



EDITORIAL

| | |
|---|-----|
| Genomics and Molecular Services in Developing Economies: a Suggested Road Map to Incorporate Technology in Parallel to the Emerging Landscape of Genetic Service Provision AI AI-Driven Arena <i>Sikandar Hayat Khan, Muhammad Qaiser Alam Khan, Asma Hayat</i> | 620 |
|---|-----|

ORIGINAL ARTICLES

| | |
|---|-----|
| Frequency of Hepatitis B or C in Patients of Beta Thalassemia Registered in the Thalassemia Centre, Pak Emirates Military Hospital, Rawalpindi <i>Kiran Zeb, Asma Razzaq, Farooq Ikram</i> | 622 |
| Not all Patients with Severe/Critical COVID-19 Pneumonia Benefit from Tocilizumab <i>Abdul Rehman Arshad, Bilal Saeed, Imran Khan</i> | 626 |
| A Split-Face Comparative Study of ACNE Scar Treatment Using Microneedle Radiofrequency Plus Fractional Carbon Dioxide (Co2) Versus Microneedle Without Radiofrequency Plus Carbon Dioxide (Co2) <i>Beenish Jabeen Bajwa, Sumera Hanif, Haroon Nabi, Talat Akbar, Saman Iqbal Goraya, Tassmia Cheema</i> | 631 |
| Diagnostic Accuracy of Microbiological Culture for the Diagnosis of Helicobacter pylori Infection in Dyspeptic Patients taking Histopathological Examination as Gold Standard <i>Naveed Abbas, Muhammad Hafeez, Muhammad Asad Sultan Khan, Muhammad Farhan Shahid, Hassam Abdullah, Hamza Bin Tariq</i> | 636 |
| Comparison of Contrast-Enhanced Computed Tomography with Positron Emission Tomography-Computed Tomography in Assessing Extra-Nodal Involvement in Lymphoma <i>Sana Ahmed Khan, Rizwan Bilal, Atiq Ur Rehman Slehra, Mobeen Shafique, Shaista Nayyar, Hafsa Sadiq</i> | 640 |
| Comparison of Dexamethasone and Local Anaesthetic Infiltration in Management of Postoperative Nausea and Vomiting in Pediatric Tonsillectomy <i>Muhammad Shahzad Bashir, Sana Abbas, Usman Saqib, Shakeel Ahmed, Adeela Khan, Hareem Azhar</i> | 645 |
| Evaluating the Association of Hyperuricemia in End-Stage Renal Disease Patients on Hemodialysis at a Tertiary Care Hospital <i>Muhammad Ansar, Khalid Mehmood Raja, Hafiz Asad Saeed, Muhammad Hammad, Falak Naz Alvi, Zain-ul-Abidin</i> | 650 |
| Work Related Quality of Life (WRQoL) Survey of Surgical Residents at Tertiary Care Hospital <i>Tahmeedullah</i> | 655 |
| Comparison of Postoperative Wound Infection Between Staple and Prolene Suture Closure Techniques in Elective Surgeries at a Tertiary Care Hospital <i>Azka Irshad, Raheel Anjum, Sajjad Ahmad Ansari, Muhammad Zain Farooq, Muhammad Tahir, Ghulam Fareed</i> | 660 |
| Greater Auricular Nerve Infiltration: An Effective Way to Control Per-Operative Pain During Mandibular Third Molar Surgery <i>Muhammad Afzal, Adnan Babar, Babar Pasha, Syed Gulzar Ali Bukhari, Mubashir Sharif, Azher Ali Bangash</i> | 664 |
| Correlation of Post-Intubation Croup with duration of General Anesthesia in Children undergoing Genitourinary Surgery <i>Abrar Ahmed, Syed Ali Mazhar Rizvi, Muhammad Saad Sikander, Khalid Buland, Muhammad Huzafa Shareef, Muhammad Saad Farooq</i> | 669 |
| Association of Various Factors with Restless Leg Syndrome in Patients of Chronic Kidney Disease <i>Asim Saleem, Asad Mahmood, Mohsin Qayyum, Farrukh Islam, Muhammad Waseem, Rehab Younus</i> | 674 |
| Cross-Sectional Analysis of Immunohistochemical Expression of Mismatch Repair Proteins in Prostate Cancer <i>Muhammad Atif Khalil, Nadeem Zafar, Hassan Tariq, Wajahat Ahmed Khan, Moniba Zafar, Muhammad Owais Qurni, Siyab Ahmed</i> | 679 |
| Comparison of CSMC (Cedar Sinai Medical Center) QGS/QPS (Quantitative Gated SPECT/Quantitative Perfusion SPECT) and INVIA-4 Dimension Myocardial SPECT Softwares for Quantitative Analysis of Left Ventricular Perfusion and Function in Gated Myocardial SPECT Scintigraphy <i>Zeeshan Sikandar, Fida Hussain, Muhammad Adil, Muhammad Atif, Asad Malik, Hafiza Shameela</i> | 684 |
| Evaluation of Neutrophil-Lymphocyte Ratio in Early Diagnosis of Severe Acute Pancreatitis using the Computed Tomography Severity Index as Reference Standard <i>Junaid Tahir Butt, Syed Mukarram Hussain, Syed Aizaz Hussain Zaidi, Naila Medhat, Bilal Dildar, Ghazanfar Jabbar</i> | 689 |
| Comparison of Efficacy of Oral Lacosamide Versus Oral Topiramate in Young Adults with Chronic Migraine <i>Nabeel Tahir Butt, Muhammad Usman, Abdul Hameed Bhatti, Farah Ahsan, Rizwan Azam, Kashif Raza Kazmi</i> | 694 |

Editorial Committee

Chief Editor

Prof Khurram Haq Nawaz

Editor

Prof Khadija Qamar

Associate Editor

Prof Palvasha Waheed

Joint Editor

Prof Muhammad Alamgir Khan

Assistant Editors

Prof Syed Fawad Mashhadi

Dr Muhammad Rizwan Bashir Kiani

Dr Aiza Saadia

Prof Muhammad Luqman Satti

Prof Muhammad Kaleem

Managing Editor

Dr Rehana Khadim

Statistician

Ms Anam Haider

Editorial Board Members

International

Dr Sajid Hassan Butt (NHS UK)

Prof. Assad Hafeez (Kuwait)

Prof. Sultan Ayoub Meo (KSA)

Dr. Fariha Altaf (UK)

Dr. Abeer A. AL-Masri (KSA)

Prof Ishfaq Bukhari (USA)

Prof Abdul Samad Khan (Saudi Arabia)

National (Extra-Organizational)

Prof Abid Ashar (Lahore)

Prof Muhammad Shoaib Shafi (Islamabad)

Prof Khalid Masood Gondal, TI (Lahore)

Dr Amina Ahmad (Lahore)

Prof Rubina Naqvi (Karachi)

Prof Waheed uz Zaman Tariq (Lahore)

Prof Mowadat H Rana (Islamabad)

| | |
|--|-----|
| Comparison of Pain with Subcutaneous Lignocaine Infiltration Based on Gate-control Hypothesis versus Conventional Bleb Formation before Passing Large-Bore Intravenous Cannula <i>Muhammad Rizwan, Kaukab Majeed, Chaudhry Amjad Ali, Akhtar Hussain, Sajjad Qureshi, Kaswar Sajjad Ansari</i> | 698 |
| Evaluation of Hormonal Profile and Y Chromosome Microdeletion in Azoospermic and Severely Oligozoospermic Males Presenting with Primary Infertility <i>Khizar, Zujaja Hina Haroon, Muhammad Zeeshan Rana, Muhammad Anwar, Muhammad Usman Munir, Muhammad Younas</i> | 703 |
| Comparison of Treatment Modalities for Management of Pain in Pediatric Gartland Type I Extension Type Supracondylar Humerus Fractures Using Above Elbow Backslab (Splint Immobilization) Versus Collar and Cuff <i>Yasir Umer, Syed Junaid Ismail, Amir Nisar, Waleed Umer, Nadia Junaid</i> | 708 |
| Effect of Serum Vitamin D Levels on the Severity of Periodontal Disease: A Comparative Study <i>Maliha Tariq, Marij Hameed, Mehtab Ahmad, Asma Wahid, Shafiq-ur-Rehman, Nida Ayub</i> | 712 |
| Cognitive Deficits in Adult Schizophrenia and its Association with Clinical Factors <i>Ayesha Shabbir, Sohail Ali, Assam Muhammad Bin Sharif, Saman Ijaz, Maria Ahmad Khan, Malik Nohman</i> | 717 |
| Evaluation of Root Coverage Using Subepithelial Connective Tissue Graft in Combination with Tunnel Technique <i>Jawairia Zaman, Muhammad Azeem, Hafiza Mahnoor Kaleem, Armaghan Israr Mirza, Zukhruf Ashraf, Waleed Javaid Toosy</i> | 722 |
| Efficacy of the National Early Warning Score (NEWS) in Predicting In-Hospital Mortality in Surgical High Dependency Unit (HDU): A Prospective Study <i>Ahmed Tariq, Shahid Mehmood Khan, Abdul Hameed, Chaudhary Imran Ashraf, Maira Wajahat, Muhammad Ajmal Leghari</i> | 727 |
| Evaluating the Effectiveness of Divergent Versus Crossed Kirschner Wire Techniques in Managing Pediatric Misaligned Fractures Above the Elbow (Supracondylar) in the Humerus <i>Adeel Habib, Ejaz Ashraf Mallhi, Ali Ejaz Mallhi, Nisar Ahmed</i> | 731 |
| In-Depth Analysis of Urrent Infection Prevention and Control Practices in Class C Military Hospitals of Pakistan <i>Ayesha Ehsan, Fatima Ehsan, Hamad Hanif</i> | 735 |
| Effect of Artificial Pneumothorax on Operating Time for Video Assisted Thoracoscopic (VATS) Thymectomy <i>Hassan Shabbir, Farhan Ahmed Majeed, Adeel Wyne, Ahmed Raza, Muhammad Salman Tahir, Muhammad Arif Mahmood, Hassaan Hamzai</i> | 742 |
| The Effects of Dapagliflozin Therapy on Serum Uric Acid Levels in Patients of Type 2 Diabetes Mellitus with Hyperuricemia <i>Ezza Mariam, Muhammad Naem Qureshi, Fuad Ahmad Siddiqi, Fayyaz Hassan, Kanaz Ahmad Siddiqi, Laila Yaseen</i> | 747 |
| Sports Injuries and their Association with Entry Level Body Mass Index in Young Athletes: a Case Control Study <i>Muhammad Faisal Afridi, Muhammad Khalid Anwar, Salahuddin Qasim</i> | 752 |
| Comparison of Pulse Oximetry versus Wang Score in Children Aged Three to Twenty-Four Months Admitted with Acute Bronchiolitis in Pak-Emirates Military Hospital, Rawalpindi <i>Aqsa Zafar, Muhammad Tariq Nadeem, Hira Ahmed, Tamoor Afzal, Amina Pirzada, Maryam Waheed</i> | 757 |
| Comparison of Pretreatment with Dexmedetomidine and Metoprolol on Attenuation of Hemodynamic Parameters and Emergence During Electroconvulsive Therapy <i>Khalid Mahmood, Mohsin Saleem, Muhammad Ali Abbas, Bilal Yasin, Muhammad Saeed, Saleha Sarfraz</i> | 762 |
| Evaluation of Needle Core Biopsy Reporting Categories with Histopathological Findings on Breast Excision Specimens <i>Rubina Riaz, Tariq Sarfaraz, Salma Afzal, Yasmin Wahid, Rehana Ramzan, Saba Aneeq</i> | 768 |
| Effect of Kangaroo Mother Care on Weight Gain in Preterm Infants at Tertiary Care Hospital <i>Ayesha Rafiq, Talal Waqar, Ammara Kaleem, Mayda Riaz, Arouj Waqqas</i> | 773 |
| Comparison of Microneedling with Platelet-Rich Plasma versus Distilled Water for Atrophic Acne Scar <i>Iqra Ghaus, Asher Ahmad Mashhood, Farrah Yousaf, Hassan Sajjad Rathore, Ghazala Yasmin, Shumaila Khan</i> | 778 |
| Evaluation of Safety of Lidocaine with Epinephrine in Known Hypertensive Patients Requiring Dental Surgery <i>Shahrukh Ahmed Saeed, Saad Mahmood, Dil Rasheed, Nazir Ahmed Khan, Sana Ejaz, Tehmina Maryam</i> | 783 |
| Frequency of Common Nerve Injuries in Patients with Oral and Maxillofacial Trauma <i>Zahid Dildar, Muhammad Ishaq, Ali Akhtar Khan, Shafi Ullah, Ammar Yasir, Tariq Mahmood</i> | 788 |
| Evaluation of Changes in Macular Thickness following Nepafenac Ophthalmic Drops in Chronic Diabetes <i>Muhammad Jahanzaib, Fakhar Humayun, Saad Naseer, Usman Tariq, Fawad Ahmad Khan, Waqas Rahim Butt</i> | 792 |
| Hemostasis: A Comparative Analysis of Hot Saline and Room Temperature Saline in Sinus Surgery <i>Marina Gul Khan, Maqbool Raza, Jahangir Ahmad Afridi, Sheikh Saadat Ullah Waleem, Nauman Jamil, Waqas Hashmi</i> | 797 |
| Clinicopathological Profile of Cutaneous Adnexal Tumors at a Tertiary Care Hospital in Pakistan <i>Aamir Habib, Abdul Qadir</i> | 802 |
| Frequency and Distribution of Mount-Hume Classification Among Patients Requiring Root Canal Treatment at Armed Forces Institute of Dentistry <i>Talha Khurshid, Nadeem Ahmad Rana, Syed Muzammil Hussain Shah, Hafiz Rabbi Ul Ehsan, Shan e Haider Naqvi, Ahmad Abdullah</i> | 807 |
| Efficacy of Progressive Muscle Relaxation in Reducing Psychological Distress and Improving Quality of Life Among Nursing Students: A Feasibility Trial from Pakistan <i>Shakeel Ahmed, Nazia Mustafa, Abid Aftab, Sophia Rashid Khan</i> | 812 |
| Patterns and Severity of Peripheral Vascular Disease in the Pakistani Population <i>Athar Badshah, Anas Bin Saif, Nauman Imtiaz, Ahsin Manzoor Bhatti, Rizwan Khan, Azaz Ayubi</i> | 819 |
| SHORT COMMUNICATION | |
| Pioneers of Medical Profession in Pakistan: Contributions of Armed Forces Doctors <i>Mahmud Ahmed Akhtar</i> | 824 |
| CASE REPORT | |
| Pancreatic Insulinoma Diagnosed after 25 years and Conservative Management of Pancreatic Fistula after Insulinoma Surgery <i>Ahmed Hassaan Malik, Shafaqat Ali</i> | 830 |