



CONTENTS

Editorial Advisory Board

Chairman

Lt Gen Mohsin Muhammad Qureshi, (Surg Gen/DGMS (IS))

Members

Prof Bilal Umair  
Prof Salman Saleem  
Dr Mehmood Sultan  
Dr Ijaz Ahmed  
Dr Ahsan Altaf  
Dr Qamar Hussain

Editorial Committee

Chief Editor

Prof Farrukh Saeed

Editor

Prof Khadija Qamar

Joint Editors

Prof Muhammad Alamgir Khan  
Prof Palvasha Waheed

Assistant Editors

Dr Syed Fawad Mashhadi  
Prof Kulsoom Farhat  
Dr Shamaila Mohsin  
Dr Aliya Hisam  
Dr Muhammad Rizwan Bashir Kiani  
Dr Rimsha Zia  
Dr Junaid Aslam  
Dr Aiza Saadia

Managing Editor

Dr Rehana Khadim

Statistician

Ms Anam Haider

Superintendent

Mr Mudassar Mustafa

Editorial Board Members

International

Dr Sajid Hassan Butt (UK)  
Prof Adeel Ajwad Butt (USA)  
Prof Assad Hafeez (Kuwait)  
Sultan Ayoub Meo (Saudi Arabia)  
Fariha Altaf

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)

National (Organizational)

Prof Abeera Choudry  
Prof Muhammad Asad Qureshi  
Prof Atiq Ur Rehman Slehria  
Prof Hafeez-Ud-Din  
Prof Nadia Iftikhar  
Prof Muhammad Nadeem  
Prof Nadeem Ahmed Rana  
Prof Rao Ali Shan Khan  
Prof Muhammad Rafiq Zafar  
Prof Saqib Naeem  
Dr Sohail Ali  
Prof Safdar Hussain  
Prof Syed Khurram Shahzad  
Prof Shazia Nisar

EDITORIAL

Endo Scope Sleeve Gastroplasty: Best Obesity Treatment

Rao Saad Ali Khan

1

ORIGINAL ARTICLES

Comparison of the International Crowding Measure in Emergency Departments (ICMED) and the National Emergency Department Overcrowding Study (NEDOCS) in Tertiary Care Hospital to Measure Emergency Department Crowding

Zara Zafar, Nadeem Ashraf, Wasim Alamgir, Aaysha Rehman, Qurat-Ul-Ain, Sumaira Ilyas

3

Assessment of Risk to Healthcare Workers During the COVID-19 Pandemic: A Tertiary Care Facility Based Cross-sectional Study in Pakistan

Bushra Ameer Saeed Awan, Shamaila Mohsin, Syed Fawad Mashhadi, Shazia Nisar

8

Validation of Vanillylmandelic Acid (VMA) with Plasma Metanephrine and Normetanephrine for Screening Adrenal Medullary Disorders

Usama Bin Khalid, Zujaja Hina Haroon, Muhammad Amir, Sana Ashraf, Afshan Bibi, Haroon Javaid

12

Diagnostic Accuracy of CHROMagar Orientation for Identification of Uropathogens

Nayab Ali, Wajid Hussain, Irfan Ali Mirza, Asima Niazi, Fatima Rubab, Saira Salim

17

Diagnostic Accuracy of Tympanometry for Diagnosis of Fluid the Middle Ears of Children with Otitis Media with Effusion staking Myringotomy as Gold Standard

Syed Aoun Abbas Mehdi, Sayed Nusrat Raza, Zaheer Ul Hassan, Amir Ali Khan, Matahir Manzoor, Mohammad Noman Karim

21

Comparison of Efficacy of Double Dose Oral Terbinafine versus Itraconazole in the Treatment of Dermatophyte Infections of Skin

Umar Abdul Ali, Nadia Iftikhar, Naveed Akhtar Malik, Javeria Hafeez, Uzma Bashir, Muhammad Waseem Shahid

25

Efficacy of Electroconvulsive Therapy and Ketamine Therapy in Major Depressive Disorder; A Comparative Study

Asif Azeem Bajwa, Sohail Ali, Sikandar Ali Khan, Nida Saleem, Tashfeen Bin Nazir

29

Antibiotic Sensitivity Pattern of Carbapenem-Resistant Pseudomonas Aeruginosa

Fatima Ali, Irfan Ali Mirza, Hafsa Waseem, Humaira Zafar

33

Pathology-Based Tumour Registry Analysis of Cases of Female Genital Tract Malignancies

Madeeha Anwar, Muhammad Tahir Khadim, Muhammad Asif, Hafeez Ud Din, Shahid Jamal

38

Efficacy of Five Days Nitrofurantoin Therapy versus Fosfomycin Stat Dose in Clinical Resolution of Uncomplicated Urinary Tract Infections

Hasham Bin Tahir, Malik Nadeem Azam Khan, Raheel Khan, Rabia Tariq, Bilal Ahmed, Hafiz Waleed Khan

42

Improvement in Competency and Confidence Level of House Officers in ECG Interpretation after a Goal-Directed ECG Workshop

Jamal Azfar Khan, Nadia Aziz Ather, Ghulam Abbas Khan Niazi, Muhammad Irfan Khattak, Kashif Razaq

46

Comparison of Recurrence Rate of Wrist Ganglion Between Seton and Open Surgical Excision in Military Hospitals of Pakistan

Bilal Saeed, Jamil Salamat Ullah, Majid Aziz, Muhammad Shahid, Arsalan Siraj, Shah Rukh Tariq

50

Significance of Hematological Parameters in Patients with Type-2 Diabetes Mellitus and Its Relationship with Disease Complications

Faraz Ali Rana, Helen Mary Robert, Madiha Ilyas, Asad Mahmood, Muhammad Amir, Nabeela Khan

54

Electrolyte Imbalance Pattern in Hospitalized Unconscious Patients

Muhammad Naveed, Malik Nadeem Azam Khan, Syed Umer Shah, Altaf Hussain, Muhammad Shahid Khan, Muhammad Zahid Hussain

59

Importance of Interrelation between ABO Blood Group and Platelet Indices in Young Healthy Adults

Nozaif Sarwar, Muhammad Iqbal, Zunera Sajjad, Mohsin Hussain, Ijaz Iqbal, Umer Chaudhary

62

Marginal Integrity of Class-I Restorations, Restored with Amalgam and Bonded Amalgam; A Comparative Study

Muzammil Jamil Ahmed Rana, Mehmood Ahmed Rana, Sara Bano, Ajmal Yousaf Bangash, Sadaf Islam, Sara Hamdani

66

<b>Drug-Induced Hand-Foot Syndrome in Cancer Patients Receiving Capecitabine in A Tertiary Care Hospital</b> <i>Ibtisam Idrees, Riaz Ahmad, Muhammad Umair, Anum Zargham, Mir Jalal-Ud-Din, Tahir Manoor Lone</i>	70
<b>Parenting Practices and Aggression in Childhood Behaviour Disorders</b> <i>Fatima Rahman, Shazia Maqbool, Anam Ali, Talha Mahmud, Hina Azhar, Aisha Farid</i>	74
<b>Comparison of the Functional Outcomes of Close Reduction Percutaneous Pinning Versus Open Reduction Internal Fixation with Pinnigin Children with Gartland Type III Supracondylar Fracture of Humerus</b> <i>Pervez Ali, Kashif Mehmood Khan, Riaz Elahi Khoso, Shazia Soomro*, Ranjeet Kumar, Annam</i>	79
<b>Establishing Reference Intervals for HBA1C in all three Trimesters of Pregnancy; A Cross-Sectional Study on Healthy Pregnant Women of Quetta, Baluchistan</b> <i>Azadi Khan, Naveed Asif, Raza Ullah, Taimoor Ashraf Khan, Asma Khan, Saima Shakil Malik</i>	84
<b>Nitrous Oxide Influence on Induction of Anaesthesia with Sevoflurane</b> <i>Ihtisham Ul Haq, Muhammad Umar Zahoor, Farhat Afshan Jelani</i>	88
<b>Post Total Thyroidectomy Hypocalcaemia and relation with the Age of the Patient</b> <i>Iftikhar Ahmad, M. Jalil Malik, Mansour Hassan, Saquib Naeem, Syed Farrukh Nadeem, Fayyaz Hussain</i>	92
<b>Growth Characteristics in Children with Congenital Adrenal Hyperplasia Visiting Tertiary Care Hospital, Karachi</b> <i>Abdul Qayyum, Versha Rani Rai, Roshia Memon, Shazia Mahar, Taj Muhammad Laghari, Mohsina Noor Ibrahim</i>	96
<b>Seroprevalence of SARS-CoV2 Antibodies among Patients and Healthy Individuals of Lahore</b> <i>Kanwal Hassan Cheema, Muhammad Saeed Anwar, Fatima Hameed, Majid Rauf, Afia Sarwar, Mariam Danish Iqbal</i>	99
<b>Association of Hyperuricemia with Hypertension in Patients Presenting in the Outpatient Department for Regular Follow-Up</b> <i>Asif Ali, Malik Nadeem Azam Khan, Imran Ali, Muhammad Zahid Hussain, Muhammad Shahid Khan, Yasmeen Sajid</i>	103
<b>Efficacy of Topical 0.05% Isotretinoin Gel Versus 0.1% Adapalene Gel in The Treatment of Mild to Moderate Acne Vulgaris</b> <i>Summaya Saleem, Naeem Raza, Nida Saleem, Saleem Ullah, Ghazala Yasmin, Farrah Yousaf</i>	107
<b>Association of Sociodemographic Factors and Vitamin-D Levels with the Severity of Depressive Symptoms</b> <i>Qurat ul Ain, Sawera Mansoor, Nadeem Abbas, Usama Bin Zubair, Muhammad Baqir, Tooba Latif</i>	111
<b>Impacted Mandibular Third Molars, A Nuisance to Neighbouring Mandibular Molars; A Radiographic Study</b> <i>Shafi Ullah Khan, Khalid Mahmood, Muqaddas Rukhsar, Imran Khan, Aqeel Ibrahim, Kanza Iqbal, Maryam Umar</i>	115
<b>Serum Prolactin as an Early Biomarker for Detection of Gestational Diabetes Mellitus-An Experience at CMH Quetta</b> <i>Azeema Ahmed, Saima Bashir, Hamid Iqbal, Naeema Ahmed, Muhammad Anwar, Javaria Ahsan, Fatima Sana, Khurram Haq Nawaz</i>	119
<b>Left Ventricular Systolic Dysfunction in Patients of Obstructive Sleep Apnea Syndrome</b> <i>Zahra Asif Sukhera, Muhammad Zill-e-Hamayun Mirza, Rizwan Azam, Ibrahim Zafar Gondal, Asif Mumtaz Sukhera, Komal Arshad</i>	123
<b>Anti-Inflammatory Drugs and Immunosuppressants in Rheumatological and Musculoskeletal Diseases</b> <i>Syed Hassan Mustafa, Talha Durrani, Saqib Adnan, Rabnawaz Khan</i>	127
<b>Comparison of Frequency of Pseudo-Exfoliation Syndrome in Patients Undergoing Cataract Surgery in Different Regional Hospitals of Pakistan</b> <i>Irshad Hussain, Abdul Rauf, Omar Ishtiaq, Omar-ul-Islam, Faisal Aziz Khan, Shahzad Ali</i>	131
<b>Coagulation Profile in Diabetes and Its Association with Diabetic Microvascular Complications</b> <i>Amna Khan, Abdul Rauf, Summaya Khan, Muhammad Haroon Sarfraz, Muhammad Shahid Tarrar, Maryam Nisar</i>	135
<b>Superadded Bacterial Infections in COVID-19 Patients; Antimicrobial Susceptibility and Association with Serological Markers</b> <i>Raja Kamran Afzal, Saad Ali, Farooq Ahmad, Saira Salim, Waqas Hanif, Muhammad Qamar Saeed</i>	139
<b>Speech and Language Impairment after Childhood Arterial Ischemic Stroke</b> <i>Muhammad Akhtar, Muhammad Athar Khalily, Natasha Ghani, Tipu Sultan</i>	143
<b>Treatment-Resistant Hypertension in Individuals of High BMI</b> <i>Mohammad Zeeshan Akram, Khurram Mansoor, Khurram Rasheed, Ghulam Rasool Maken, Muhammad Faheem, Mamoona Mujahid</i>	147
<b>Nasal High-Frequency Oscillatory Ventilation versus Nasal Intermittent Positive Pressure Ventilation in Pre-Terms with Respiratory Distress Syndrome During Early Neonatal Period: A Randomized Controlled Trial</b> <i>Rida Ali, Shahid Mahmud</i>	151
<b>Comparing the effect of Hypoalbuminemia on Sodium measured by Indirect versus Direct Ion Selective Electrode Method</b> <i>Athar Iqbal Paracha, Zujaja Hina Haroon, Muhammad Aamir, Saima Bashir, Afshan Bibi, Haroon Javaid</i>	155
<b>Assessment of Children with Cerebral Palsy Using Common Brief Core Set of International Classification of Functioning, Disability and Health for Children and Youth (ICF-CY)</b> <i>Ammara Hina, Shazia Maqbool, Hina Azhar, Saba Fatima, Aisha Farid, Ehsan Ullah</i>	159
<b>Sleep Quality and Its Possible Predictors Among University Students of Islamabad, Pakistan</b> <i>Mamoona Zahoor, Saman Waqar, Ayesha Baber Kawish, Ume-Sughra, Syed Fawad Mashhadi, Asima Shahzad</i>	164
<b>The Spectrum of Oesophagal Varices, Portal Hypertensive Gastropathy and Child Pugh's Class in Cirrhotic Patients at Tertiary Care Hospital</b> <i>Muhammad Asif Farooq, Muhammad Awais Yasin, Bushra Parveen, Hala Mansoor, Abdul Latif Khattak, Muhammad Siddique</i>	169
<b>Clinicopathological Spectrum of COVID-19</b> <i>Syed Salman Ali, Javeria Shaukat, Muhammad Zubair, Muhammad Hassan Khan, Muhammad Hashaam</i>	173
<b>The Effectiveness of the 'Extended Sick Neonatal Score in Predicting Mortality in a Resource- Constrained Neonatal Care Unit</b> <i>Romisa Rehman, Asma Razzaq, Asad Maqbool Ahmad, Zarlish Rehman, Roshaan Rehman, Saad Ateeq</i>	176
<b>Comparison of Efficacy of Resin-Modified Glass Ionomer and Composite Restoration in Inhibition of Secondary Caries in Primary Molars</b>	180

<i>Maira Khalid, Tehreem Saghir, Ajmal Yousaf, Syed Muzammil Hussain, Zobia Daud, Umair Sultan</i>	
<b>The Efficacy of Infrared Light Therapy in the Treatment of Onychomycosis</b> <i>Rabia A Ghafoor Sadal, Aamir Habib</i>	184
<b>Role of Serum Vitamin B12 and Glutathione Peroxidase during Third Trimester of Pregnancy with Gestational Diabetes Mellitus</b> <i>Asia Kanwal, Adeela Shahid, Aisha Bashir, Naveed Aslam Lashari</i>	187
<b>Biopsy Proven Renal Morphology Cognizance into its Four-Year Evolving Pattern; A Pakistani Perspective</b> <i>Zain ul Abedin, Zahid Nabi, Nosheen Anjum, Fasi Hashmi, Khurram Mansoor, Muhammad Ishaque</i>	191
<b>Comparison of Various Clinical Risk Assessment Tools in Predicting Major Adverse Cardiac Events in Patients Presenting in Emergency Department with Undifferentiated Cardiac Chest Pain</b> <i>Karim Bakhsh, Tamkeen Pervez, Muhammad Nadeem Ashraf, Muhammad Hamza Rizwan, Nayab Chaudhary, Muhammad Saddam Hussain</i>	195
<b>Frequency of Hyperuricemia in Type-2 Diabetes Mellitus and its Relation with Diabetic Nephropathy</b> <i>Gulzar Ali, Muhammad Asif Kamran, Muhammad Amir, Babar Muntaz, Imran Khan, Muhammad Tariq</i>	199
<b>Silent Secretory Otitis Media in Cases with Adenoid Hypertrophy</b> <i>Ghulam Fareed, Muhammad Tahir, Asmara Bashir, Sheraz Bashir, Raheel Anjum, Habib Ur Rehman</i>	204
<b>Evaluating Unenhanced Multi-Detector Computed Tomography of Kidneys, Ureters and Bladder (CT KUB) as the Initial Imaging Service in Suspected Acute Renal Colic Patients</b> <i>Nida Saleem, Salahuddin Balooch, Adil Qayyum, Tayyaba Afzal, Najam Us Saqib Niazi, Ruqqayia Adil</i>	207
<b>Management of Primary Pterygium with Intralesional Bevacizumab (AVASTIN) Injection</b> <i>Irum Mahmood, Muhammad Shahid, Muhammad Awais, Muhammad Manzoor, Abdul Rauf, Zaheer Uddin Babar</i>	211
<b>Clinical Utility of N-Terminal Prohormone B-Type Natriuretic Peptide Levels in Patients of Type 2 Diabetes Mellitus with Heart Failure</b> <i>Sana Iqbal Janjua, Muhammad Younas, Zujaja Hina Haroon, Muhammad Anwar, Muhammad Usman Munir, Farhat Yasmeen</i>	215
<b>Diagnostic Accuracy of Barium Enema for the Diagnosis of Hirsch-sprung Disease in Children</b> <i>Zahid Anwar, Naveed Ahmed, Shafiqat Rehman, Tamoor Afzal, Javed-Ur-Rehman, Iftikhar Ahmed</i>	219
<b>Predictors of Outcome of Bronchiolitis in Children Using Children Hospital of Wisconsin Respiratory Score: An Experience of a Tertiary Care Hospital</b> <i>Saher Gul Ahdi, Tariq Nadeem, Huma Farrukh, Furqan Saleem, Rafia Gul, Hina Khalid</i>	223
<b>Comparison of Limb Salvage Rate in Early Versus Delayed Presented Patients of Acute Lower Limb Ischemia Undergoing Revascularization</b> <i>Sana Sharafat Ali, Syed Tanseer Asghar</i>	227
<b>Diagnostic Accuracy and Agreement between Magnetic Resonance Imaging and Ultrasound Finding for the Diagnosis of Rotator Cuff Tears</b> <i>Shabana, Muhammed Akhtar, Asma Noor, Muhammed Ashfaq, Tayyaba Ashfaq, Zahid Raza Shah</i>	231
<b>Correlation Between Lund-Mackay Ct Scores Before and after Surgery for Nasal Polyposis, An Evaluation of Medical and Surgical Treatment in Nasal Polyposis</b> <i>Iqra Safoor, Abdul Hakim, Muhammad Ali, Nawal Khurshid, Shahid Iqbal, Sohail Babar Niazi</i>	235
<b>Anatomical Variation of Olfactory Fossa on Computed Tomography of Paranasal Sinuses</b> <i>Madeeha Shahid, Rashid Mahmood, Hidayat Ullah, Muhammad Atif Sheraz, Muhammad Imran Ibrahim, Farzana Zulfiqar Ali</i>	239
<b>Correlation of Uric Acid Levels with Feto-Maternal Outcomes in Hypertensive Disorders in Pregnancy</b> <i>Uzma Saleem, Maham Noman, Umairah Yaquob, Amina Sohail, Khushbakht Bashir, Abdullah Safdar Kaiyani</i>	243
<b>Serological and Molecular Characterization of Blood Group A2 in Pakistan</b> <i>Iram Habib, Nuzhat Salamat, Nasir ud Din, Muhammad Sajid Yazdani, Saleem Ahmed Khan, Muhammad Abdul Naeem</i>	248
<b>Raised Serum Uric Acid as a Predictor of Perinatal Outcome in Parturient with Pregnancy Induced Hypertension</b> <i>Sadia Zaineab, Amina Akbar, Saira Mahboob</i>	252
<b>Effectiveness of 17-Alpha-Hydroxyprogesterone in the Prevention of Preterm Labour</b> <i>Uzma Urooj, Sumaira Khan, Shakeela Parveen, Sajid Ali Shah</i>	256
<b>A Study of the Relationship of Learning Styles of Undergraduate Medical Students to Academic Achievements</b> <i>Amjad Mahmood Khan</i>	260
<b>Celiac Disease and its Association with Socio-Demographic Parameters in Patients with Diabetes Mellitus Type-1</b> <i>Paras Imran, Saeeda Fouzia Qasim, Saba Latif, Mohammad Yahya, Saima Athar Shaikh, Shazia Masood</i>	265
<b>Uterine Artery Doppler Pulsatility Index in the First Trimester as a Forecaster of Pre-Eclampsia in Primary Gravida</b> <i>Pareesae Artemis Humayun, Sadaf Aziz, Ayesha Arif, Afeera Afsheen, Nadia Arif, Sadiqa Batool</i>	269
<b>The Impact and Implications of ISO Certification on Patient Satisfaction-A Single-Centre Study</b> <i>Muhammad Qaiser Alam Khan, Nasira Shaheen, Mahmood Sultan, Romesa Qaiser Khan</i>	273
<b>Role of Paracetamol and oral Ibuprofen as Antipyretics in Children with Fever</b> <i>Sohail Shahzad, Umar Nawaz Khan, Nayyar Ahmed, Awais Arshed, Mohammad Ahsan Shahzad, Affrah Qaiser Shaikh</i>	277
<b>Study of the Effect of Treatment of Helicobacter pylori Infection in Rheumatoid Arthritis Patients</b> <i>Umer Ul Haq, Sara Haq, Haq Nawaz, Rida Haq, Farzana Hakim, Qazi Ali Mohay Ud Din</i>	281
<b>Current Causes and Clinical Pattern of Fixed Drug Eruption at a Tertiary Care Hospital</b> <i>Aamir Habib</i>	285
<b>Comparison of Post-Operative Analgesic Efficacy of Caudal Epidural Block versus Penile Block in Children Undergoing Hypospadias</b> <i>Habib Ur Rehman, Hina Iftikhar, Ghazanfar Ali, Muhammad Sohail Aslam, Sana Rehman Joya, Shaghuftha Parveen</i>	290
<b>Efficacy of Steroid Therapy in Management of Sydenham's Chorea in Children: A Comparative Prospective Study</b> <i>Mohsin Ali, Javeria Raza Aloi, Zia-ur-Rehman, Tipu Sultan</i>	294

<b>Adverse Childhood Experiences in Patients Admitted with Depression at A Tertiary Care Hospital in Pakistan</b> <i>Sahar Riaz, Nadia Azad, Sawera Mansoor, Nadeem Abbas, Khalid Hayat, Usama Bin Zubair</i>	298
<b>Janitorial Services of Tertiary Care Hospitals, A Critical Analysis</b> <i>Nafeesa Khan, Naila Azam, Asima Shahzad, Mommama Ali Rathore, Syed Fawad Mashhadi, Naseer Alam Tariq</i>	302
<b>Role of Low-Dose Theophylline on Functional Improvement in Patients of Moderately Severe Chronic Obstructive Pulmonary Disease</b> <i>Muhammad Umer Farooq, Iqra Saeed, Saif Ul Hassan, Sajid Zaman, Maham Shah, Sajid Hussain</i>	306
<b>Development and Validation of Domestic Violence Scale for Intimate Partners</b> <i>Tahira Parveen, Zaqia Bano</i>	310
<b>CASE REPORT</b>	
<b>Gossy-Pibomas; Concealed Causes of an Acute Abdomen</b> <i>Tayyeba Jaffri, Muhammad Ben Mustafa, Hassam Abdullah, Syed Shahzad Hussain, Syed Basit Riaz, Kanwal Hyder</i>	314
<b>LETTER TO EDITOR</b>	
<b>A Novel Oral Antiviral Drug for COVID-19. Can It Make a Difference?</b> <i>Moizza Tahir</i>	317