Final Announcement And Programme

10th Biennial International Conference
Of Pakistan Society Of Cardiovascular & Thoracic Surgeons
Organized By Punjab Institute Of Cardiology, Lahore

12th-14th October, 2017

Venue: Pearl Continental Hotel, Lahore.
Date: 12th to 14th October
The Punjab Institute of Cardiology, established in 1989, is the first Heart Institute in the Punjab province. It aims to provide excellent care for all types of heart diseases. A large group of well trained adult & pediatric cardiologists, cardiac surgeons and cardiac anesthesiologists, who had their training and working experiences in Pakistan and abroad, together with our well-trained and experienced nurses, technicians and other medical staff, provide 24-hour care for all heart diseases. It was established in response to the acute deficiency felt for comprehensive care of cardiac patients. Originally named as "CARDIAC CENTRE", its foundation stone was laid by Lt. General Ghulam Jilani Khan (Late), the then Governor of Punjab, on November 10, 1984. The hospital was later inaugurated by Muhammad Nawaz Sharif, the then Chief Minister of Punjab, on October 15, 1988. In patient was commissioned on October 5, 1990 whereas the first open heart surgery was performed on October 9, 1990.
Messages

10th Biennial International Conference 2017
&
Lahore Heart Summit 2017
On behalf of Punjab Institute of Cardiology, Lahore, I welcome all the distinguished participants including local and foreign delegates, to the 10th Biennial International Conference of Pakistan Society of Cardiovascular and thoracic Surgeons and Lahore Heart Summit '17.

Cardiovascular disease remains the single leading cause of death on a global basis whilst also causing chronic disability in a sizeable section of the society. Unfortunately the focus of this epidemic is now shifting towards the underprivileged communities of economically deprived nations. This disturbing trend is multi-factorial in origin, tobacco usage, urbanization, and resulting unhealthy diet with sedentary lifestyle being listed as the main underlying causes. Awareness about this disease in South East Asia is quite limited and preventive efforts are ineffective, mainly due to illiteracy and poverty. Treatment of affected individuals remains a costly and lifelong affair with resulting drain on limited public funds.

The organizing Committee of the 10th Biennial International Conference of Pakistan Society of Cardiovascular and Thoracic Surgeons and Lahore Heart Summit '17 deserves special credit as the entire team has been working hard to bring together eminent international experts and local faculty of Cardiology and Cardiac Surgery, the purpose being to discuss new trends in treatment as well as utilization of latest therapeutic modalities according to local requirements and resources. This will help in educating local physicians about latest guidelines for management of clinically complex and challenging patient subsets. The contribution of medical industry to this noble cause is also commendable.

I would like to extend warm wishes to all the distinguished delegates and hope that they have an academically fulfilling time in Lahore.

PROF. DR. NADEEM HAYAT MALLICK
MRCP(UK) FRCP (London) FRCP (Edin) FCPS (Cardiology) FACC
Chief Executive
Punjab Institute of Cardiology, Lahore
Dear Friends & Colleagues.

I would like to extend a warm invitation to you to participate in 10th Biennial Meeting of PSCVTS on 12th to 14th Oct 2017 in Pearl Continental Hotel Lahore.

This Academic event is zealously organized by Punjab Institute Of Cardiology Lahore under proficient guidance of Prof Nadeem Hayat Mallick Chief executive of PIC and Prof Aftab Yunus as convenor of conference.

This Biennial event was supposed to be held in April 2016, but due to early retirement of Prof. Dr. Abdul Waheed it was delayed for one year. With the aim to share and exchange knowledge and experience the organizing committee has invited distinguished Cardiac surgeons, Anesthetist and Perfusionists from all over the country and abroad on this occasion. We will also share our knowledge with renowned Cardiologists who are intimately related to our surgical field and help us whole heartedly.

There will be something of interest for everyone attending this program.

This conference is designed for Cardiac Surgeons, Cardiologists, Anesthetists, Perfusionists, Cardiac Nurses, Physicians, Assistants, Residents and other health care professionals involved in the care and treatment of patients with cardiovascular diseases. This activity is approval for CME credit hours as well.

In addition to scientific and educational experience, I hope that you will enjoy the hospitality, enthusiasm, dedication, delicious foods and colorful culture of Lahore during your stay at PC Hotel Lahore.

Throughout this conference I request you to stay engaged and helping to keep us proactive to shape the future of PSCVTS.

Profound regards,

Gen Asif Ali Khan
I am glad that Punjab Institute of Cardiology Lahore are organizing the Cardiac summit in Lahore, which like the previous moots organized by them in collaboration with Pakistan cardiac society will be participated by the leading cardiologists and physicians from all over Pakistan and summit will provide them with the opportunity to acquire updated knowledge in this highly specialized field. There will be interaction and exchange of ideas to find ways and means to combat the rising incidence of cardiovascular diseases in this country. Although public and private sector is committed in improving primary health care facilities on the one hand and providing incentives for establishing centers of excellence in the cardiology field on the other hand but the treatment options are changing so fast globally that keeping pace with the latest developments has become very difficult here. I am sure this conference will bring latest knowledge in understanding of the cardiovascular diseases and care of the cardiac patients particularly those who are not privileged to have easy access to expensive modalities of investigations, therapy and surgery for cardiac ailments, certainly stimulating a beneficial experience for the participants.

I hope the summit programme will be stimulating and beneficial experience for the delegates and they will enjoy the lovely surroundings of Lahore and the hospitality of all the workers of this conference of cardiology. I wish the organizing committee well and hope that conference will attain all the goals.

PROF KHALIDA SOOMRO
President Pakistan Cardiac Society.
It is my pleasant duty to invite you all to the 10th Biennial International Conference of Pakistan Society of Cardiovascular and thoracic Surgeons and Lahore Heart Summit '17, in the historic city of Lahore from 12th - 14th October 2017 in Pearl Continental hotel Lahore. The average temperature in Lahore at that time will be around 36°C. Lahore is famous for its historical places showing Mughal and British architecture. Lahore Museum National College Of Arts and Punjab University are all located on the Mall with Kim's Gun in the center at Istanbul Crossing. Lahore is also well known for its eatery places and food streets.

As for the conference we have tried to arrange speakers from all over the world to talk on latest trends in surgery for Ischaemic heart disease, Valve repair, Congenital heart problems, ECMO, VAD devices and Cardiac transplant. There are pre conference workshops in Aortic root surgery ECMO, LVAD, RVAD, Interventional Cardiology and Electrophysiology. Cardiologists, Cardiothoracic and vascular surgeons, ICU specialists, Perfusionists, & ICU nurses will have a unique opportunity to exchange ideas with colleagues from south east asia, China, Japan, Australia & explore opportunity of training in more advanced centers of the region.

Prof. M.A Cheema
I extend a warm welcome to all the participants of 10th Biennial International Conference of Pakistan Society of Cardiovascular and Thoracic Surgeons and Lahore Heart Summit 2017.

I am greatly honored that my distinguished guests, from within and outside Pakistan, have taken time from their busy schedules to participate in the exchange of information and technologies.

It is an alarming fact that over recent years we have been receiving patients of cardiovascular disease belonging to a much younger age group from what we encountered 8 to 10 years back. It is a very disturbing reality at home and abroad. Even though the precipitating cause have been identified as environmental, dietary and increasing stress, we as cardiologists have a daunting task in dealing with disease and with their causes, simultaneously promoting preventive measures against all odds rampant in the society.

I would like to thank the organizing committee which has made it possible for all of us to meet at this forum. I hope we all benefit from this rendezvous and simultaneously enjoy the beautiful and historic city of Lahore.

PROF. DR. Shahid Amin Khawaja
MRCP(UK)
Professor of Cardiology
Head of Cardiology Department
Punjab Institute of Cardiology, Lahore
On behalf of the organizing committee, it is a great pleasure and honour for me to welcome you all to the 10th Biennial International Conference of Pakistan Society of Cardiovascular and Thoracic Surgeons & Lahore Heart Summit 2017, as it is the largest event of its type in the country. This conference provides a unique opportunity to discuss in an academic setting, the latest developments and cutting-edge topics in the field of Cardiovascular and Thoracic surgery. The programme that follows comprises a number of seminars, live cardiac surgery, interactive sessions, workshops and scientific papers covering virtually every aspect of speciality. We also have the distinct honour of having some of the very distinguished speakers from all over the country participating in the conference. I am sure this event will be of great help to meet future challenges in rapidly advancing field of cardiac surgery.

In addition to the academic activities, this event provides a great opportunity to socialize with friends and acquaintances. Rest assured, different hospitality suites in the premises of the exhibition area will provide a great meeting point for this purpose. I hope you will thoroughly participate and enjoy this academic extravaganza, Lahori food and colourful culture. I wish you a very happy stay at Lahore.

Professor Dr. Aftab Yunus  
Conference Convenor  
Pakistan society of Cardiovascular and Thoracic Surgery 2017
It gives me immense pleasure to welcome all participants of the 10th Biennial International Conference to the city of Lahore. This is an honour for us to host this international conference to address the most important and challenging issues of development of Adult and Paediatric cardiac surgery in developing countries. We intend to provide a platform to discuss the problems and issues faced by cardiac surgeons of this continent who have come to attend this conference.

We have arranged live cases to be transmitted to the conference venue for the delegates attending this meeting, this will serve as a platform to learn advanced technology and latest techniques in the field of cardiac surgery.

Surgeons coming from different countries will have an opportunity to listen to the experts in the fields of Cardiac, Thoracic and Vascular surgery. The conference workshops and scientific sessions are an effort to update the participants of the recent advances in the field of Cardiovascular and thoracic surgery.

Furthermore we have a very elegant faculty coming from abroad, most of them are renowned personalities. We have arranged state of the Art lectures to address the current issues in Cardiothoracic and vascular surgery. Special emphasis has been devoted to ECMO and Cardiac surgery Advanced life support in this conference.

I am thankful to my team and all the members of the Pakistan Society of Cardiovascular and Thoracic surgeons for their active participation in this conference.

The scientific committee wishes you a pleasant stay at Lahore

Prof. Dr. Mazhar Ur Rehman
Chief Cardiac Surgeon
PIC, Lahore.
Dear Friends and Colleagues,

On behalf of the Organizing Committee, it is my great pleasure to welcome you all to Lahore to the 10th Biennial International Conference of Pakistan Society of Cardiovascular and Thoracic Surgeon.

The meeting has been designed to provide an innovative and comprehensive overview of the latest research developments in cardiology and cardiovascular and thoracic surgery, primarily in the areas of coronary artery disease, heart failure, cardiac arrhythmias and cardiac surgery.

Many distinguished cardiologists, cardiac surgeons, and perfusionists have joined the faculty and will take part in this meeting. Papers will be presented in the form of plenary sessions, symposia and posters and will include superb scientific material that was carefully selected by the Scientific Abstract Review committee from over 200 abstracts submitted for presentation at the meeting. These studies, assure that the meeting will be a major scientific event.

We would like to express our thanks to the pharmaceutical and manufacturing industry for their generous support, to Target Conferences for their excellent arrangements in all aspects of the meeting, to our dedicated staff, colleagues, friends and families for their untiring help, support and advice in planning and arranging this meeting.

We hope that you will enjoy the meeting and that your interaction with your colleagues from many different countries will stimulate a creative exchange of ideas and will be personally rewarding. We also hope that you will enjoy your visit to the very beautiful and exciting city of Lahore, in October 2017.

Dr Ahmad Shahbaz
Chief Organizer
Programme

10th Biennial International Conference 2017
&
Lahore Heart Summit 2017
**Conference Information**

**Conference venue:**
The conference will be held at Pearl Continental Hotel, Lahore.

**Conference language:**
The official language of the conference is English. Although Urdu is the national language but English is generally spoken and understood in all major cities.

**Hospitality / Reception desk at airport:**
Hospitality desk will be operational at Allama Iqbal International Airport, Lahore. The staff at the desk will receive the delegates and faculty and attend the queries and deliver the information regarding the conference. Pick up facility will be arranged from the airport to the respective destinations, on prior request.

**Registration:**
Registration counters at Shalimar C Hall, pearl continental hotel, Lahore will be functional on 12th of October 2017 from 8:00am to 5:30pm. Your registration will be acknowledged by a receipt of payment. The registered delegates should produce the receipt at the respective counters to collect the Delegate Kit and Badge. On site registration counter will also be functional. For on site registration, only cash will be accepted.

**Delegate:**
All the delegates should wear the delegate badge throughout the conference. Identification badges are mandatory and will be required for admission to the venue, conference halls, exhibition hall, food courts and dinner area.

**Exhibitions:**
The exhibition will be arranged in the Kohinoor area pearl continental hotel.

**Information desk:**
There will be an information desk at the venue throughout the conference to deliver all the information regarding the conference.

**Special needs:**
If any delegate has a disability that requires accommodation or assistance, please contact the conference secretariat well in advance so that we can arrange necessary facilities. If any delegate has
special dietary needs/food allergies, please inform the requirements at the conference secretariat.

Letter of invitation:
Those delegates requiring an official letter of invitation to attend the conference secretariat. The letter in no way implies the provision of any support, finance or otherwise.

Liability disclaimer:
The organizing committee shall not be held liable for personal accident, illness, losses or damage to private property of the delegates of the conference.

Prizes:
Special prizes will be awarded.

Medical aid centre:
A medical aid centre will be functional at the venue.

Lunch and tea break:
The food court will have separate areas for vegetarian and non-vegetarian food. Entry to the food court will be restricted to the registered delegates and registered accompanying persons. Food coupons are compulsory for availing food.

Accommodation:
Organizing committee has booked some rooms in various categories of the hotel. You have to reserve the accommodation at the earliest.

Hospitality counter:
Counter will be functional at the venue, to provide services.

Preview room:
The preview room will be functional from 12th to 14th October, 2017 at the venue. The faculty and speakers should contact the preview room well in advance.

Conference secretariat:
You can contact the conference secretariat for any information and assistance regarding the conference. The conference secretariat will be functional at the conference venue from 12th October, 2017.
Foreign Speakers

Dr. Syed Suhail Ahmed Qadri (UK)
Prof. Dr. Ângelo Lucas Nobre (Portugal)
Dr. Tanveer Afzal Butt (UK)
Dr. Hisayuki Okada, M.D (Japan)
Dr. Justin Lewis Nowell (UK)
Dr. Sean Russell Bennett (South Africa)
Dr. Fayyaz Hashmi (US)
Dr. Hossam Eid, MD (Egypt)
Prof. Dr. Jhon cambple chamber (UK)
Prof. Dr. Syed Saeed Ashraf (UK)
Dr. Ricardo Arruda Pereira (Portugal)
Dr. Bilal Haris (UK)
Prof. Dr. Omar Gotekin (Turkey)
Dr. T.S kler (India)
Dr. Akram (Egypt)
Prof. Dr. Kjell Johan Saatvedt (Norway)
Prof. Dr. William Novick MD MS (US)
Dr. Ryuzo Hayashi, M.D (Japan)
Ms. Layana Ibsies (UAE)
Scientific Programme

10th Biennial International Conference 2017
&
Lahore Heart Summit 2017
## Programme Summary

### 10th Biennial International Conference of PSCVTS & Lahore Heart Summit 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Crystal Hall A</th>
<th>Crystal Hall B</th>
<th>Emerald Hall A</th>
<th>Emerald Hall B</th>
<th>Emerald Hall C</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00–11:00</td>
<td>Live Cases Cardiac Surgery</td>
<td>STATE OF THE ART LECTURES Theme: Recent Advances in Cardiology and Cardiothoracic Surgery</td>
<td>Infection Control &amp; Perioperative care</td>
<td>Work shop on Cardiac Advance Life Support</td>
<td>ECMO and VAD DEVICES (Workshop)</td>
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<tr>
<td>11:00–01:00</td>
<td>Live Cases Cardiology</td>
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<td>01:00–02:30</td>
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<td>02:30–04:00</td>
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<td>04:00–05:30</td>
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**Lunch Break & Prayer**

06:00 onwards “Emerald Hall B” Pakistan Society Cardio Vascular Thoracic Surgery Meeting & Group Photo
06:30 onwards “Emerald Hall A” Pakistan Cardiac Society Meeting & Group Photo
Dinner at 08:00 PM

### 14th October 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Crystal Hall A</th>
<th>Crystal Hall B</th>
<th>Emerald Hall A</th>
<th>Emerald Hall B</th>
<th>Emerald Hall C</th>
<th>Shalimar Hall C</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00–10:00</td>
<td>Paediatric Cardiology and cardiac Surgery</td>
<td>Coronary Artery Disease</td>
<td>Aortic Root Surgeries</td>
<td>Thoracic Surgery</td>
<td>Valvular Heart Disease</td>
<td>Wet Lab</td>
</tr>
<tr>
<td>10:00–11:30</td>
<td>Live Case Paediatric Cardiology</td>
<td>Intervention and Heart Failure</td>
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<tr>
<td>11:00–01:00</td>
<td>Live Case Paediatric Cardiac Surgery</td>
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<td>01:00–02:30</td>
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<tr>
<td>02:30–04:00</td>
<td>Paediatric Cardiology and cardiac Surgery</td>
<td>Coronary Artery Disease</td>
<td>Minimally Invasive and Hybrid Cardiac Surgery</td>
<td>Thoracic Surgery</td>
<td>Live Case Cardiology</td>
<td>Free Papers &amp; Posters</td>
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<tr>
<td>04:00–06:30</td>
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</tbody>
</table>
Conference Workshop

Workshop (Cardiac Advanced Life Support )
0930 AM to 1:00 PM
Emerald Hall, B, 13th Oct, 2017

Speaker
Hasanat Sharif, Syed Suhail Qadri

Panel
Mazhar ur Rehman, Waseem Riaz, Rehan Shahid

Workshop (International Cardiology )
0930 AM to 1:00 PM
Emerald Hall, A, 13th Oct, 2017

Moderator
Bilal Mohydin in PIC
Sajjad Ahmed in PIC
Shahid Hameed in crystal Hall A PC

Panel
Mohsin Nazeer, Zubair Akram, Amber Malik
Saqib Shafi Sheikh, Nadeem Hayat Mallick
Shahid Amin, Muhammad Zubair
Mansoor Ahmed, Muhammad Nadir Khan

Workshop (ECMO & VAD Devices)
09:00 AM to 5:30 PM
Emerald Hall, C

Speaker
Akram Muhammad, Miss Layana Ibsies

Moderator
Syed Pervaiz

Panel
M.A. Cheema, Tariq Rao, Abdul Hafeez, Asif Khan,
Muhammad Faisal, Azhar Iqbal, Salman Shah

Table-1: Aftab Yunus
Table-2: Azam Jan
Table-3: Anjum Jalal
Table-4: Abdul Malik

Workshop (Wet Lab )
0930 AM to 1:00 PM
Emerald Hall, B, 14th Oct, 2017
Scientific Sessions

10th Biennial International Conference
Of Pakistan Society Of Cardiovascular & Thoracic Surgeons
&
Lahore Heart Summit 2017

LIVE CASES

13th October

Moderator:
Bilal Mohydin in PIC
Sajjad Ahmed in PIC
Shahid Hameed in Crystal Hall A PC

Penal of experts:
Mohsin Nazeer, Zubair Akram, Amber Malik
Saqib Shafi Sheikh, Nadeem Hayat Mallick
Shahid Amin, Muhammad Zubair
Mansoor Ahmed, Muhammad Nadir Khan

9:00 To 11:00

Topic
Live Cases adult cardiac Surgery

Moderator
Aftab Yunus
Mazhar ur Rehman

Panel
Zafar Tufail
Tayyab Pasha
Ghulam Sarwar

11:00 TO 11:30

Tea Break

11:30 To 01:00

Topic
Live Cardiology Cases

Moderator:
Bilal Mohydin in PIC
Sajjad Ahmed in PIC
Shahid Hameed in Crystal Hall A PC

Penal of experts:
Mohsin Nazeer, Zubair Akram, Amber Malik
Saqib Shafi Sheikh, Nadeem Hayat Mallick
Shahid Amin, Muhammad Zubair
Mansoor Ahmed, Muhammad Nadir Khan

01:00 TO 02:30

Lunch / Prayer

02:30 To 04:00

Topic
Live Cardiac Surgery Cases

Moderator
Aftab Yunus
Mazhar ur Rehman

Panel
Khalid Rasheed
Riaz Anwar
Haider Zaman

04:00 TO 04:30

Tea Break

04:30 To 06:30

Topic
Live Cardiac Surgery Cases

Moderator
Aftab Yunus
Mazhar ur Rehman

Panel
Khalid Rasheed
Riaz Anwar
Haider Zaman
<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Training in cardiac surgery</td>
<td>Justin Nowell</td>
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<tr>
<td>09:30</td>
<td>Overview of minimally invasive cardiac surgery</td>
<td>Fayyaz Hashmi</td>
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<tr>
<td>10:00</td>
<td>Paediatric heart transplant</td>
<td>Asif Hassan</td>
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<tr>
<td>10:30</td>
<td>Heart Remodelling and its clinical application</td>
<td>Syed Saeed Ashraf</td>
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<tr>
<td>10:45</td>
<td>Paediatric cardiac surgery in developing Country</td>
<td>William Novik</td>
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<tr>
<td>11:00</td>
<td>Cardiac resynchronization therapy</td>
<td>T S kler</td>
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<tr>
<td>12:00</td>
<td>Surgical treatment of coarctation in all age group</td>
<td>Kyell Saatvedt</td>
</tr>
<tr>
<td>12:30</td>
<td>Biological valves in younger patients, what is the limit??</td>
<td>Ricardo Arruda Pereira</td>
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</tbody>
</table>

**10th Biennial International Conference and Lahore Heart Summit 2017**

**13th Oct 2017**

**Scientific Sessions**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>02:30</td>
<td>Neuro protection with focus on Near Infrared Spectroscopy</td>
<td>Bennett, Sean</td>
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<td>Moderator: Shahid Malik, Panel Panel M.A. Cheema, Sean Bennett, Justin Nowell, Asif Ali Khan</td>
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<tr>
<td>03:00</td>
<td>About minimally invasive/ minimal impact cardiac surgery</td>
<td>Anglo Nobre</td>
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<tr>
<td>03:30</td>
<td>The Benefits of PCI vs CABG in Complex/Multi-Vessel Disease: a review on patient outcomes and the current device technology</td>
<td>Hisayuki Okada</td>
</tr>
<tr>
<td>04:30</td>
<td>The Japan Way: Treatment of the Left Main, Bifurcation and CTO Lesions</td>
<td>Ryuuo Hayashi</td>
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<tr>
<td>05:00</td>
<td>Heart Transplant in Pakistan</td>
<td>Tanveer Butt</td>
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</tbody>
</table>

**Conference Inauguration**

**CRYSTAL B 05:30 TO 06:30**

06:30 Onwards “Emerald Hall B” Pakistan Society Cardiovascular Thoracic Surgery Meeting & Group Photo

06:30 onwards “Emerald Hall A” Pakistan Cardiac Society Meeting & Group Photo

Dinner at 09:00 (Shahi Khima)
<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker/Panel</th>
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</thead>
<tbody>
<tr>
<td>09:00</td>
<td>Introduction to Hospital Infection Control</td>
<td>Mahfouz Ur Rahman</td>
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<tr>
<td>09:30</td>
<td>The Modern Approach to Infection Control</td>
<td>Naima Mehdi</td>
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<tr>
<td>10:00</td>
<td>Patient Safety</td>
<td>Abdul Wadood Khalid</td>
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<tr>
<td>10:30</td>
<td>Health Care Workers and Infection Control</td>
<td>Muhammad Saeed</td>
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<tr>
<td>11:00</td>
<td>Infection Control Practices</td>
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<tr>
<td>11:30</td>
<td>International Guidelines in Phlebotomy Techniques</td>
<td>Maqsood Ahmed</td>
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<tr>
<td>12:00</td>
<td>Optimum time for antibiotic prophylaxis prior to surgical incision in open heart surgery in adults</td>
<td>Aleezay Ashgar</td>
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<tr>
<td>12:30</td>
<td>Early Surgical Outcomes Of Cardiogenic Shock At A Tertiary Care Hospital In + Pakistan</td>
<td>Syed Omaid Nadeem</td>
</tr>
<tr>
<td>13:00</td>
<td>Lunch</td>
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<tr>
<td>13:30</td>
<td>Effect Of Hypophosphatemia On Postoperative Outcome Of Cardiac Surgery</td>
<td>Adnan Ali Khahro</td>
</tr>
<tr>
<td>13:45</td>
<td>Frequency Of Acute Kidney Injury In Patients Undergoing Coronary Artery Bypass Grafting</td>
<td>Aamir Zeb</td>
</tr>
<tr>
<td>14:00</td>
<td>Should Vasopressin Be Used As A First Line Systemic Vasoconstrictor In Pulmonary Hypertension</td>
<td>Azar Hussain</td>
</tr>
<tr>
<td>14:15</td>
<td>Awareness Level And Practices Of Heart Healthy Diet Of Patients With Coronary Artery Disease Who Had Revascularization</td>
<td>Abid Muhammad</td>
</tr>
</tbody>
</table>

**Tea Break:**
11:10 To 11:30

**Cardiac surgery registry and future plan**
- 03:30 to 03:45
  - Development of isolated CABG
  - Speaker: Ali Imran

**Nurse Practitioner Program In A Developing Country Congenital Cardiac Surgery Program**
- 03:45 to 04:00
  - Speaker: Sadaqat Ali

**Outcomes Of Open Heart Surgery In A Newly Developed Cardiac Center**
- 04:30 to 04:45
  - Speaker: Muhammad Musharraf

**Results From A Developing Country**
- 04:45 to 05:00
  - Speaker: Taimur Asif Ali

**Right Ventricular Outflow Reconstruction With Handmade Valve Conduit A Short Experience**
- 05:00 to 05:15
  - Speaker: Syed Shahabuddin

**Endocardial Cushion Defects in Down Syndrome and Non-Down Syndrome Outcomes from a teaching University Hospital**
- 05:15 to 05:30
  - Speaker: Saleha Aziz

**Discussion Q/A**
- 05:30
### Scientific Sessions

#### 13th Oct 2017

**70th Biennial International Conference**

**Lahore Heart Summit 2017**

**Workshop on Cardiac Advance Life Support**

**Speaker**

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Chairperson:</th>
<th>Moderator/Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>To identify features of the cardiac surgery patient that warrant modification to the standard resuscitation technique.</td>
<td>Muhammad Ayub</td>
<td>Syed Parvaiz</td>
</tr>
<tr>
<td>To describe the STS standardized protocol for management of a cardiac arrest in a cardiac surgery patient.</td>
<td>Shahbaz Qureshi</td>
<td>M.A. Cheema</td>
</tr>
<tr>
<td>To demonstrate successful CALS re-sternotomy within 5 minutes.</td>
<td>Tahir Naveed</td>
<td>Tariq Rao</td>
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<td>Rehan Shahjed</td>
<td>Abdul Hafeez</td>
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<td>Asif Khan</td>
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<td>Muhammad Ayub</td>
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<td></td>
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<td>Miss Layana Ihsies</td>
</tr>
</tbody>
</table>

#### 11:00 TO 11:30 **Tea Break**

**11:30 TO 01:00**

**Teaching Methodology**

Lectures on Cardiac Arrest protocols and re-sternotomy

Videos demonstrating the resuscitation protocols, re-sternotomy and constitution of the re-sternotomy cart.

#### 01:00 TO 02:30 **Lunch**

**Cardiac Imaging**

<table>
<thead>
<tr>
<th>02:30 To 03:00</th>
<th>An overview of Cardiac Imaging</th>
<th>Shabaz Qureshi</th>
</tr>
</thead>
<tbody>
<tr>
<td>03:00 To 03:15</td>
<td>Role of CT in Emergency Cardiac Surgery</td>
<td>Tahir Naveed</td>
</tr>
<tr>
<td>03:30 To 04:00</td>
<td>Cardiac CT for evaluation of Congenital Heart Disease</td>
<td>Muhammad Ayub</td>
</tr>
</tbody>
</table>

#### 04:00 TO 04:30 **Tea Break**

**04:30 TO 05:45**

Pre-operative TEE guidance for Cardiac Surgery | Samra Mateen

Nuclear imaging prior to Surgical revascularization | Mudassar Iqbal

Myocardial Viability: is it still viable option | Muhammad Ayub

**05:15 TO 06:00**

Role of MDCT in congenital and acquired pulmonary vascular abnormalities | Shahjehan Alam

#### 05:45 TO 06:00**

**Mechanical Circulation And Perfusion Ecmo / Ventricular assist Devices**

<table>
<thead>
<tr>
<th>02:30 To 03:15</th>
<th>ICU Management During Ecmo Complication On ECLS</th>
<th>Akram Mohamed</th>
</tr>
</thead>
<tbody>
<tr>
<td>03:15 To 04:00</td>
<td>Prevention and Therapies Outcome On ECLS Miss Layana Ihsies</td>
<td>AKRAM MOHAMMED</td>
</tr>
</tbody>
</table>

#### 04:00 TO 04:30 **Tea Break**

**05:00 TO 05:45**

Use of Del Nido Cardioplegia Solution at The Children's Hospital & Institute Of Child Health Lahore | Azhar Iqbal

**05:45 TO 06:00**

Retrospective Review of Neurologic outcomes with Cardiopulmonary Bypass | Azhar Iqbal

**05:45 TO 06:00**

**Moderator**

Syed Parvaiz

M.A. Cheema

Tariq Rao

Abdul Hafeez

Asif Khan

M. Faisal

Azhar Iqbal
Scientific Sessions

14th October

14th Biennial International Conference
Of Pakistan Society Of Cardiovascular & Thoracic Surgeons
& Lahore Heart Summit 2017

Crystal Hall A

PAEDIATRIC CARDIOLOGY AND CARDIAC SURGERY

SESSION I
9:00 AM TO 10:00 AM
Moderator: Dr. Asim Khan
HISTORY AND EVOLUTION OF CONGENITAL CARDIAC SURGERY IN PAKISTAN: Professor Suileman Hassan
FUTURE DIRECTION OF CONGENITAL CARDIOLOGY AND CARDIAC SURGERY IN PAKISTAN: Professor Masood Sadiq
10:00 AM TO 11:30 AM
Live transmission – Pediatric cardiology – Intervention from PIC cath lab
Coordinated by Asif ur Rehman and Masood Sadiq
11:30 NOON TO 1:00 PM
Live transmission – Pediatric cardiac surgery – Surgical workshop from PIC OR

SESSION II
2:30 PM TO 3:30 PM
CONGENITAL CARDIAC SURGICAL PATIENT SEVERE PULMONARY HYPERTENSION
Moderator: Salman A. Shah
I: WORK UP EVALUATION AND SELECTION CRITERIA-------Mehnaz Atiq
II: ANESTHETIC MANAGEMENT------- Saeedah Asaf
III: SURGICAL STRATEGIES------- Muneer Amanullah
IV: ICU CARE AND MANAGEMENT------- Abid Rafique

01:00 TO 02:30 Lunch

Tea Break

SESSION IV
4:30 pm to 5:30PM: FREE PAPERS 10 MIN EACH
Moderator: Muner Amanullah
SINGLE INSTITUTIONAL EXPERIENCE OF INTERRUPTED AORTIC ARCH REPAIR
Asad Khan, Mohamed Elrih, Yamin Alzain, Suhaib Mohamed, Khaled Alhawwi, Prof Mark Redmond, Jonathan McGuinness, Lars Nolke. Paediatric Cardiac Surgery Unit, Our Lady’s Children’s Hospital Crumlin, Dublin Ireland
BIDIRECTIONAL GLENN SHUNT AS AN ADJUNCT TO SURGICAL REPAIR OF TETRALOGY OF FALLOT: RELEVANCE OF FLUID PRESSURE DROP -FLOW RELATIONSHIP
Kamal Saeed Paediatric Cardiac Surgeon, AFIC/NIHD
SERIES OF DIRECT CLOSURE OF TYPE-1 AORTOPULMONARY WINDOW WITH GOOD SHORT AND MID TERM RESULTS ; SAFE AND COST EFFECTIVTE TECHNIQUE.
Jamal A. Nasir; Faiz Rasool; Children’s Hospital/ Ittefaq Hospital Lahore
RIGHT VENTRICULAR OUTFLOW TRACT RECONSTRUCTION USING A HANDSEWN TRILEAFLET CONDUIT
Salman A. Shah; Children’s Hospital/ Ittefaq Hospital Lahore
TOTAL CORRECTION OF TETRALOGY OF FALLOT ; DO WE STILL NEED TRANSANNULAR PATCH?
Iqbal Hussain Pakhan Paediatric Cardiac Surgeon, NICVD, Karachi
3D Printing Innovating the Surgical Procedures
Rabiah Imran B.E, Asad Jabbar B.E and Dr. Nasir FCPS(GI) GRIT 3D O
PROPOSING GUIDELINES AND EVALUATION OF TWO STAGE ARTERIAL SWITCH AS A TREATMENT STRATEGY IN THE MANAGEMENT OF DELAYED PRESENTATION OF TRANSPOSITION OF THE GREAT ARTERIES WITH A REGRESSED LEFT VENTRICLE
M. Asim Khan; Children’s Hospital/ Ittefaq Hospital Lahore
DISCUSSION Q & A

DISCUSSION Q & A

Severe Pulmonary Hypertension
**Scientific Sessions**

**10th Biennial International Conference**
Of Pakistan Society Of Cardiovascular & Thoracic Surgeons

**Lahore Heart Summit 2017**

**11:00 TO 11:30 Tea Break**
Strategies for maintaining hemodynamic stability OPCAB
Khalid Hameed

Moderator
Zafar Tufail
Panel
Hasnat Sharif
Shahid Ameen
Azhar Rasheed
Anjum Jalal

11:30 TO 11:45
Adverse events and outcomes in cardiac surgery
Sean Bement

12:00 TO 12:15
Graft patency after one year in off pump CABG surgery by CT angiography in tertiary care center.
Tayyab pasha

12:15 TO 12:30
OPCAB RCA Endarterectomy
Khalid Hameed

12:30 TO 12:45
How to Create a Carotid Shunt for Carotid Endarterectomy
Shahid Malik

12:45 TO 01:00
Bypass grafting (CABG) patients and its outcome
Somia Rehman

01:00 TO 02:00 Lunch / Prayer
Experience of total arterial revascularization
Shafqat Hassan

02:15 TO 02:30
To establish safe cardiac surgical practice in less facilitated deprived parts of the world for helping the needy people beyond borders
Muhammad Asim Shah

**02:30 TO 04:00**
Veterical Assist Devices
Tanveer Butt

**04:00 TO 04:15**
Endoscopic Vein Harvesting
Single center Experience
Haris Bilal

04:45 TO 05:00
Factors associated with increased mediastinal bleeding in patients undergoing isolated primary CABG
Ali Shan Iqbal

05:00 TO 05:15
Neurological Complication are avoidable during CABG
Zulfiqar Haider

05:15 TO 05:30
The surgical outcome and quality after the repair of post-infarct Ventricular Septal Repair
Anjum Jalal

05:45 TO 05:55
Surgical Repair of post-infarction ventricular septal rupture: Determinants of operative mortality and survival
Muhammad Yashir

05:55 TO 06:10
Outcomes of surgery for acquired ventricular septal defect
Mumtaz Anwar Shah

06:10 TO 06:25
Grown up congenital cardiac surgery in PIC
Faiz Rasool

06:25 TO 06:40
Outcome of Fractional Flow Reserve for Coronary Lesions of intermediate Significance
Liaqat Ali
Scientific Sessions

11:00 TO 11:30 Tea Break

11:30 To 12:00 Early experience with Aortic valve Sparing root Replacement

12:00 To 12:30 Early outcome of surgery in patients with aortic root abscess experience at NICVD

12:30 To 1:00 Association of Aetiology, Presentation and Post-operative Complications of Post-traumatic Peripheral Artery Pseudoaneurysm

1:00 To 9:00 Surgical Repair of Ruptured Sinus Of Valsalva Aneurysm Experience at Department of, Lady Reading Hospital Peshawar

9:00 To 9:30 Aortic Dissection and Arch Surgery

9:30 To 10:00 Aortic arch surgery in The Era of frozen Elephant trunk(Thoraflex) in type A dissection

10:00 To 10:30 Clampsless repair of Acute Aortic Root Dissection

10:30 To 11:00 Early experience with minimally invasive open heart surgery in Karachi

11:00 To 11:30 Establishing Minimally Invasive AVR And Aneurysm Repair

11:30 To 12:00 All Aspects Of Echo Perioperatively

12:00 To 12:30 And In The Lab Doing Tavi And Mitraclip

12:30 To 1:00 Minimally invasive Cardiac Surgery at AFIC/NHID Rawalpindi

1:00 To 1:30 Accidental Intra Artrial Injection And Limb Ischemia

1:30 To 2:00 Limb Ischemia
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Thoracic War injury</td>
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<tr>
<td>09:30</td>
<td>Recent Advances in Minimal Access Thoracic Surgery and Lung Cancer Surgery management</td>
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<tr>
<td>10:00</td>
<td>Thoracic trauma update Dubai trauma center experience. It is powered point presentation for 25-30 mins.</td>
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<tr>
<td>10:30</td>
<td>Feeding jejunostomy as a life line for esophageal surgery</td>
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<td>10:40</td>
<td>Experience of rib fixation in 22 blunt chest trauma patients</td>
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<tr>
<td>11:00</td>
<td>An experience of 52 cases of tracheal stenosis with primary resection &amp; anastomosis</td>
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<td>11:30</td>
<td>Experience of 23 cases of total laryngo-pharyngo-esophagectomies</td>
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<tr>
<td>11:50</td>
<td>Experience of different procedures of 52 chest wall malignant masses</td>
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<tr>
<td>12:10</td>
<td>Experience of VATS thymectomy with OLV</td>
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<td>12:30</td>
<td>Bifid Stomach tube; new conduit as neo-esophagus</td>
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<td>13:00</td>
<td>13 year’s experience of management of corrosive intake at Nishtar Hospital Multan</td>
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<td>13:30</td>
<td>A comparison of laparoscopic modified Heller’s cardiomycotomy with trans abdominal Heller’s cardiomycotomy and Dor’s patch</td>
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<tr>
<td>14:00</td>
<td>Tracheal resection and reconstruction: Nishtar experience of 56 cases</td>
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<tr>
<td>14:30</td>
<td>Traumatic diaphragmatic rupture. Experience of 336 cases over 15 years</td>
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<tr>
<td>15:00</td>
<td>1809 cases of surgical management of bronchiectasis. Experience of 1809 cases</td>
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Tea Break

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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>01:00 TO 02:30</td>
<td>Lunch/Prayer</td>
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Tea Break

<table>
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<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>04:30</td>
<td>To compare the outcome of surgical resection for bronchiectasis with and without intercostal muscle flap.</td>
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<tr>
<td>04:50</td>
<td>Surgical resection of pulmonary Hydatid. Experience of 819 cases over 15 years period</td>
</tr>
<tr>
<td>05:10</td>
<td>Surgical intervention in treatment failure MDR tuberculosis.</td>
</tr>
<tr>
<td>05:30</td>
<td>Primary repair of esophageal perforation. Experience of 81 cases</td>
</tr>
<tr>
<td>05:50</td>
<td>Outcome of surgical management of bronchiectasis. Experience of 1809 cases</td>
</tr>
<tr>
<td>06:10</td>
<td>Malignant Mesothelioma – An Under Diagnosed</td>
</tr>
<tr>
<td>06:30</td>
<td>EntityReview of 12 cases of Malignant Mesothelioma.</td>
</tr>
</tbody>
</table>
**Scientific Sessions**

### VALVULAR HEART DISEASE

**Topic**
- Clinical outcomes of redo cardiac surgery in adults: A single center experience
- Standard Median Sternotomy Versus Right Anterolateral Thoracotomy
- For Mitral Valve Replacement
- Atrial Myxoma: An Experience In A Tertiary Care Center
- Surgical treatment of atrial Fibrillation; Early experience in Karachi

**Specialty**
- Shiraz Hashmi
- Kiramat Ullah Khan
- Sajid Khan
- Sulaiman Hasan

**Moderator**
- Zulfiquar Haider
- Mazhar ur Rehman
- Asif ur Rehman
- Taimur Asif Ali

**Panel of experts**
- Haider Zaman
- Brig. Waseem
- Richard Pirra
- Shahid Malik
- Shahid Sami

**Tea Break**
- 11:30 To 11:50
- Emergency cardiac surgery for patients undergoing Percutaneous transcutatheter mitral balloon valvoplasty
- Electrocautery Maze Procedure for Atrial Fibrillation
- Incidence Of New-onset Atrial Fibrillation (NOAF) After Coronary Artery Bypass Graft Surgery: Initial Results From Tertiary Care Cardiac Center Of Pakistan
- Intermediate Term Outcomes After Bioprosthetic Valve replacement
- Significance of dental clearance and outcomes in valvular Heart surgery Evidence form low to middle income country

**Lunch / Prayer**
- 01:00 TO 02:30

**LIVE CASES CARDIOLOGY**

**Moderator**
- Bilal Mohydin in PIC
- Sajjad Ahmed in PIC
- Ahmad Noeman in Emerald C PC
- Dr. Moazaam Ali Naqvi in Emerald C PC

**Panel of experts**
- Sohail Aziz
- Nadeem Rizvi
- Ijaz Ahmad
- M Farhan Tayyab
- Azhar Kyani
- M Qaiser Khan
- Nadeem Hayat Mallick
- Shahid Ameen
- Bashir Hanif
- Akhter Bandesha
- Wasim Ashraf
- Jalal ud Din Achakzai
- Hafeez Ullah
- Hikmat Ullah

**Tea Break**
- 04:00 TO 04:30

**Lunch / Prayer**
- 01:00 TO 02:30
### Scientific Sessions

#### Biennial International Conference

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>09:30 TO 01:00</td>
<td>Wet Lab</td>
</tr>
<tr>
<td>01:00 TO 02:30</td>
<td>Lunch</td>
</tr>
<tr>
<td>02:30 TO 09:30</td>
<td>Scientific Sessions</td>
</tr>
</tbody>
</table>

### Free Papers

**Primary percutaneous coronary intervention at Faisalabad institute of cardiology: initial experience**

- Liqat Ali, Rehan Riaz, Ali Razahe

**Mortality Following Cardiac Surgery: Should it all be counted in the Surgeon Specific outcomes?**

- Azar Hussain

**The Benefit Of Triple Combination Therapy**

- Abdul Rashied Khan

**Prevalence Of IHD in American Indians**

- Ahmad Shahzad

**Newer Generation Drugs for IHD**

- Fawad Sheikh

**The CONE reconstruction of Ebstein anomaly: Case report**

- Hamza Islam Butt

**The Glenn Procedure-Clinical Outcomes In Patients With Complex Congenital Heart Disease**

- Khuzaima Tariq

**Cardiac surgery registry: value, Benefit and significance**

- Muhammad Tariq

**Mitr valve repair: PIC experience**

- Ali Imran

**Posters**

- Taimor

#### Table 1: Aftab Yunus

- Pressor

#### Table 2: Azam Jan

- Kernics

#### Table 3: Anjum Jalal

- Guarnics

#### Table 4: Abdul Malik

- Brownies

### Posters

- Alcapa. A rare presentation
  - Mahnaz Marri

- Great artery ratio: does it really matters in total correction of tetralogy of fallot
  - Iqbal Hussain

- Interrupted Aortic Arch: Case Report
  - Dr. Iftikhar Paras

### Note

*Poster Size must be 2.5x3.5 feet or 30x40 inches*
History Of Lahore

Mughal Empire
Main article: Mughal period in Lahore
Further information: Mughal Empire

Entrance of the Badshahi Mosque or Emperor’s Mosque built by the Mughal Emperor Aurangzeb.
The Alamgiri Gate is the main entrance to the Lahore Fort built during the reign of Aurangzeb.

Lahore reached a peak of architectural glory during the rule of the Mughals, whose buildings and gardens survived the hazards of time. Lahore’s reputation for beauty fascinated the English poet John Milton, who wrote “Agra and Lahore, the Seat of Great Mughal” in 1670.[15]

From 1524 to 1752, Lahore was part of the Mughal Empire. Lahore touched the zenith of its glory during the Mughal rule from 1524 to 1752. The Mughals, who were famous as builders, gave Lahore some of its finest architectural monuments, many of which are extant today.

Emperor Aurangzeb seated on a golden throne holding a hawk in the Durbar.

From 1524 to 1752, Lahore was part of the Mughal Empire. Lahore grew under emperor Babur; from 1584 to 1598, under the emperors Akbar the Great and Jahangir, the city served as the empire’s capital. Lahore reached the peak of its architectural glory during the rule of the Mughals, many of whose buildings and gardens have survived the ravages of time. Lahore’s reputation for beauty fascinated the English poet John Milton, who wrote “Agra and Lahore, the Seat of the Great Mughal” in 1670.[15] During this time, the massive Lahore Fort was built. A few buildings within the fort were added by Akbar’s son, Mughal emperor Jahangir, who is buried in the city. Jahangir’s son, Shahjahan Burki, was born in Lahore. He, like his father, extended the Lahore Fort and built many other structures in the city, including the Shalimar Gardens. The last of the great Mughals, Aurangzeb, who ruled from 1658 to 1707, built the city’s most famous monuments, the Badshahi Masjid and the Alamgiri Gate next to the Lahore Fort.

During the 17th century, as Mughal power dwindled, Lahore was often invaded, and government authority was lacking. The great Punjabi poet Baba Waris Shah said of the situation, “khada peeta wahy da, baqi Ahmad Shahy da” — “we have nothing with us except what we eat and wear, all other things are for Ahmad Shah”. Ahmad Shah Durrani captured remnants of the Mughal Empire and had consolidated control over the Punjab and Kashmir regions by 1761.[16]

The Delhi Sultanate and later Mughal Empire ruled the region. The Lahore region became predominantly Muslim. Due to missionary Sufi saints whose dargahs dot the landscape of Punjab region, and to the efforts of Mughal emperors, whose policies and forced religious conversions discouraged the growth of other religions.[17]

The 1740s were years of chaos, and the city had nine different governors between 1745 and 1756.
Lahore sightseeing Bus Service:

Lahore has been cultural hub of Pakistan and offers great places to visit. Double Decker bus services with name of “Sightseeing Lahore”, is initiative of TDCP (Tourism development corporation of Punjab) to promote tourism in city of Lahore. As per plan, initially two open roof double decker buses have been planted for guided tour of magical city of historical Lahore. In second phase three more buses are expected to be added to fleet of buses. We are best in Family Pakistan tours and Honeymoon Tour Packages from Pakistan.