Journal of Islamabad Medical and Dental College
Volume 13 Issue 1, January–March 2024

Table of Contents

Editorial

Dry Needling: An Evidence Based Approach to Treat Myofascial Trigger Point 1-3
Abdul Ghafoor Sajjad

Re-Emergence of SARS-CoV-2: Frequent Mutations, Amplified Transmissibility and Immune Elusion 4-6
Anam Zia, Zahid Naeem

Original Articles

New Onset Pancytopenia in Adults: Clinico-etiological Profile at a Tertiary Care Hospital 7-13
Ama tul Naval, Sehrish Naz, Nehaj Tariq, Shameela Majeed, Nabeela Naeem, Gulmina Saeed Orakzai

Optimizing Dental Waste Practices: A Comprehensive Review of Waste Management in Hospital and Private Dental Practice across Pakistan 14-20
Noor ul Huda, Hina Nasim, Haseeb Ahmad, Hazik Shahzad, Anosha Mujtaba, Sayyeda Maria Aftab

Frequency and Clinical Implications of Atrial Fibrillation in Patients with Accessory Pathways 21-28
Hameed Ullah, Nasir Ali, Talia Mansoor, Romana, Muhammad Idrees Khan, Zahoor Ahmad Khan

Incidence of Pocket Infection after Implantation of Permanent Pacemaker 29-33
Hameed Ullah, Nasir Ali, Talia Mansoor, Romana, Muhammad Idrees Khan, Zahoor Ahmad Khan

Pattern of Adenoviral Conjunctivitis Reported to Tertiary Care Hospitals During Epidemic in Pakistan 34-38
Afia Matloob Rana, Erum Yousafzai, Waseem Akhter, Saira Bano

The Effect of Intravenous Tranexamic Acid on Reduction of Seroma After Para-Umbilical Mesh Hernioplasty 39-42
Usman Ali Rahman, Khalil Ahmed, Iftikhar Ahmed, Muhammad Atif Niaz, Muhammad Mohsin, Zain Himayoun

Effect of Probiotics on Plasma Glucose Level in Obese Patients on Risk of Gestational Diabetes Mellitus 43-48
Naseem Fatima, Saera Afghan, Yasmeen Ara, Majida Zafar, Hadia Hina, Khansa Ahsan

The Frequency of Depression Among Patients with Chronic Kidney Disease on Hemodialysis 49-53
Ateeq Ur Rehman, Irfan Mirza, Amir Ullah, Tahir Rashid

Radiographic Assessment Regarding the Pattern of Third Molar Impaction and its Association with Gender in the Population of Islamabad 54-59
Hina Nasim, Mawra Hyder, Anosha Mujtaba, Afsheen Mansoor, Bushra Afridi, Arsalan Hyder

Clinical Application of Reticulocyte Maturity Indices in Early Diagnosis of Iron Deficiency Anemia in the First Trimester of Pregnancy 60-66
Amna Imtiaz, Noshina Noreen, Rabiah Asghar, Rabia Nazir, Rabeea Irfan, Bushra Anam Ali

Role of Formoterol on Myogenic Regulatory Factor to Ameliorate Statin-induced Myopathy Abdullah Qamar, Arsalan Manzoor Mughal, Humaira Ali, Tayyaba Faisal, Maria Iram, Sana Malik	67-70
Neonatal Hypoglycemia How common is Hypoglycemia in Newborns Weighing Less Than 2500 gms: A Hospital Based Study Malak Ahmad Khan, Sohail Shahzad, Ameena Saba, Wajeeha Amber, Syed Taqi Hasan	71-75
Comparison Between Myoinositol and Metformin on Biochemical Profile in Women with Polycystic Ovarian Syndrome Zaib Un Nisa, Faiza Murtaza, Sidra Kiran, Sehrish Sabir, Sidra Anam, Irem Khurshid	76-81
Health Determinants of Methylmercury Exposure in Coastal Pakistani Women: Fish Consumption and Environmental Influences Asad Ali Khan, Syed Iqbal Azam	82-87
Risk Factors Analysis of Vascular Invasion in Hepatocellular Carcinoma Belqees Yawar Faiz, Sajida Shah, Inamullah Shah, Zainab Malik, Adnan Arif	88-93
A Cross-Sectional Study on the Use of Computed Tomography Scan for Diagnosing Renal Masses in Pakistani Adults Naushaba Malik, Shahbakht Aftab, Rida Noor	94-100
Investing Machine Learning Models in Acute Myocardial Infarction to Predict Mortality Cheragh Hussain, Muhammad Idrees Khan, Nazeef Ullah, Abid Ullah, Rayan Shah, Aurangzeb Khan	101-109
Prevalence of Interstitial Lung Disease in Patients with Chronic Cough Taking Chest X-rays and CT Chest as Diagnostic Tools Abdul Qadeer Khan, Shaista Nayyar, Sohaib Khalid, Irum Taqi, Murtaza Ahmed Khan	110-115
Comparison of Preoperative Pregabalin Versus Dexamethasone for Postoperative Analgesia in Patients Undergoing Inguinal Hernia Repair Umer Naseem, Ammar Ali Shah, Farah Naz, Muhammad Nazir Awan, Jawad Zaheer	116-121
Prognostic Significance of Baseline Neutrophil to Lymphocyte Ratio and Lymphocyte to C-reactive Protein Ratio in COVID-19 Patients Anum Afsar, Rifat Yasmin, Huma Hussain, Syed Asim Ali Shah, Syeda Turab Fatima Abidi, Aziz ul Qadir	122-127
Evaluation of the Effects of Magnesium Sulphate versus Normal Saline on Hemodynamics in Patients Undergoing Laparoscopic Cholecystectomy Rashid Ullah Khan, Syed Adnan Alam, Muhammad Bilal, Afia Rahna, Khurram Liaqat, Javed Iqbal	128-136
Outcomes of Purse-string versus Conventional Linear Suture Closure of the Skin Wound Following Ileostomy Reversal Muhammad Adnan Khokhar, Afaq Ahmad, Ibad Ur Rehman, Tashfeen Imtiaz, Erum Najeeb, Muhammad Burhan Ul Haq, Roohi Saghir	137-142
Immunohistochemical Expression of Ki-67 in Malignant Salivary Glands Tumors Sultan Muhammad Wahid, Faiz Rasul, Zainab Rizvi, Khurram Nadeem, Ahmed Sultan, Muhammad Talha Haseeb	143-150
Review Articles	
Typhoid Fever: Pakistan's Unique Challenges and Pragmatic Solutions Maqsood Ahmad, Muhammad Saeed, Farhan Rasheed, Muhammad Hidayat Rasool, Iqra Jamil, Noore Saba, Akhlaaq Wazeer, Zahida Qasim, Mohsin Khurshid	151-161
Chronic Dengue Syndrome: A Narrative Review Rizwan Aziz Qazi, Hina Siddiqui	162-166

Burkholderia cepacia: Understanding Pathogenicity, Virulence Factors, and Therapeutic Strategies Muhammad Saeed, Farhan Rasheed, Iqra Jamil, Muhammad Hidayat Rasool, Noore Saba, Maqsood Ahmad, Akhlaaq Wazeer, Abdul Waheed, Mohsin Khurshid	167-173
Case Reports	
Expanded Dengue Syndrome with Pulmonary Manifestations: A Case Report Rizwan Aziz Qazi, Hina Siddiqui	174-177
Restoration of Bilateral Premolars Using Custom Made Cast Post and Core: A Case Report Asma Bibi, Saima Azam, Rida Fatima Waseem	178-182
Primary Cutaneous Mucinous Carcinoma: A Case Report Nosheen Nabi, Qudsia Ishaq, Umer Mehmood, Naseer Ahmed	183-186
Special Communication	
The Journey from Basic to Clinical Pharmacology Sarwat Jahan, Salman Zahir, Manzoor Khan, Khansa Khan, Mashal Asad, Ahmed Hassan Khan	187-195