



Editorial Advisory Board

Chairman

Lt Gen Nigar Johar, HI (M) (Surg Gen/DGMS (IS))

Members

Prof Irfan Ali Sheikh
 Prof Imran Fazal
 Dr Salman Ashraf
 Dr Qamar Ul Haq Noor
 Dr Zaheer Akhtar
 Dr Sibtain Rafique

Editorial Committee

Chief Editor

Prof Sayed Nusrat Raza

Editor

Prof Khadija Qamar

Joint Editors

Prof Muhammad Alamgir Khan
 Dr Palvasha Waheed

Assistant Editors

Dr Syed Fawad Mashhadi
 Dr Kulsoom Farhat
 Dr Shamaila Mohsin
 Dr Aliya Hisam
 Dr Muhammad Rizwan Bashir Kiani
 Dr Aiza Saadia

Managing Editor

Dr Rehana Khadim

Bibliographer

Mr. Mudassar Mustafa

Statistician

Mrs Anam Haider

Editorial Board Members

International

Prof Mohammad Bagher Rokni (Tehran, Iran)
 Dr Sajid Hassan Butt (NHS UK)
 Dr Faiza S Khan (Public Health England)
 Prof Adeel Ajwad Butt (USA)
 Prof Nimalka Ariyaratne (Sri Lanka)
 Dr Neil Carr (NHS UK)

National (Extra-Organizational)

Prof Khalid Masood Gondal, TI (Lahore)
 Prof Assad Hafeez (Islamabad)
 Prof Moed Iqbal Qureshi (Lahore)
 Dr Amina Ahmad (Lahore)
 Prof Rubina Naqvi (Karachi)
 Prof Shoaib Shafi (Islamabad)
 Prof Waheed-uz-Zaman Tariq (Lahore)

National (Organizational)

Prof Wasim Alamgir
 Prof Muhammad Asad Qureshi
 Prof Syed Raza Jaffar
 Prof Safdar Hussain
 Dr Naveed Akhtar Malik
 Dr Riaz Ahmad
 Dr Iram Lehrasab

PAKISTAN ARMED FORCES MEDICAL JOURNAL

Vol-70, (Suppl-4), AFIC Issue 2020

Recognized by PMDC & HEC

CONTENTS

ORIGINAL ARTICLES

| | |
|--|------|
| Trans-Catheter Aortic Valve Implantation (TAVI) - A Case Series At AFIC/NIHD <i>Abdul Hameed Siddiqui, Sohail Aziz, Ghulam Rasool Maken, Ali Nawaz Khan, Mohsin Saif, Farhan Tuiyyab, Kumail Abbas Khan, Waseem Raja, Javeria Kamran, Anum Fatima Janjua</i> | S674 |
| Clinical Features of Patients With Coronary Artery Ectasia Compared With Stenotic Coronary Artery Disease <i>Aatika Habib, Shaheer Farhan, Hafsa Khalil, Muhammad Kamran Akbar, Naseer Ahmad Samore, Anam Fatima Janjua, Shaista Naseem</i> | S678 |
| Short Term And Long-Term Outcomes of Left Main PCI At AFIC-NIHD <i>Samra Rehmat, Tahir Iqbal, Shaheer Farhan, Ariz Samin, Sajid Khan, Hafsa Khalil, Jasia Bukhari, Shoaib Safi</i> | S685 |
| A Study of Risk Factor Profile of Atrial Fibrillation Applying CHA2DS2-VASC Score <i>Ahmed Mustafa, Imtiaz Ali Khan, Hafiza Sonia Iqbal, Anam Fatima Janjua, Faraz Ahmad, Saadat Ullah Khan, Sohail Aziz, Abdul Hameed Siddiqui, Farhan Tuiyyab</i> | S690 |
| Frequency And Risk Factors of Left Ventricular Geometric Abnormalities in Hypertensive Patients: A Study Based on The Updated Classification System of Left Ventricular Geometry <i>Fauzia Nazir, Tahir Iqbal, Javeria Kamran, Tariq Hussain Khattak, Anum Fatima, Aatika Habib, Saleh Kaleem</i> | S695 |
| Management of Hypertensive PDA <i>Khushal Khan Khattak, Maad Ullah, Abdul Malik Sheikh, Asma Kanwal, Sajid Ali Shah, Noor-Un-Nisa</i> | S701 |
| Comparison of Hemodynamic Stability With Cisatracurium And Atracurium in Patients With Low Ejection Fraction Undergoing Coronary Artery Bypass Grafting <i>Mehwish Naseer, Imran Bashir, Vaqar Illahi Paracha, Kaleem Ahmad, Imtiaz Ahmed Chaudhry, Tahseen Ahmed</i> | S706 |
| Comparison of Intravenous Versus Intr-Arterial Heparin For The Prevention of Radial Artery Occlusion During Transradial Coronary Artery Catheterization <i>Waqas Khalid, Mohsin Saif, Aliya Halim, Anam Fatima Janjua, Kumail Abbas Khan, Amer Rauf, Zonair Aziz, Sohail Aziz</i> | S710 |
| Early Mortality & Morbidity in Mitral Valve Replacement With Total Sub-Valvular Apparatus Preservation, Partial Preservation and No Preservation- A Comparative Study <i>Muhammad Ashfaq, Nasir Ali, Asif Mahmood Janjua, Naser Ali Khan, Muhammad Imran Ashgar, Kifayat Ullah, Yasir Javed</i> | S715 |
| Tricuspid Valve Regurgitation in Patients Undergoing Endocardial Leads Placement <i>Muhammad Asad, Qurban Hussain Khan, Azmat Hayat, Waheed-Ur-Rehman, Muhammad Shabbir, Amir Naseem, Noor Shah, Rehana Khadim</i> | S721 |
| Comparison of Incidence of Sternal Wound Dehiscence After Simple Interrupted Sternal Closure Vs Figure-of-Eight Sternal Closure in Patients of Coronary Artery Bypass Graft Surgery <i>Muhammad Ashfaq, Nasir Ali, Asif Mahmood Janjua, Naser Ali Khan, Ali Gohar Zamir, Rehana Javaid</i> | S726 |
| Frequency of Unidentified Diabetes Mellitus in Patients With Acute Myocardial Infarction <i>Amna Rashdi, Jahanzab Ali, Ayaz Ahmed, Syed Khurram Shahzad, Khurram Shahzad, Ahmad Usman</i> | S731 |
| Evaluation of Orthostatic Hypotension By Using Hutt <i>Qurban Hussain Khan, Muhammad Asad, Waqas Baloch, Mian Muhammad Amer Naseem, Muhammad Shabbir, Azmat Hayat</i> | S737 |
| Frequency of Right Ventricular Infraction Among Patients Presenting With Acute Inferior Wall Myocardial Infarction <i>Ariz Samin, Nasir Ali, Shaheer Farhan, Syed Hassan Mustafa, Mahnoor Javaid, Saqib Malik, Sajid Khan, Saamia Arshad, Mahwish Touqeer, Farhan Tuiyyab</i> | S741 |
| Outcomes of Transradial Approach in Patients Undergoing Primary Percutaneous Coronary Intervention For Acute ST Segment Elevation Myocardial Infarction <i>Amna Rashdi, Ayaz Ahmed, Jahanzab Ali, Ahmad Usman, Syed Khurram Shahzad, Atiq Ur Rahman</i> | S745 |
| Anesthetic Concerns in Paeds Cardiac Catheterization At Armed Forces Institute of Cardiology / National Institute of Heart Diseases <i>Amna, Naila Niaz, Zainab Farid, Umair Younas, Rehana Javaid</i> | S752 |
| Effect of Modified Ultrafiltration on Hemodynamics in Pediatric Cardiac Surgery At Armed Forces Institute of Cardiology/ National Institute of Heart Diseases (AFIC/NIHD) <i>Muneeb Ur Rehman, Tariq Rao, Naila Niaz, Shahid Nafees, Naseem Azad, Muhammad Shoaib Umar</i> | S757 |
| Decision Making For Device Closure in Adults With 'Hypertensive PDA'-Non-Invasive Criteria: Immediate Results <i>Ahsan Beg, Abdul Malik, Amjad Mahmood, M Younas, Fakher-e-Fayaz</i> | S762 |
| Anticoagulation Control Among Patients With Atrial Fibrillation <i>Amer Rauf, Azmat Hayat, Noor Shah, Kumail Abbas, Waqas Khalid, Sayed Tanveer Abbas Gilani</i> | S768 |
| Frequency of Compliance To Guideline Recommended Treatment in Heart Failure Patients With LVEF <40% <i>Ammara Awais, Imtiaz Ahmed Khan, Hafiza Sonia Iqbal, Anam Fatima Janjua, Javeria Asghar, Javeria Kamran, Samina Rashid, Erum-Un-Nisa, Naseer Samore, Sohail Aziz</i> | S772 |
| In-Hospital Early Complications in Diabetics Vs Non Diabetics With Acute ST Elevation Myocardial Infarction Age Group 30-70 Years <i>Gul Khan, Imtiaz Ahmed Khan, Fahad Ahmad Khan, Shaheer Farhan, Javeria Kamran, Anam Fatima Janjua, Naseer Ahmad Samore, Sadaf Khan, Sohail Aziz, Abdul Hameed Siddiqui</i> | S776 |
| Outcome of Primary Percutaneous Coronary Intervention in Patients With Acute ST-Segment Elevation Myocardial Infarction Arriving in Army Cardiac Center Lahore <i>Khurram Shahzad, Jahanzab Ali, Ayaz Ahmad, Ahmad Usman, Amna Rashdi, Faisal Shafiq</i> | S781 |
| Association of Thrombolysis in Myocardial Infarction (TIMI) Risk Score With Extent of Coronary Artery Disease in Patients With Unstable Angina And NSTEMI <i>Saleha Abbas, Abdul Hameed Siddiqui, Ammar Cheema, Ayesha Abbas, Syed Khawar Abbas Jaffri, Sadaf Khan, Anam Fatima Janjua, Sania Ashraf, Farhan Tuiyyab</i> | S787 |
| Comparison of The Effect of Antegrade And Antegrade/Retrograde Cardioplegia on The Outcome of Coronary Artery Bypass Graft Surgery For Severe Coronary Artery Disease <i>Ali Gohar Zamir, Asif Mahmood Janjua, Musfireh Siddiqeh, Farrah Pervaiz, Noor Shah, Muhammad Afsheen Iqbal, Muhammad Ashfaq</i> | S792 |
| Immediate Results of Percutaneous Trans-Mitral Commissurotomy in Juvenile Mitral Stenosis <i>Ahsan Beg, Muhammad Younas, Amjad Mahmood, Mubashar Shervani, Fakher-e-Fayaz</i> | S799 |
| Fetal Echocardiography: 12 years Experience at AFIC/NIHD <i>Hajira Akbar, Asma Ansari, Sadaf Nawaz, Hafsa Khalil, Khurram Akhter, Amjad Mehmood, Nadeem Sadiq, Mehboob Sultan, Shahid Nafees</i> | S803 |

The Pakistan Armed Forces Medical Journal (PAFMJ) is an official Journal of Army Medical Corps and is being published since 1956. Few of the salients of the journal are as below:-

- Recognized by PMDC & HEC
- Indexed in ICI Journals Master List - Index Copernicus
- Indexed in HINARI List of Journals
- Inclusion of PAFMJ Indexed in WHO Index Medicus (IMEMR), EBSCO Host, DOAJ, Scientific Journals Impact Factor (SJIF), Pak Medinet, Scope Med, Index Scholar
- Indexation of PAFMJ in Cumulative Index Medicus of Eastern Mediterranean Region Journals
- Allocation of International Standard Serial Number France (print & online)
- Availability of PAFMJ on Internet: [www.pafmj.org]
- Online submission of articles through online submissions system
- Attraction of wider authorship and readership

| | |
|---|------|
| Beating Heart Mitral Valve Replacement. Experience At A Tertiary Care Hospital <i>Musfireh Siddiqeh, Imran Khan, Fakher-e-Fayaz, Asif Janjua, Ali Gohar Zamir, Afifa Mushtaq</i> | S809 |
| Incidence And Different Risk Factors of Cardiac Surgery Associated Acute Kidney Injury <i>Lubna Shaheen, Amna, Syed Shaheer Haider Bukhari, Rehana Javaid, Rashad Siddiqui</i> | S814 |
| Does Auto Transfusion of Unprocessed Residual Blood in The Cardiopulmonary Bypass Circuit Lead To Unfavorable Outcomes? <i>Musfireh Siddiqeh, Imran Khan, Ali Gohar Zamir, Asif Mehmood Janjua, Beenish Munir, Qudsia Anjum</i> | S819 |
| Prevalence of Congenital Heart Disease in Umerkot <i>Mohsin Saif, Abdul Fatah, Waqas Akhtar, Farah Javed, Ali Mujtaba Tahir, Muhammad Hussain</i> | S824 |
| Frequency of Acute Kidney Injury Among Patients Undergoing Coronary Angiography <i>Sajid Khan, Abdul Hameed Siddiqui, Ariz Samin, Syed Hassan Mustafa, Akhtar Gul, Muhammad Waqas Mazhar, Farhan Tuyyub, Naseer Ahmed Samore</i> | S828 |
| Comparison of Intracoronary Verapamil Vs Adenosine For Restoration of Coronary Blood Flow Post Percutaneous Coronary Intervention (PCI) in Patients With No-Reflow <i>Mohsin Saif, Obaid-Ur-Rahman, Muhammad Umar Amin, Hamid Sharif Khan, Ghulam Rasool Maken, Qamar-Uz-Zaman Bhatti, Zohair Aziz, Anam Fatima Janjua, Sohail Aziz</i> | S833 |
| Impact of COVID-19 on Mental Health of Healthcare Workers During Pandemic; An Experience At A Tertiary Cardiac Care Set Up <i>Sajida Parveen, Sajal Awan, Faiza Rabbani, Farrah Pervaiz, Aleena Khan, Fahad Ahmad Khan, Rehana Javaid, Naheed Kausar</i> | S838 |
| Comparison Between Hemodynamic Changes of Atracurium And Cisatracurium in Patients Undergoing CABG Surgery <i>Muhammad Ali, Syed Aqeel Hussain, Rashad Siddiqui, Fahad Ahmad Khan, Rehana Javaid, Rahmeen Pervaiz Khan</i> | S843 |
| Comparison of Cardiac Troponin-I Levels in Postoperative Period of on Pump Versus Off Pump Coronary Artery Bypass Surgery <i>Kifayat Ullah, Muhammad Waseem, Asif Mahmood Janjua, Shakila Khadim, Mashood Shahid Amin, Muhammad Ashfaq, Anum Mustafa</i> | S849 |
| Frequency of Right Ventricular Infarction And In-Hospital Outcome After Primary Percutaneous Coronary Intervention (PPCI) in Acute Inferior Myocardial Infarction (MI) <i>Mohsin Saif, Shoaib Iqbal Safi, Ariz Samin, Fahd-Ur-Rahman, Jasia Bukhari, Sajid Khan</i> | S855 |
| Comparison of Effect of Primary Percutaneous Coronary Intervention With Streptokinase in Acute ST Elevation Myocardial Infarction (STEMI) on Left Ventricular Function After 3 Months <i>Saleha Abbas, Abdul Hameed Siddiqui, Ammar Cheema, Ayesha Abbas, Sadaf Khan, Anum Fatima Janjua, Farhan Tuyyab</i> | S860 |
| In Stent Restenosis (ISR) in Patients Undergoing Percutaneous Coronary Intervention (PCI) For Coronary Artery Disease (CAD) <i>Waseem Raja, Naseer Ahmed Samore, Mohsin Saif, Javeria Kamran, Sidra Waheed, Naem Tariq, Farhan Tuyyab, Abdul Hameed Siddiqui</i> | S865 |
| Implantable Cardiac Device Infection A Clinical Audit <i>Muhammad Asad, Qurban Hussain Khan, Mir Waqas Baloch, Kumail Abbas Khan, Muhammad Amer Naseem, Azmat Hayat, Noor Shah</i> | S871 |
| Incidence And Characteristics of Coronary Artery Ectasia In Patients Undergoing Coronary Angiography At Army Cardiac Center Lahore <i>Faisal Shafiq, Ahmad Usman, Mehboob Sultan, Khurram Shehzad, Namra Haroon, Osama</i> | S876 |
| Surgery of Tetralogy of Fallot-15 Year Experience At AFIC-NIHD Rawalpindi <i>Syed Shahid Nafees Zaidi, Inamullah Khan, Nausheen Bakht, Syeda Aliza Shahid, Khurram Akhtar, Hajira Akbar, Amjad Mahmood, Intisar Ul Haq, Nadeem Sadiq, Dawood Kamal, Hafsa Khalil</i> | S881 |
| Demographics And Major Indications For The Warfarin Use, The Compliance Rate And The Factors Contributing in Non-Adherence Among Patients Presenting To A Tertiary Cardiac Center of Pakistan <i>Muhammad Talha Bin Nazir, Muhammad Mujtaba Ali Siddiqui, Hamid Sharif Khan, Mohsin Saif, Shabana Kousar, Muhammad Usman Sajid</i> | S887 |
| Clinical Outcome of Patients Admitted With Acute Anteriorversus Acute Inferior Wall Myocardial Infarction <i>Moazzam Khan, Intiaz Ahmed Khan, Naseer Ahmad Samore, Javeria Kamran, Anam Fatima Janjua, Ahmed Mustafa, Rashid Iqbal, Usman Ahmed, Fiaz Ahmed, Sohail Aziz</i> | S892 |
| Validation of Maximum Oxygen Consumption (VO₂ MAX) with Society of Thoracic Surgeon (STS) Risk Score in Preoperative Assessment of Patients Undergoing Coronary Artery Bypass Graft (CABG) Surgery: A Pilot Study <i>Intiaz Ahmad Chaudhry, Farrah Pervaiz, Kaleem Ahmed, Mehvish Naseer, Aysha Siddiq, Hafsa Khalil, Muhammad Afsheen Iqbal</i> | S897 |
| CASE REPORTS | |
| Longest Lad Endarterectomy Recorded and Documented Till Date in AFIC/NIHD <i>Nasir Ali, Faiq Ahmed Khan, Asif Mahmood Janjua, Ala Eldin, Muhammad Ashfaq, Kifayatullah</i> | S904 |
| Ruptured Sinus of Valsalva Aneurysm (SOVA): A Case Report <i>Fakher-e-Fayaz, Lubna Shaheen, Muhammad Adnan, Hana Khurshid</i> | S907 |
| Mediastinal Thymic CYST in A 50-Year-Old Male <i>Musfirah Siddique, Wajahat Javed Mirza, Nasir Khan, Shahida Majeed, Imran Khan</i> | S909 |
| Double Aortic Arch - A Case Report <i>Syed Shahid Nafees, Umair Younus, Nasir Ali, Inamullah Khan</i> | S912 |
| Transcatheter Venus P Valve Implantation At Pulmonary Position- Post T of Repair With Severe Pr- Initial Case in Pakistan <i>Amjad Mahmood, Khurram Akhtar, Nadeem Sadiq, Shakeel Qureshi, Worakan Promphan, Hajira Akbar</i> | S916 |