SECTION-I: ADULT CARDIOLOGY

ORIGINAL ARTICLES

Emerging Role of 3.0 Tesla Cardiac Magnetic Resonance Imaging in Differentiating Cardiac Masses
Mohsin Saif, Ghulam Rasool Maken, Javeria Kamran, Nazish Saeed, Waheed-ul-Rehman, Azhar Ali Chaudhary

Prevalence of Acute Gastro Intestinal Tract Bleeding in Patients Undergoing Primary Percutaneous Coronary Intervention After Acute Myocardial Infarction
Muhammad Naem Tariq, Naseer Ahmad Samore, Muhammad Humayoun Rashid, Ghiza Chaudhery, Hafiz Muhammad Shafique, Syed Khurram Shahzad, Asif Nadeem, Ahmad Noeman, Sajeeda Neelam Yamin Bakhtiari, Zohair Aziz

Diffused Myocardial Inflammation in COVID-19 Associated Myocarditis Detected by Cardiac Magnetic Resonance Imaging in Post-COVID Patients
Abdul Rehman Jokhio, Muhammad Nadir Khan, Nazish Saeed, Mehtab Jokhio, Jahanzab Ali, Sobia Mehreen, Abdul Hanneed Siddiqui, Ghulam Rasool Maken, Mohsin Saif, Syed Khurram Shahzad

Correlation of ECG changes at high altitude with findings on Coronary Angiogram
Mohsin Saif, Fahd Ur Rahman, Jahanzeb Liaquat, Usman Saidj, Farrukh Saeed, Aleeza Khan, Muhammad Nadir Khan, Naseer Ahmed Samore, Muhammad Bilal Siddiqui, Junaid Arshad

Spectrum of Cardiac Arrhythmias During Initial 48 Hours of Acute Myocardial Infarction Patients and their Association with In-Hospital Outcome

Frequency of Subacute Stent Thrombosis (SAT) in Patients Presenting with Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention (PCI)

Maternal and Neonatal Outcomes in Pregnant Patients with Pre-Existing Cardiac Diseases
Fahd Ul Rahman, Mohsin Saif, Ismail Ahmed Khan, Muhammad Bilal Siddiqui, Husnain Yousaf, Waqas Alam, Shaibul Iqbal Safi, Aleeza Khan, Naseer Ahmed Samore, Naseem Azad

Long Term Follow up of CT Angiography in Low to Intermediate Risk Patients of Suspected Acute Coronary Syndrome (ACS)
Fahd Ul Rahman, Mohsin Saif, Bilal Ahmed, Javeria Kamran, Zeeshan Yousaf, Areeba Imtiaz, Junaid Arshad, Munir Ahmed Khan

Mitril Annular Disjunction in Mitril Leaflet Prolapse: Prevalence, Clinical Profile and Echocardiographic Features at Tertiary Cardiac Care Centre, Rawalpindi

Patterns of Left Ventricular Hypertrophy and Late Gadolinium Enhancement on Cardiac Magnetic Resonance in Patients with Hypertrophic Cardiomyopathy

Comparison of Left Ventricular Ejection Fraction in Heart Failure Patients on Echocardiography, Cardiac Magnetic Resonance Imaging and Single Photon Emission Computed Tomography

Prevalence of Brain and Neck Neoplasms among Interventional Cardiologists; A Multicenter Study
Muhammad Naem Tariq, Naseer Ahmed Samore, Muhammad Humayoun Rashid, Farhan Tuyyab, Jahanzab Ali, Iftikhar Ahmed, Muhammad Nadir Khan, Ahmad Noeman, Ghiza Chaudhery, Shafeer Farhan
In-Hospital Outcome of Early Versus Late Coronary Intervention in Patients Undergoing Thrombolysis after Acute Myocardial Infarction

Frequency of Cardiac Arrhythmias in Hypertensive Patients

Renal Artery Doppler as Screening Imaging Modality Required for the Evaluation of Hypertension in Cardiac Patients Experience at Tertiary Cardiac Care Centre
Afshan Israr, Nazia Dilidar, Sadia Azmat, Sara Khan, Farrukh Nadeem, Sehrish Shaukat Khan

Echocardiographic Assessment of Right Ventricular Function in COVID-19 Recovered Patients at a Tertiary Care Hospital
Nayab Balgoes, Sejjad Hussain, Rizwan Yusuf, Mir Jalal ud Din, Hafsa Khalil, Jahanzab Ali, Ayesha Sana, Rehana Javaid

Effect of Post Dilatation on TIMI Flow in Patients Undergoing Primary Percutaneous Coronary Intervention
Muhammad Amad Abbasi, Naseer Ahmed Samore, Khurshid Ali, Waheed-ul-Rehman, Hafiz Muhammad Shafique, Abdul Rehman Jokhio, Muhammad Naeem Tariq, Ayesha Sana, Javeria Kamran, Sanaa Qureshi

The Predictive Value of CHADS-VASC Score in No-Reflow Phenomenon in Primary Percutaneous Coronary Intervention

In-Hospital Outcomes of Patients Presenting with Acute Anterior STEMI with Right Bundle Branch Block
Imran Zameer, Muhammad Kashif, Akshaa Pervez, Adnara Murad, Muhammad Asad, Aleena Khan, Ayesha Sana, Azmat Hayat

Diastolic Dysfunction in Asymptomatic Type 2 Diabetic Patients Having Preserved Systolic Function
Mir Waseq Baloch, Imran Zameer, Kashif Khan, Zoha Majeed, Muhammad Asad, Khurram Abbas, Ayesha Sana

Recording the Door-To-ECG Time for Patients Presenting with Acute Chest Pain to a Cardiac Emergency Unit: A Clinical Audit and Quality Improvement Project
Ashar Sami, Sarah Maqsood, Ummara Iqbal, Haadha Safdar, Hafsa Khalil, Saad Bin Yasir, Aleena Khan, Hafiz Muhammad Shafique, Rehana Javaid, Ayesha Sana

A Case of Extensive Myocardial Calcification
Rizwan Yusuf, Nayab Balgoes, Sejjad Hussain

Treatment of Refractory No-Reflow in Cardiac Catheterization Laboratory; Role of Intracoronary Verapamil (A Case Report)

Mitrail Valve Surgery by Right Minithoractomy Vs Traditional Median Full Sternotomy
Muhammad Aamir Khan, Talibeen Ahmed, Naushaan Shaukat, Asif Mahmood Janjua, Muhammad Afheen Iqbal, Syed Muzaffir Hasan Kirmani, Rehana Javaid

Five Year Experience of Mitrail Valve Repair Surgery at Armed Force Institute of Cardiology
Nasir Ali, Rehan Masroor, Muhammad Afheen Iqbal, Syed Muzaffir Hasan Kirmani, Hannah Khursheed, Muhammad Adnan Akram

Frequency of Respiratory Complications in Post COVID-19 Patients After Coronary Artery Bypass Grafting

SECTION-2: ADULT CARDIAC SURGERY & ANAESTHESIA

ORIGINAL ARTICLES

Comparison of Two Techniques of Measuring Activated Clotting Time During Cardiac Surgery
Waqas Alam, Syed Aqeel Hussain, Muhammad Ali, Muhammad Adnan Akram, Muhammad Umair Farooq, Rehan Masroor, Hafsa Khalil, Ayesha Sana

Mitral Valve Surgery by Right Minithoracotomy Vs Traditional Median Full Sternotomy
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Five Year Experience of Mitrail Valve Repair Surgery at Armed Force Institute of Cardiology
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Frequency of Respiratory Complications in Post COVID-19 Patients After Coronary Artery Bypass Grafting
### Comparison of Amiodarone with Combined Doses of Magnesium Sulphate and Lidocaine for Prevention of Ventricular Fibrillation Following Coronary Clamp Release During Coronary Artery Bypass Graft Surgery

Muhammad Adnan Akram, Mehwish Naseer, Fakher-e-Fayyaz, Hana Khurshid, Nasir Ali, Imtiaz Ahmed Chauhdry

### The Effect of Body Mass Index on Bleeding After on Pump Coronary Artery Bypass Grafting

Musafir Siddique, Imran Khan, Fakher-e-Fayyaz, Muhammad Awais Dawood, Syed Muzaffar Hasan Kirmani, Hannah Khurshid, Rehana Javaid

### Association of CHA2DS2-VASc Score with Post Cardiac Surgery Atrial Fibrillation: A Single Centre Study

Waqas Alam, Syed Aqeel Hussain, Rehan Masroor, Syed Muzaffar Hasan Kirmani, Muhammad Ali, Fahid ur Rehman, Rehana Javaid, Hafsa Khalil

### Role of Dexametomidine Infusion on Renal Dysfunction in Patients Undergoing Coronary Artery Bypass Graft Surgery: A Randomized Control Trial

Haris Tariq Chohan, Amin M. Khwaja, Sajjad Ahmed, Afzal Ahmed, Maaida Muzaffar, Rashid Siddiqui

### Adjunctive use of Ketorolac for Postoperative Pain Management in Elective Cardiac Surgery Patients: A Randomized Control Trial

Maaida Muzaffar, Amin M. Khwaja, Afzal Ahmed, Rabia Iqtdar, Haris Tariq Chohan, Rashid Siddiqui

### Pre-operative N-Acetyl Cysteine for Prevention of Atrial Fibrillation after CABG Surgery in Pakistan


### Frequency of Delirium Associated with Dexametomidine and Propofol in Post CABG Patients: A Comparative Study

Noor-ul-Ain, Syed Muzaffar Hasan Kirmani, Ayesha Siddique, M Umer Siddique, Rehana Javaid, M Aamir Khan

### Incidence and Predictors of Postoperative Atrial Fibrillation after Coronary Artery Bypass Grafting Surgery

Musafir Siddique, Imran Khan, Fakheer-e-Fayyaz, Syed Muzaffar Hasan Kirmani, Mustafa El Hanolsy, Wahidullah, Zahid M Khan, Rehana Javaid

### CASE REPORTS

### Surgical Revascularization of the Dual Left Anterior Descending Coronary Artery; A Case Report

Imtiaz Ahmed Chaudhry, Mehwish Naseer, Fakher-e-Fayyaz, Adnan Ahmed, Rehana Javaid

### SECTION-3: PAEDS CARDIOLOGY/CARDIAC SURGERY

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#### Transcatheter Closure of Cardiac Defects with Lifetech™ Konor-Multifunctional Ocluder Experience in a Tertiary Care Center

Andaleeb Ara, Khurram Akhtar, Amjad Mahmood, Nadeem Sadiq, Saima Rafique, Sana Imtiaz, Tufail Ahmed, Hajira Akbar, Mohammad Asad Farhan

#### Variations in Electrolytes Level After Del-Nido Cardioplegia Administration in Patients Undergoing Congenital Heart Defects Surgery

Mah Noor, Muhammad Imran Asghar, Muhammad Shoab Ulmer, Naseem Azad, Hafsa Khalil, Zara Chachar

#### Effect of Modified Ultrafiltration (MUF) on Lactate Levels in Pediatric Patients Undergoing Cardiac Surgery


#### Spectrum of Grown up Congenital Heart (GUCH) at Armed Forces Institute of Cardiology/National Institute of Heart Disease: 10-years Experience

Hajira Akbar, Mohammad Amir Nawaid, Tabassum Muzaffar, Sana Imtiaz, Amsa Ansari

### CASE REPORTS

#### Fungal Infective Endocarditis Post Device Occlusion in Perimembranous Ventricular Septal Defect

Nadeem Sadiq, Intisar-ul-Haq, Saima Rafique, Maad Ullah, Khurram Akhtar, Hajira Akbar, Andaleeb Ara, Sana Imtiaz, Mohammad Asad Farhan, Tufail Ahmed

#### Percutaneous Device Closure of Ductus Arteriosus in a 1.3Kg Baby

Andaleeb Ara, Amjad Mahmood, Khurram Akhtar, Sana Imtiaz, Tufail Ahmed, Mohammad Asad Farhan

#### Late Post-Operative Complete Heart Block after Ventricular Septal Defect Repair Procedure

Sana Imtiaz, Khurram Akhtar, Amjad Mahmood, Hajira Akbar, Nadeem Sadiq, Andaleeb Ara

#### Management of an Elderly Patient Via Trans-Catheter Approach for a Post-Cardiac Surgery Aortic Pseudoaneurysm: A Case Report

Nadeem Sadiq, Afiseen Iqbal, Ashar Sami, Sarah Maqsood, Dawood Kanal, Rehan Masroor, Umar Younas, Khurram Akhtar, Rehana Javaid, Ayesha Sana

#### Cardioversion in Infantile Atrial Flutter

Andaleeb Ara, Khurram Akhtar, Saima Rafique, Mohammad Asad Farhan, Tufail Ahmed

#### Cardioversion in Infantile Atrial Flutter

Andaleeb Ara, Khurram Akhtar, Saima Rafique, Mohammad Asad Farhan, Tufail Ahmed

#### A Case Report on Holt Oram Syndrome

Ali Nawaz Khan, Erum Shahzadi Malik, Syed Onaiz Anwar, Amjad Mahmood, Jamal Azfar Khan

#### Alternative Approach for Pulmonary Valvuloplasty in Critical Congenital Pulmonary Stenosis

Andaleeb Ara, Khurram Akhtar, Saima Rafique

#### Retrieval of Embolized Atrial Septal Defect Device from Left Atrium Using Innovative Techniques

Amjad Mahmood, Sana Imtiaz, Khurram Akhtar, Nadeem Sadiq

### SECTION-4: MISCELLANEOUS

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#### Effect of Moderate Exercise Training on Vitals and Peak VO2 in Different Age Categories of Adults in COVID-19 Pandemic

Naubah Saleem, Ayesha Sana, Farah Murtaza, Hina Ahmed, Mahrulk Saleem, Sharmeen Agha, Mobina Malik, Alieena, Naseem Azad
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