwifery

Director: Dr Javaid A Khan, Professor, Section of Pulmonary and Critical Care Medicine, Aga Khan University, Karachi

Objectives:

To enable participants to learn:

- How to motivate smokers to quit
- What pharmacotherapy is helpful in helping people quit smoking
- How to run a smoking cessation clinic
- How to respond to questions from smokers
Pre-Conference Workshops (Afternoon)

Recent Approaches For The Diagnosis Of Respiratory Tract Infections

Date and Time:  Friday, November 3, 2017 | 2:00 pm-5:30 pm

Reporting Venue:  PBL Room 1, Ground Floor, CIME

Director:  Dr Imran Ahmed, Senior Instructor, Section of Microbiology, Department of Pathology & Laboratory Medicine, Aga Khan University

Co-Director:  Dr Seema Irfan, Associate Professor, Section of Microbiology, Department of Pathology & Laboratory Medicine, Aga Khan University

Objectives:

To enable participants to:

- Identify the utility of conventional and molecular microbiological testing for diagnosis of respiratory infections
- Effectively utilize microbiological tests for management of their patients including infection control
- Recognize the limitations of new and rapid TB diagnostic tests
- Improve communication between clinicians and clinical microbiologists
Hearing Patients’ Stories, Researching Patients’ Stories: Qualitative Research For Specialists In Lung And Heart Disease

Date and Time: Friday, November 3, 2017 | 2:00 pm-5:30 pm

Reporting Venue: PBL Room 2, Ground Floor, CIME

Director: Professor Nelofer Halai, Professor, Institute for Educational Development, Aga Khan University

Objectives:

To enable participants to:

- Obtain a brief overview of qualitative research methods
- Have Exposure to the Life History method of research
- Understand how this method can be used for improvement of practice
- Understand the relevant data collection and data analysis process
Post-Conference Workshops (Afternoon)

Basic Left Heart Angiography Simulation

Date and Time: Sunday, November 5, 2017 | 2:00 pm-5:30 pm

Reporting Venue: Debriefing Room, Second Floor, CIME

Director: Dr Muhammad Nasir Rahman, Assistant Professor, Section of Cardiology, Department of Medicine, Aga Khan University

Objectives:
To enable participants to know:

- Indications of Coronary Angiogram.
- How to prepare patient for coronary angiogram
- Approaches of coronary angiogram.
- The different devices used.
- About complications
- How to engage coronary arteries through practical exposure on Mentice
Advances In Cardiac Imaging - New Windows Into Old Problems

Date and Time: Sunday, November 5, 2017 | 2:00 pm-5:30 pm

Reporting Venue: Debriefing Room, Ground Floor, CIME

Director: Dr. Syedah Saira Bokhari, Assistant Professor Cardiology, Aga Khan University

Objectives:

To enable participants to gain basic understanding of:

- Advanced Echo modalities (3-D Echo)
- Advanced Echo modalities (strain)
- Cardiac CT
- Cardiac MRI
Emergencies in Hypertension

Date and Time: Sunday, November 5, 2017 | 2:00 pm-5:30 pm

Reporting Venue: Multipurpose Hall B, Ground Floor, CIME

Director: Dr Aamir Hameed Khan, Associate Professor, Section of Cardiology, Department of Medicine, Aga Khan University, Karachi

Objectives:

To enable participants to:

- Diagnose Hypertension
- Manage Hypertensive urgency, emergency and severe hypertension
- Understand Hypertension in pregnancy
- Understand Hypertension in cerebrovascular conditions.
Basic Techniques in Cardiovascular Research

Date and Time: Sunday, November 5, 2017 | 2:00 pm-5:30 pm

Reporting Venue: Multidisciplinary Lab, Medical College

Director: Dr. Satwat Hashmi, Assistant Professor, Department of Biological and Biomedical Sciences, Aga Khan University, Karachi

Objectives:

To enable participants to:

- Become aware of the methods and techniques available for cardiovascular research
- Learn how to assess endothelial dependent vasodilatation
- Identify alpha-1 receptor and voltage gated calcium channel mediated vasoconstriction
- Examine the ionotrophic and chronotropic effects using isolated guinea pig atrial preparation
- Understand the principal and technique in the isolated rabbit heart preparation
SUPPORTERS

Platinum

Gold

ACP SYSTEMS

Silver

Bronze

BAYER
ORGANISING COMMITTEE

<table>
<thead>
<tr>
<th>Name</th>
<th>Department/Title</th>
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<td>(Chair), Department of Surgery</td>
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<td>(Co-Chair), School of Nursing and Midwifery</td>
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SCIENTIFIC COMMITTEE

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Dr Satwat Hashmi, Department of Biomedical and Biological
Dr Rubina Barolia, School of Nursing and Midwifery
Dr. Tazeen Ali, School of Nursing and Midwifery
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Azmina Abdul, Department of Medicine
Asra Qureshi, Department of Biomedical and Biological