

Editorial Committee

Chief Editor

Prof Muhammad Suhail Amin HI(M)

Editor

Prof Khadija Qamar

Associate Editor

Prof Palvasha Waheed

Joint Editor

Prof Muhammad Alamgir Khan

Assistant Editors

Dr Syed Fawad Mashhadi

Prof 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

Ms Anam Haider

Superintendent

Mr Mudassar Mustafa

Editorial Board Members

International

Prof Adeel Ajwad Butt (USA)

Prof. Assad Hafeez (UK)

Prof Ishfaq Bukhari

Prof. Sultan Ayoub Meo (KSA)

Dr. Abeer A. AL-Masri (KSA)

Dr. Fariha Altaf (Kuwait)

Dr Sajid Hassan Butt (NHS UK)

National (Extra-Organizational)

Prof Khalid Masood Gondal, TI (Lahore)

Dr Amina Ahmad (Lahore)

Prof Rubina Naqvi (Karachi)

Prof Shoaib Shafi (Islamabad)

Prof Waheed-uz-Zaman Tariq (Lahore)

PAKISTAN ARMED FORCES MEDICAL JOURNAL

Vol-74, No 1, February 2024 Recognized by PMDC & HEC

CONTENTS

EDITORIAL	
Fasting And Autophagy	
Professor Muhammad Aslam	1
ORIGINAL ARTICLES	
Clinico-Hematological Patterns of Patients Presenting with Erythrocytosis Shumaila Asghar, Asad Mahmood Abbasi, Jawad Zafar, Helen Marry Robert, Ayesha Khursheed, Sadia Ali	3
Chronic Granulomatous Disease; Experience of a Rare Primary Immunodeficiency from a Tertiary Care Center in Pakistan Muhammad Hussain, Hamid Nawaz Tipu, Dawood Ahmad, Mustajab Alam, Yumna Ijaz, Ehsan Qadir	8
Paediatric Liver Transplant at Army Liver Transplant Unit, Pakistan; A Four-Year Data Sehrish Mukhtar Cheema, Shamama Hasan, Farooq Ikram, Qudratullah Malik, Qasim Butt	12
Association of Various Factors with Thrombocytopenia in Neonates, Secondary to Maternal Pregnancy-Induced Hypertension Noor un Nisa, Samina Tabassam, Muhammad Tahir, Shagufta Naz, Asbah Rahman, Rizwana Nasreen	17
Impact of Genitourinary Syndrome of Menopause on Wellbeing, Functioning and Quality of Life in Postmenopausal Women: A Cross Sectional Survey Asma Batool, Nabila Amin, Tehreem Yazdani, Fareeha Zaheer	21
Histopathological and Immunohistochemical Evaluation of Malignant Ovarian Tumours Motia Kanwal, Tariq Sarfraz, Hina Tariq	26
High Resolution Computed Tomography (Hrct) Imaging Features And Disease Severity in Patients with Clinically Severe Covid-19 Pneumonia Having Diabetes Mellitus And Hypertension Using Chest Ct Severity Score (Chest Ct-Ss) Ayesha Hanif, Umar Kaleem, Muhammad Ali Kaleem, Shabana Ashfaq	31
How Significant are Insulin Resistance Parameters in Subjects with Polycystic Ovarian Syndrome (PCOS)? A Cross-Sectional Study Sikandar Hayat Khan, Rahat Shahid, Sohail Aslam, Robina Manzoor, Roomana Anwar, Tariq Chaudhry	36
Comparison of Efficacy of Prophylactic Antibiotics in Preventing Infection with no Antibiotics Given for Removal of Impacted Mandibular Third Molar Tooth Alaf Khan, Shahid Khan, Muhammad Jamal, Anam Javed, Misbah Murtaza, Manahil Rahat	41
Association of Vitamin D Deficiency and Type-2 Diabetes Mellitus in Adults Anum Gul, Muhammad Amir, Abdul Rehman Arshad, Saqib Qayyum, Aamir Hamid Khan, Adan Sardar	45
Cardiac Implantable Electronic Device (CIED) Infections, Associated Risk Factors and Optimization in Reducing CIED Infections; An Experience of Tertiary Care Hospital of Pakistan Ghulam Kubra, Ghazala Irfan, Syed Ghazi Abbas, Kanwal Fatima Aamir, Mir Waqas Baloch, Abdul Mueed	49
Pre-Eclampsia in Women with Raised C-Reactive Protein Levels Before 20th Week of Gestation A Cohort Study Komal Memon, Shazia Jabbar, Marvi Bozdar, Sumyya Ahmed, Shahzadi, Maryam Younus	54
Diagnostic Accuracy of Duplex Ultrasonography Versus Computed Tomographic Angiography in the Detection of Significant Carotid Artery Atherosclerosis	59
Iram Aziz, Muhammad Nafees, Iram Mohsin, Shabana	
Validity of Mentzer Index in Predicting Iron Deficiency Anaemia Hafiz Zulqarnain, Muhammad Tariq Nadeem, Husnain Shahid, Ali Mujtaba, Farooq Ikram, Zain Arshad	63
Comparison of Pre-Mixed Human Insulin with Insulin Analog in Diabetic Control at Tertiary Care Hospital Syed Fahad Ul Hassan, Muhammad Zahid Hussain, Ishtiaq Munir Janjua, Hassan Salim Saadia Javed, Muhammad Tahir Younas	67

Psychosocial Impact of COVID-19 Pandemic on Parents of Children with Special Needs 71 Muhammad Nauman, Shazia Magbool, Anam Ali Administration Ankle Brachial Index as Diagnostic Marker for Asymptomatic Peripheral Chairman Arterial Disease in Diabetes Mellitus Lt Gen Mohsin Muhammad Oureshi, 76 Sued Yasir Abbas, Mohammad Naeem Qureshi, Muhammad Muttahhar Asim Niaz, Sara Aziz (Surg Gen/DGMS(IS) Janjua, Mirza Waseem Javed, Hafsa Auroj **Administration Members** Exploration of Young Adult's Perception of Skin Colour and Mental Health Prof Bilal Umair Prof Salman Saleem **Deterioration: A Qualitative Study** 80 Dr Mehmood Sultan Sidra Mumtaz, Hafsa Khalil Toor, Saba Khurshid, Farrah Pervaiz Dr Ijaz Ahmed Comparison Between Conservative and Operative Management of Diabetic Dr Muhammad Fayyaz Malik Foot Having Bone Involvement 85 Dr Adnan Sabir Hammad Oayyum, Imran Ashraf, Waqas Farooq Ali, Muhammad Shahzad, Sultan Ahmed Minhas, Abdul Rehman Rashid **Members** Assessing the Dependence of Feeding Gastrostomy Tube in Patients of Head Prof Atiq Ur Rehman Slehria and Neck Carcinomas 89 Prof Hafeez Ud Din Rabeeta Sheikh, Jawad Latif, Muhammad Sohaib Nadeem, Nadia Khaleeq, Muhammad Fawad Prof Muhammad Rafiq Zafar Ul Oamar, Irfan Haider Prof Muhammad Nadeem In Vitro Efficacy of Imipenem/Relebactam Against Imipenem Resistant Gram-Prof Nadeem Ahmed Rana Negative Strains Isolated from a Tertiary Care Hospital 94 Prof Nadia Iftikhar Saima Ishtiaq, Sonia Tahir, Muhammad Waqas Abbas, Haider Ali, Saima Syed, Fatima Kareem Prof Rao Ali Shan Khan Determination of Anti-Inflammatory and Analgesic Efficacy of Ascorbic Acid Prof Safdar Hussain after Impacted Third Molar Surgery Prof Saqib Naeem 99 Maryam Fatima, Chaudhary Muhammad Usman, Mudassar Noor, Shabana Ali, Mahjabeen Prof Shazia Nisar Prof Shoaib Ahmed Comparison of Diagnostic Accuracy of Colour Doppler Twinkling Artefact Prof Waqar Muzaffar Prof Sved Khurram Shahzad with Computed Tomography of the Kidney, Ureters, and Bladder in Detection of Nephrolithiasis in Emergency Setup-Point of Care Ultrasonography 104 Prof Tahir Masood Ahmad Rabia Tariq, Syed Farrukh Nadeem, Hasham Bin Tahir, Ali Zul Hasnain, Ammara Iftikhar, Dr Sohail Ali Dr Taqdees Fatima Dr Vigar Ashraf Surgical Strategies in Placenta Accreta Spectrum; A Quasi-Experimental Study 108 Uzma Saleem, Nadia Arif, Raja Qaseem Ahmed Therapeutic Effects of Probiotics in the Reduction of Neonatal Hyperbilirubinemia 113 Ayesha Waheed, Haider Shirazi, Asma Mustafa, Yasir Waheed Does Increasing Haemoglobin At High Altitude Alone Cause A Rise In Coronary Artery Disease; A Prospective Study 117 Manzoor Qadir, Sajid Ali Shah, Muhammad Zaman, Atif Latif, Qurrat ul Ain, Shahzad Ali Comparison of one Versus Two Burr Hole Procedures in Evacuation of Chronic Subdural Hematoma 121 Babar Shamim, Ahmed Tashfeen Ashraf, Muhammad Junaid Mushtaq, Khurshid Ali Bhangash, Awais Ali Khan, Memoona Ejaz Intra-Operative Wound Irrigation with Normal Saline Solution Versus Topical **Antibiotics to Avoid Wound Infection** 125 Sajjid Khan, Afzal Saeed Awan, Huma Asad, Raheel Khan, Hira Asad Hospital Environment, Mental Health and Turnover Intention among Doctors of Lahore 129 Ambreen Anjum, Muhammad Atif, Tahira Anwar Response Of Bortezomib, Cyclophosphamide And Dexamethasone Induction Chemotherapy in Multiple Myeloma Patients Presenting To Combined 133 Military Hospital Rawalpind Atiq-ur-Rehman, Riaz Ahmad, Amjad khan, Romana Razzaq Concordance Rate of Radiological Stage With Post-Operative Pathological **Stage In Breast Cancer** 137 Tooba Ather, Ghulam Haider, Mahnoor Ahsan, Batool Memon, Sana Sehar, Berkha Rani Comparison of General Exercises, Motor Control Exercises and Spinal Manipulation in Chronic Low Back Pain Patients 142 Ammara Khalid, Naveed Anwar, Sana Taugeer, Kehkshan Khalid, Ayesha Zakir, Sidra Munir Comparison of Manual Versus Automated Platelet Count in Predicting Haemorrhagic Manifestations In Patients with Dengue 147 Ayesha Anwer, Khurshid Muhammad Utra, Maria Tariq, Marriam Hussain, Huma Zafar, Muhammad Zahid Hussain Opinions and Attitudes of Dental Practitioners towards Intracanal Separation of Endodontic Instruments 151 Sahibzadi Moaizza Fatima Gondal, Komal Imran, Syeda Fatima tu Zahra, Ajmal Yousaf, Faisal

Mehmood, Dil Rasheed

Comparison of Working Length Loss in Manual Versus Rotary (Waveone) Preparation in Curved Canals; A Quasi- Experimental Study Mafaza Alam, Muzammil Hussain, Laima Alam, Sadaf Islam, Ajmal Yousaf, Dil Rasheed	156
Efficacy of Intra-Articular Ozone Versus Hyaluronic Acid in Patients of Knee Osteoarthritis	160
Muhammad Tahseen Talib, Muhammad Rashid Iqbal, Moazzam Ali, Uzma Tahseen, Shmyla Hamid, Maliha Khawar	100
Pre-analytical Errors in Haematology Laboratory of a Tertiary Care Hospital: A Cross-Sectional Study of Northern Pakistan Ayesha Ellahi, Sunila Tashfeen, Fahim Akhtar, Aiza Saadia, Samra Shahid, Muhammad Wasiullah Khan	164
A Quality Improvement Initiative To Reduce Invasive Candidiasis In Extremely Low Birth Weight Neonates Syed Muzaffar Saleem, Uswa Jiwani, Ali Shabbir Hussain, Manoj Kumar, Radhika Suresh Kumar, Shabina Ariff	168
Comparison of Outcome of Laparoscopic and Open Inguinal Hernioplasty Muhammad Arif Mahmood, Zaka ulla Khan, Ghazanfar Ali, Habib ur Rehman, Adeel Wyne, Syed Mohsin Manzoor	174
Should a Different Partogram be used for the Trial of Labour in Women with the Previous One Caesarean Section	
Scar as Compared to Primiparous Women; A Comparative study Salisa Khan, Mahpara Tariq, Shakila Parveen, Tehreem Yazdani, Rizwana Bashir, Mehwish Munir	179
Adherence Of Primary Caregiver To Post Stroke Dysphagia Recommendations In Pakistan	183
Rimsha Shakeel, Nazia Mumtaz, Ghulam Saqulain, Maryam Shakeel, Nadeem Ahmad	
Anti-Mullarian Hormone As A Diagnostic Marker of Polycystic Ovary Syndrome Shabana Abbas, Asma Hayat, Rabiya Shabbir, Muhammad Mujahid Sharif, Asma Iqbal, Rehana Abbas	188
Analgesic efficacy of Ultrasound-Guided Caudal Block versus Pudendal Nerve Block in BRAKA-I Repair for	
Paediatric Hypospadias Abrar Ahmed, Syed Qasim Rizvi, Muhammad Saad Sikander, Khalid Buland, Muhammad Huzaifa Shareef, Muhammad Saad Farooq	192
Pattern of Maxillofacial Fractures in Combined Military Hospital, Peshawar Faisal Nawaz Khan, Zainab Akbar, Sanya Javaid, Muhammad Afzal, Muhammad Ramzan Adeel, Sabeen Saeed	197
Dyslipidaemia in Acute Non-Cardioembolic Ischemic Stroke Patients At A Tertiary Care Center Muhammad Umair, Asad Zaman Khan, Asad Bilal Mir, Muhammad Farrukh Habib, Iqra Iqbal, Jamshaid Iqbal	202
Association of Tumour Budding With Histological Type and Grade, Pathological Stage and Lymph Node Metastasis in Colorectal Carcinoma Wajahat Ahmed Khan, Bushra Parveen, Muhammad Asif, Muhammad Usman Rathore, Farhat Rashid, Hassan Tariq, Naveed Khan	206
Clinical Audit on the Quality of Pre-Anaesthesia Assessment based on Predefined Pre-anaesthesia Assessment Form Khalid Mahmood, Muhammad Ali Abbas, Bilal Yasin, Muhammad Saeed, Mohsin Saleem, Saleha Sarfraz	211
Comparison of Haller Index Values Calculated with Chest Radiographs Versus Computed Tomography for Pectus Excavatum Evaluation Asma Afzal Kiani, Sara Haider, Sana Sharif, Khadija tul Kubra, Khushbu Fatima, Nadia Murtaza	216
Maternal Morbidity Associated With A Successful Versus Failed Trial of Labour After a Previous Caesarean Section Beenish Rashid, Abida Ashraf, Mahpara Tariq, Abeera Choudry, Qurat ul Ain, Hira Shafqat	220
Association of Socio-Demographic Factors with Polycystic Ovarian Syndrome; A Comparative Study Mahreen Bhatti, Nabila Amin, Iftikhar Ahmed Satti, Hammad Gul Khan, Abdur Rauf, Radia Tul Zahra	224
XDifferential Impact of Subcutaneous Neurokinin B Administration on Epididymal Proliferation in Adult New Zealand White Rabbits: A Dose-Dependent Study Faiqah Ramzan, Ramsha Zahra, Muhammad Haris Ramzan	228
Demographics, Daily Sleep Hours, Body Mass Index, and Comorbidities in Overweight People Ayesha Amjad, Saeed Bin Ayaz, Fawad Rahman, Ahmad Jamal, Naureen Tassadaq, Sonia Iqbal	234
Comparison of Interferon-Inducible Patient-10 and Chemokine Ligand-2 Expression in COVID-19 Patients Nayab Khalid, Mehwish Qamar, Sadia Syed, Ibrahim Liaqat, Muhammad Irfan ul Akbar Yousufzai, Summyah Niazi	238
CASE SERIES	1
Impact of COVID-19 in Pregnant Women and Vertical Transmission in Newborns; A Case Series Yasmin Fatima, Islam Bano, Pareesae Humayun, Maria Sajid, Lubna Noor, Majid Waseem	242
Treatment of Heavy Postmenopausal Bleeding With Comorbidities in Septuagenarian, Octogenarian and Nonagenarian (Case Series)	245
Mamuna Qayyum, Abdul Bari, Nomira Waheed, Saba Zaman, Javeria Naeem, Osama Ali	
CASE REPORT Discominated Introvescular Congrelation With Eventsive Fibringlysis (DIC VEI) A Page Association of Matestatic	
Disseminated Intravascular Coagulation With Excessive Fibrinolysis (DIC-XFL) A Rare Association of Metastatic Prostate Adenocarcinoma: A Case Report Muhammad Nadeem, Bilal Razzaq, Nayab Khan	248
Obesity and Acanthosis Nigricans as the Clinical Markers of Insulin Resistance and Type-2 Diabetes Mellitus in Young Patients; A Case Report of Two Cases Moeez Ahmed, Wajid Ali	250
OBITUARIES	1
Prof Muhammad Nisar Khan - (1930-2023)	253
Prof Zaheer Ud Din - (1935-2023)	254