

Editorial Advisory Board

Chairman

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

Members

Prof Rasikh Magsood

Prof Wasim Alamgir

Dr Salman Ashraf

Dr Qamar Ul Haq Noor

Dr Muhammad Aleem

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

Dr Rimsha Zia

Dr Junaid Aslam

Managing Editor

Dr Rehana Khadim

Statistician

Mrs Anam Haider

Bibliographer

Mr. Mudassar Mustafa

Editorial Board Members

International

Prof Mohammad Bagher Rokni (Tehran, Iran)

Dr Sajid Hassan Butt (NHS UK)

Dr Faiza S Khan (Public Health UK)

Prof Adeel Ajwad Butt (USA)

Prof Nimalka Ariyaratne (Sri Lanka)

Dr Neil Carr (NHS UK)

Prof Moeed Iqbal Qureshi (KSA)

National (Extra-Organizational)

Prof Khalid Masood Gondal, TI (Lahore)

Prof Assad Hafeez (Islamabad)

Dr Amina Ahmad (Lahore)

Prof Rubina Naqvi (Karachi)

Prof Shoaib Shafi (Islamabad)

Prof Waheed-uz-Zaman Tariq (Lahore)

National (Organizational)

Prof Farrukh Saeed

Prof Muhammad Asad Qureshi

Prof Hafeez-Ud-Din

Prof Safdar Hussain

Dr Naeem Raza

Dr Riaz Ahmad

Dr Iram Lehrasab

PAKISTAN ARMED FORCES MEDICAL JOURNAL

Vol-71, No. 3, June 2021 *Recognized by PMDC & HEC*

CONTENTS

EDITORIAL	
Host Genome Interactions in COVID-19: Difficulties in Patient Management and Healthcare Policy Management Sikandar Hayat Khan, Mehreen Gilani	722
ORIGINAL ARTICLES Genitourinary Injuries During War Against Terror: A Single-Center Experience	724
Haroon Sabir Khan, Faaran Kiani, Muhammad Nawaz, Muhammad Sarwar Alvi, Muhammad Rafiq Zafar, Arshad Mahmood Level of Errors, Change in Diagnosis and Their Impact on Management in Cases Referred for Second Opinion	724
Madeeha Anwar, Muhammad Asif, Rabia Ahmed, Muhammad Tahir Khadim, Shahid Jamal, Hamza Mansur Depression and Anxiety in Correlation To Body Areas Involved in Patients of Burns	729
Ghazanfar Ali, Sikander Áli Khan, Muzzafar Ahmed, Muhammad Sheraz Afza Malik, Danish Almas, Abdul Majid Self-Perceived Competence of New Dental Graduates in Pakistan - A Multi-Institution Study	734
Haroon Shahid Qazi, Kamran Ali, Josephine Cockerill, Daniel Zahra, Ulfat Bashir Raja, Khurram Ataullah Spectrum of Findings in Patients Presenting for Upper Gastrointestinal Endoscopy at A Tertiary Care Hospital and The Influence of Age	739
and Gender Fayyaz Hassan, Khalil Ahmad, Saeed Bin Ayaz, Heyyan Bin Khalil	744
Effects of Iron Deficiency Anemia in Surgical Site Infection Muhammad Umair Zulfiqar, Umer Fayyaz Ghani, Ayub Ashraf Mallhi, Khalid Mahmood, Maria Iqbal, Muhammad Ans	749
Frequency of Stress Hyperglycemia and Mortality in Patients With Hyperglycemia in Medical Intensive Care Unit Shahzeb Ahmed Satti, Abdul Latif Khattak, Abdul Moueed Tariq, Sultan Mehmood Majoka, Arshad Naeem, Rafi Ud Din	753
Diagnostic Accuracy of 1H-MRS in Prognostication of Perinatal Asphyxia, Keeping Clinical Neuromotor Scoring System in Comparison Javed Anwar, Hafsa Aqeel, Hidayat Ullah, Muhammad Usman Khan, Sadia Tahir, Rizwan Jadoon	757
Contraceptive Preferences and Improved Quality of Life Shehla Baqai, Asifa Siraj, Uzma Urvoj, Nusrat Noor, Humaira Tariq, Sumaira Khan	762
Metabolic Syndrome in Pregnant Females Presenting in A Tertiary Care Hospital and Its Impact on Pre-Term Delivery Ayesha Imran, Umairah Yaqub, Wafa Aslam, Tehrem Yazdani, Zarmeen Khawar, Naveed Ahmed	767
Clinical Spectrum and Outcome of Patients With Tuberculous Meningitis at A Tertiary Care Hospital of Pakistan Atifa Gilani, Zahid Hassan, Khurram Haq Nawaz, Muhammad Babar Khan, Saeed Artif, Sakhawat Kazmi	771
Complications of Tracheostomy and Leading Factors Among Patients Presenting at A Tertiary Care Hospital, Karachi Muhammad Fahad Wasim, Nacem Riaz, Sohail Aslam, Syed Muhammad Asad Shabbir Bukhari, Hunza Muntaz, Waseem Ahmed	775
The Reliability of Gingival Crevicular Blood As A Diagnostic Tool for Diabetes By Using Glucose Self-Monitoring Device in Patients	779
With Periodontal Disease With and Without Diabetes Farhan Butt, Marium Iapal, Saima Hanif, M. Mohsin Girach, Faisal, Mudassir Hussain	779
Frequency and Associations of Marcus Gunn Phenomenon in Congenital Ptosis Magsood Almad, Hafiza Sadia Imitiaz, Usama Iqbal, Muhammad Sharjeel, Syed Imad Zahir, Ibrar Hussain	783
Comparing The Effects of Intranasal Betamethasone Sodium Sulphate and Beclomethasone Dipropionate in Patients With Allergic Rhinitis Amir Ali Khan, Tehmina Rehman Syed, Attique Ahmed, Usman Rafique	787
Association of Age, Gender, Stroke Location, and Social Support With Depression and Cognitive Impairment After Stroke	791
Fazal Ur Rahman Saeed, Sikandar Ali Khan, Saeed Bin Ayaz Comparison of Outcomes Between Early and Delayed Laparoscopic Cholecystectomy in Acute Calculous Cholecystitis	796
Muhammad Ismail, Nasir Mehmood Wattoo, Muhammad Qasim Butt, Fareeha Naz Association of ABO and RH Blood Groups With COVID-19 PCR Positive Status: A Case Control Study	801
Shabana Asif, Aashi Alnned, Aliya Batool, Bushra Anwar, Ambreen Gul, Muslim Kayani Adherence To Management in Patients With End Stage Renal Disease	805
Sheharyar Raashid, Abdul Rehman Arshad, Abdul Wahab Mir Effectiveness of Polyethylene Skin Wrap in Prevention of Hypothermia in Preterm and Low Birth Weight Neonates	810
Goher Ali Khan, Usman Riaz, Tariq Aziz, Sara Iqbal, Tariq Aziz Qureshi, Hina Kanwal Shafaat Association of Different Parameters of Complete Blood Count With Severity and Prognosis of Guillain-Barre Syndrome	814
Nauman Aziz, Humera Khan, Syeda Rizwana Jafri, Fauzia Qureshi, Amna Muneeb, Ursula Akif Comparison of Intra-Articular Methylprednisolone and Ketorolac Injections in Improving Range of Motion for Different Shoulder Joint	014
Disorders Sumeera Matee, Wasif Arwar, Sami Wahid, Saeed Bin Ayaz, Rana Shahid, Nadeem Ahmed Sheikh	818
Frequency and Predictors of Access Failure in Patients Undergoing Ureterorenoscopy for Upper Urinary Tract Calculi Alsan Rafi, Wajahat Aziz, Hammad Ather	823
Comparison of Sevoflurane Versus Propofol for Tracheal Intubation in Children Zulfiqar Ali, Azhar, Aamer Mahmood Malak, Arslan, Saqib, Anjum Qadri	827
Association of Seropositivity for CMV IGM and IGG With Adverse Pregnancy Outcome Ambreen Amna, Farkhunda Nadeem, Amin Fahim, Altaf Hussian Jatoi, Kanwal Abbas, Sumanya Anas	831
Comparison of Frequency of Abnormal Fetal Heart Rate in Continuous Versus Discontinuous Use of Oxytocin Infusion for Augmentation of Labour	836
Meˈnwish Anjum, Nilofar Mustafa, Qurratulain Mushtaq, Pakeza Aslam, Saima Qamar, Riffat Sarwar N-Terminal Pro-B-Type Natriuretic Peptides in Infants and Children With Non-Cardiac Diseases	
Humaira Ali, Junaid M Azam, Shazia Naureen The Use of Micro-Osteoperforation Concept for Accelerating Differential Tooth Movement	840
Zoyia Alısan, Mehwish Khan, Abdullah Jan, Tooba Ishtiaq Shah, Saad Naeem Factors Causing Anemia Among The Patients Suffering From Epilepsy	844
Omer Sultan, Muhammad Khalid, Muhammad Hammad Athar Effect of Age, Gender and Duration of Diabetes Mellitus on Thyroid Dysfunction in Patients of Diabetic	849
Impact of Age on Outcome of COVID-19 Patients at A Tertiary Care Hospital	853
lffat Rafique, Muhammad Yasir, Nadeem Zia, Irfan Najm Sheen, Hamid Jamal Siddiqui, Asif Nadeem	857
Threat Analysis of Reasons Leading To Failure of Permanent Heamodialysis Access Falak Siyar, Muhammad Jamil, Kishwar Ali, Humera Latif, Hafiz Khalid Pervaiz, Rai Ahmad Khan Kharl Multiplex Polymerase Chain Reaction (PCR) for The Detection of Neisseria Gonorrhoeae and The Ouinolone Resistance Gene in	861
Multiplex Polymerase Chain Reaction (PCR) for The Detection of Neisseria Gonormoeae and The Quinoione Resistance Gene in Pakistan Hafsa Waseem, Afnan Naeem, Sakhawat Ali, Sharjeel Sarfraz, Javaid Usman, Mehreen Gilani	866
Clinico-Pathological Evaluation of Patients With Abnormal Uterine Bleeding Rabiah Anwar, Nighat Jamal, Sobia Anwar	870
Perception of Altered Smile Esthetic Among Dentists, Students and Laypersons Using Digital Photographs: A Comparative Study	875
Erum Amin, Mehwish Khan, Mohammad Omer Siddiqui, Adnan Babar, Fatima Hassan, Wajeeha Ejaz Validation of KPC Index "Classification Method To Predict Orthodontic Treatment Difficulty Level of Impacted Canines"	880
Ayesha Iftikhar, Tayyaba Jahanzeb Immunohistochemical Expression of P16 in Low Grade Urothelial Carcinoma	885
Muhammad Umer Chaudry, Farhan Akhtar, Nighat Jamal, Hamza Mansur, Nozaif Sarwar, Yusra Saleem Evaluation of Germicidal UV-C Light for Surface Disinfection in A Tertiary Care Hospital	889
Qanita Fahim, Nasir Uddin, Najam Ul Hassan, Nargis Sabir, Anam Tariq, Ayesha Bashir, Sarmad Ahmad Efficacy of Dermaroller Vs Trichloroacetic Acid (TCA) Cross Technique for Treatment of Acne Scars	895
Samina Sheraz, Mian Shahid Gul, Kashif Kamal Outcome of Patients Diagnosed With End-Stage Renal Disease Requiring Intensive Care Unit Admission at A Single Center in Pakistan	899
Mehr Afroz, Syed Furqan Zafar, Ejaz Ahmad, Syed Fazal Akhter Patients' Satisfaction With The Quality of Dermatology Consultation of A Tertiary Care Hospital of Pakistan	904
Atiya Rahman, Tehseen Naveed, Sumeera Zulfiqar, Aisha Akhtar, Andaleeb Hamid, Nadia İftikhar Efficacy of Intra-Arterial Lidocaine for Pain Control Resulting From Transarterial Chemoembolization of Hepatocellular Carcinoma	
Ghulam Abbas, Atif Sheraz, Raza Rahim Anatomical Variations of Extra Hepatic Biliary System in Patients Undergoing Laparoscopic Cholecystectomy in CMH & PEMH	910
Rawalpindi Muhammad Ali Muazzam, Syed Mukarram Hussain, Muhammad Tanveer Alnned Quraishi	916
Evaluation of Modified Cytospin Slide Microscopy for Detection of Acid Fast Bacilli in Bronchoalveolar Lavage Fluid for Diagnosis of Pulmonary Tuberculosis	920
Anam Imtiaz, Aamer Ikram, Gohar Zaman, Luqman Satti, Fatima Sana Psychiatric Disorders in Children: Pattern and Correlates Among Those Reporting To A Tertiary Care Hospital	02.
Malik Awais Amin, Muhammad Kamran, Shehzad Rauf, Isbah Gul, Ahmed Shoaib Tabassum	924

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

Frequency and Factors of Non-Compliance Among Epileptic Patients Atifa Gilani, Khurram Haq Nawaz, Zahid Hassan, Muhammad Ali Yousaf, Asif Hashmat, Saeed Arif	929
Temporary Intra Vascular Shunt for Vascular Trauma Nauman Imtiaz Khan, Hafiz Khalid Peroaiz, Kishwar Ali, Rai Ahmad Khan, Fazal Haider, Palwasha Shahid	933
Awareness Regarding Use of Lining Under Posterior Composite Restorations Among General Dentists of Lahore Salman Ashraf Khan, Obaid Bajwa, Naima Khalid, Nissa Khan	937
Spectrum of Renal Allograft Biopsy Findings in Renal Transplant Patients at A Tertiary Care Center in Rawalpindi, Pakistan Khurram Mansoor, Muhammad Osama, Muhammad Ishaque, Sohail Sabir, Hafeez ud Din, Muhammad Asif, Haroon Sabir	942
Sexual Dysfunction Among Female Patients of Rheumatoid Arthritis: An Under Addressed Phenomenon Muhammad Zahid Hussain, Amer Fakhr, Naila Mumtaz, Ahmed Ammar Cheema, Syed Uzair Maqsood, Yasmeen Sajid	947
High-Resolution CT (HRCT) Chest Findings in PCR Positive Patients of COVID-19 at Combined Military Hospital Rawalpindi Jacoed Ahmad Khan, Faryal Asmat, Fuad Ahmad Siddiqi, Tariq Bashir Tareen, Fayyaz Hassan, Sobia Mehreen, Ayesha Sultan, Amen Ejaz	951
Single Centre, Open-Label & Non Randomized Clinical Trial Testing LMWH Efficacy on Perinatal Outcome in Late Second Trimester Oligohydramnios Cases	955
Bushra İftikhar, Aysha Shahid, Nuzhat Aisha Akram, Aferra Afsheen, Rabia Mushtaq, Ambreen Ehsan Effectiveness of Supervised Tooth Brushing Exercise on The Oral Hygiene Status of School Going Children in Peshawar	
Samrina Muhammad, Rubab Jawed, Zeeshan Kibria, Shazia Makdoom, Aiman Khan, Momina Saleem Identification of Career Choice Motivations in Medical Students and Its Association With Academic Performance and Gender; A Case	960
Control Study Faiza Kiran, Shazia Irum, Asiya Zahoor	965
Prediction of Short-Term Perinatal Outcome in Oligohydramnios at Term-Role of Umbilical Cord Arterial Blood Lactate Levels Amera Tariq, Afeera Afsheen, Bushra Iftikhar, Rabiah Anwar, Rizwana Bashir Kiani, Saira Mahboob	969
Comparative Analysis of Fetomaterial Outcome in Induced Vs Spontaneous Labor in Nulliparous Women at Term Ayisha Raja, Munnaza Andleeb, Nanna Sohail, Bushra Subuktlageen	974
Effect of Paired Formative Assessment on Students' Learning	979
Nighat Arif, Qamar Zia, Tahira Sadiq Skeletal Maturation Evaluation Using Mandibular Second Molar Calcification Stages	983
Fakhira Nizam, Nasrullah Mengal, Mirza Tareen, Sumbal Hayat Expression of ERG Immunohistochemical Stain in Prostatic Adenocarcinoma	987
Sana Ghulam Nabi, Erum Khan, Sajid Mushtaq, Usman Hassan, Mudassar Hussain Frequency of Pediatric Brain Tumors in Tertiary Care Institute of Pakistan and Comparison With International Data	992
Hassan Tariq, Hiba Tahir, Hafeez Ud Din, Hamza Mansur, Muhammad Owais Qurni, Maria Nadeem Comparision of Frequency of Infection Between Internal Jugular and Femoral Vein Double Lumen Hemodialysis Catheter in Chronic	1714
Kidney Disease (CKD) Patients Saif Ullah Khan, Muhammad Amir, Ali Javed, Shazia Nisar, Malik Nadeem Azam Khan, Muhammad Arsalan Javed	996
Correlation of Severity of Vesico-Ureteral Reflux With Renal Scarring in Children With Recurrent Urinary Tract Infections Nadia Nawaz, Farkhanda Hafeez, Adeela Chaudhary, Uzma Shehzadi	999
In Vitro Efficacy of Ciclopirox Against Carbapenem Resistant Enterobacteriaceae Maliha Ansari, Hassan Bram, Nadia Saad, Aaminah Hanif, Aiza Sadia, Qazi Ikram Ullah	1004
Diagnostic Efficacy of Red Blood Cell Indices in Diagnosis of Beta Thalassemia Trait Taking Haemoglobin Electrophoresis As Gold Standard	1009
Sahar Rabbani, Muhammad Farooq, Samina Nacem, Nasir Uddin, Muhammad Abdul Naeem, Shahneela Jabeen	1009
Effectiveness of Ultrasound-Guided Modified Pectoral Nerve Block (PECS II) for Post-Operative Pain Relief After Modified Radical Mastectomy (MRM)	1014
Azmat Riaz, Mudasir Saleem, Khalid Mahmood, Kaukab Majeed, Zaki Hussain, Asad Ullah Diagnostic Accuracy of Tc-99m Labelled Ubiquicidin (29-41) SPECT/CT for Diagnosis of Osteomyelitis in Diabetic Foot	1018
Muhammad Atif, Fida Hussain, Zaigham Salim Dar, Jameela Khatoon, Saadia Ajmal, Muhammad Adil To Determine The Frequency of Hepatic Vein Variants in Normal Population: Role of MDCT in Hepatic Transplantation	1023
Hamna Shakeel, Muhammad Ilyas, Rabia Wassem Butt, Hassan Burair Abbas, Anila Abid, Manal Niazi Frequency of Hyperuricemia in Patients of Acute Ischemic Stroke	1027
Qaisar Iqbal, Sarfaraz Ahmad, Naveed Lashari, Muhammad Arif Khan MDR Bacterial Infections in Critically III COVID-19 Patients in A Tertiary Care Hospital (of Pakistan)	1030
Nadia Tayyah, Warda Furqan, Annah Nasrullah, Javaid Usman, Sakhawat Ali, Asad Zaman Khan Comparison Between Hyperbaric Bupivacaine Plus Fentanyl and Hyperbaric Bupivacaine Alone in Spinal Anesthesia for Caesarean	1030
Section Fatima Iqbal, Manzoor Ahmed Faridi, Aisha Saeed, Inamullah Shah	1036
Analysis of Ulnar Variance Distribution in Local Adult Orthopaedic Patients Muhammad Zeeshan Aslam, Syed Waris Ali Shah, Mahwish Mahboob Bhutta, Mahrukh Asad Chandna	1040
Comparative Diagnostic Accuracy of Ultrasound and Magnetic Resonance Imagingfor Placenta Accreta in Previous Scar Patients Taking Clinical Outcome As Gold Standard	1044
MubasIrah Aziz, Muhammad Omer Aamir, Muhammad Atif Mian, Yasar Shakeel, Fareeha Awan, Samia Rauf Comparison of Intraocular Pressure and Haemodynamic Responses To Insertion of The I-Gel and Endotracheal Tube in Elective	
Ophthalmological Surgeries Sana Abbas, Aisha Rafique, Dilshad, Beenish Abbas	1049
Awareness in Cirrhotic Patients Regarding Surviellaces of Epatocellular Carcinoma Anum Abbas, Rabia Tariq, Ehtesham Haider, Aimen Abbas, Mehdi Naqvi, Aimen Abbas, Farrukh Saeed, Zafar Ali Qureshi	1054
Antimicrobial Susceptibility Pattern of Staphylococcus Aureus Strains in Islamabad, Pakistan Ambreen Gul, Yasir Rasheed, Kaleem Imdad, Raheela Yasmin, Aneela Jamil, Ummara Aslam	1059
Effect of Obestatin on Pituitary Gonadal Axis, Leptin and MDA Levels in Obese Sprague Dawley Rats Nadia Latif, Amina Rasul, Sajid Ali, Kinsha Zia	1064
Inflammation of Interstitial Connective Tissue Space Induced By Lead Acetate and Ameliorative Aftermath of Ficuscaricaon Rat Testis	1069
Ayesha Asad, Shabnam Hamid, Afnan Gul, Noreen Anwar, Dujanah Bhatti, Naureen Waseem	1009
The Effect of Ovariectomy on Women's Periodontal Status: A Pilot Study Kanwal Sohail, Mahrukh Zafar, Maham Zulfiqar, Amber Kiyani	1074
Faculty Perspective About Difficulties in Implementation of Newly Introduced Integrated Curriculum for Basic Sciences in King Edward Medical University	1078
Khalid Mahmood Cheema Human Breast Milk Fortification With Skimmed Milk and Olive Oil for Weight Gain in Very Low Birth Weight Neonates	1083
Arouj Waqqas, Zeeshan Ahmed, Huma Farrukh, Hina Khalid, Talal Waqar Renal Transplant Related Anaesthesia Experience, Considerations and Practice Overview of AFIU, Rawalpindi	1088
Maqseod Ahmad, Rafiq Zafar, Muhammad Akmal Correlate Between Biofilm Formation and Azole Antifungal Susceptibility Against Planktonic and Sessile Candida Albicans Clinical	1000
Isolates Raja Kamran Afzal, Shahzad Hassan, Aamir Ikram, Saira Salim, Amir Hussain, Maria Khan	1092
Comparison of Low Osmolar Oral Rehydration Solution Versus Standard Oral Rehydration Solution in Children With Acute Diarrhoea in Relation To Unscheduled Intravenous Fluid Requirement	1097
Sidra Tahir, Rabia Iqbal, Rabia Najam, Muneeba Kamran, Najwa Anwar REVIEW ARTICLE	
Hypertension: A Suffiecient Risk Factor for Cardiovascular Diseases Subbana Akber, Farrah Percaiz, Saleha Afridi, Ayesha Babar, Assad Hafeez	1100
Current Trends in Dental Education Ayesha Ghassan, Irfan Shukr, Naushaba Sadiq, Rabia Ahsan	1104
Using Flipped Classroom for Teaching Procedural Skill in Residency Specially Dermatology-A Systematic Review Sakina Sadig Malik, Rahila Yasmeen, Ayesha Naveed, Tehseen Naveed, Sadaf Saleem	1111
CASE REPORTS	
Spontaneous Sublingual Hematoma; A Rare Emergency Kamran Zamurrad Malik, Ameer Abdullah, Tarique Ahmed Maka	1118
Urethral Duplication A Rare Cause of Even Rarer Dorsal Chordee Naveed Ahmed, Mian Sarfraz Gul, Iftikhar Ahmed, Shafqat Rehman, Omar Fraz, Zahid Anwar	1121
LETTER TO THE EDITOR Didactic and Certified Trauma and Acute Care Surgery Fellowship is Inevitable Demand of Pakistan	
Stabil Uddin Saqib	1123