



CONTENTS

EDITORIAL

AI in Medical Research - ChatGPT and Beyond <i>Ahsin Manzoor Bhatti</i>	953
---	-----

REVIEW ARTICLE

Transforming Healthcare with Artificial Intelligence in Pakistan: A Comprehensive Overview <i>Laraib Umer, Muhammad Hashim Khan, Yasar Ayaz</i>	955
---	-----

ORIGINAL ARTICLES

Outcomes of Allogeneic Stem Cell Transplant in Chronic Myeloid Leukaemia -A Single-Centre Experience from Pakistan <i>Jehanzeb Rehman, Fayyaz Hussain, Qamar un Nisa Chaudhry, Syed Kamran Mehmood, Mehreen Ali Khan, Nighat Shahbaz</i>	964
--	-----

Changing Trends of Antimicrobial Resistance in Clinical Isolates Yielded from Lower Respiratory Tract Specimens of ICU Patients-A Two-Year Study <i>Mariam Sarwar, Irfan Ali Mirza, Anam Imtiaz, Wajid Hussain, Umar Khurshid, Ammad Hasan Chaudhry</i>	968
---	-----

Reduction of Early Postoperative Pain: Comparison between Port Site and Intra-Peritoneal Infiltration of Local Anaesthetic Agent Among the Patients Undergoing Elective Cholecystectomy <i>Muhammad Ahsan Ayaz, Muhammad Qasim Butt, Khalid Mehmood, Muhammad Mohsin Ayaz, Maryam Abbas, Zainab Qasim Butt</i>	973
--	-----

Comparison Study of 18F-FDG Production Utilizing FDG Single Citrate and FDG Duo Citrate Cassette on FASTlab2 Synthesizer at AFIRI, Rawalpindi <i>Mudassar Ahmad, Rizwan Bilal, Atiq Ur Rehman Slehria, Ali Jamal, Syed Ali Mehdi, Nisar Ahmed</i>	977
---	-----

Audit of Diagnostic Laparoscopy in Tertiary Care Hospital <i>Shehzad Ahmed Abbasi, Ahmad Ali Khan, Anas Bin Saif, Farhan Ahmed Majeed, Hassan Shabbir</i>	982
---	-----

The Pattern of COVID-19-related Pneumonitis on High-Resolution Computed Tomography Chest in Post-Vaccination Patients <i>Hidayat Ullah, Humaira Saleem, Rashid Mahmood, Tayyaba Afzal, Rabia Saleem, Asad Mahmood</i>	985
---	-----

Folate Deficiency: Is it Related to the Development of Depression <i>Asif Azeem Bajwa, Sohail Ali, Sikandar Ali Khan, Hassan Raza, Fayyaz Hussain, Tashfeen Bin Nazir</i>	989
---	-----

Frequency of Non-Alcoholic Fatty Liver Disease in Adults with Diabetes Mellitus <i>Raheel Akhtar Yousafzai, Rafi Ud Din, Taimoor Ashraf Khan, Ayesha Hamid, Abdul Moeed Tariq, Muhammad Ashraf</i>	993
--	-----

Aetiology, Clinical Presentation and Outcome of Patients Presenting with Acute Flaccid Paralysis in a Tertiary Care Hospital <i>Qurat ul Ain Khalid, Khairunnisa Mukhtiar, Fozia Baloch, Nazia Bibi, Shahnaz Ibrahim, Prem Chand</i>	996
--	-----

Urdu Translation and Cross-Cultural Validation of Mood Disorder Questionnaire on Patient Engaging in Self-Harm <i>Naila Yaqoob, Sadaf Ahsan</i>	1000
---	------

Comparison of Therapeutic Effects in terms of Menstrual Irregularities between Statins and Metformin in Unmarried Patients with Polycystic Ovarian Syndrome <i>Sobia Nawaz, Naila Mushtaq, Aisha Waheed, Samia Nawaz, Sadaf Ajaib, Suniya Arshed Butt</i>	1004
---	------

Surgical Excision: An Effective Modality for Intradermal Melanocytic Nevus <i>Moizza Tahir, Najia Ahmed, Sidiqua Javaid, Sadia Malik, Atiya Rahman, Shahid Iqbal</i>	1008
--	------

Manipulation Under Anesthesia with Intra-Articular Steroid Injection versus Manipulation under Anesthesia in Idiopathic Adhesive Capsulitis of the Shoulder in terms of Functional Outcome <i>Naseem Munshi, Muhammad Khalid Arain, Sobia Aziz, Khadijah Abid</i>	1012
---	------

Role of Subcutaneous Bilirubinometer in the Evaluation of Bilirubin Level in Neonatal Jaundice <i>Almas Maqsood, Syed Taqi Hasan Zaidi, Ameena Saba, Wasif Shujaat, Benish Fatima, Bushra Rao</i>	1016
---	------

Editorial Committee

Chief Editor

Prof Muhammad Suhail Amin HI(M)

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 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)

Administration

Chairman

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

Administration Members

Prof Bilal Umair
Prof Salman Saleem
Dr Mehmood Sultan
Dr Ijaz Ahmed
Dr Muhammad Fayyaz Malik
Dr Qamar Hussain

Advisory Board

Prof Atiq Ur Rehman Slehria
Prof Hafeez Ud Din
Prof Muhammad Rafiq Zafar
Prof Muhammad Nadeem
Prof Nadeem Ahmed Rana
Prof Nadia Iftikhar
Prof Rao Ali Shan Khan
Prof Safdar Hussain
Prof Saqib Naeem
Prof Shazia Nisar
Prof Shoaib Ahmed
Prof Syed Khurram Shahzad
Prof Tahir Masood Ahmad
Dr Sohail Ali
Dr Taqdees Fatima
Dr Viqar Ashraf

Effect of Dexamethasone on Post-Operative Delirium in adults following General Anaesthesia <i>Kazi Iftikhar Qureshi, Ali Aftab, Muhammad Asim Ghauri, Reema Yawar, Hatim Saifee, Tariq Mahmood</i>	1020
Diagnostic Accuracy of Ultrasound to Differentiate Neoplastic and Non-Neoplastic causes of Cervical Lymphadenopathy taking Histopathology as the Gold Standard <i>Aqeel Shafi, Shahla Zameer, Muhammad Nauman Malik, Rabia Liaqat, Bushra Liaqat, Asiya Liaqat</i>	1024
Nutritional Status and its Association with Breastfeeding and Complementary Feeding Practices Among Children visiting Tertiary Care Health Centre <i>Faryal Ayub, Misbah Anjum, Safia Bibi, Aisha Khan, Shazia Soomro, Ayesha Sardar</i>	1028
Pregabalin as an Adjunct Analgesic in Multimodal Pain Management in Patients Presenting with Acute Peri-Anal Fissure <i>Vishal Farid Raza, Qaiser Mahmood, Iqra Waris, Muhammad Shahwaiz Malik, Khalid Irshad, Khalid Javeed Khan</i>	1033
Etiological Spectrum and Outcome of Acute Kidney Injury in Children: A Tertiary Care Experience <i>Muhammad Atif Anjum, Naureen Akhtar, Shahida Parveen, Adeela Chaudry, Noor ul Ain, Muhammad Sahir Saud</i>	1037
Early Pregnancy Fetal Cardiac Activity Detection by Superb Micro-Vascular Imaging (cSMI) Comparing with Color Doppler Ultrasound <i>Riffat Masud, Faisal Khurshid, Ghazal Jameel, Mussarat Ashraf</i>	1041
BRCA Associated Protein-1 Immuno-Histochemical Stain in Diagnosis of Malignant Mesothelioma <i>Saud Sarwar, Sajid Mushtaq, Maryam Hameed, Usman Hassan, Hina Maqbool</i>	1045
Efficacy of Glargine Insulin Compared with Neutral Protamine Hagedorn Insulin in Patients with Type 2 Diabetes not Controlled with Oral Hypoglycemics: A Cohort Study <i>Ebtihal Bilal, Shamaila Burney, Muhammad Usman Sajid, Nabila Shaukat, Muhammad Farooq</i>	1050
Comparison of Survival Analysis of COVID-19 Patients with Known Diabetes <i>Saira Bashir, Sarwar Malik, Gohar Khan, Fasih ul Islam</i>	1054
Efficacy and Toxicity of Hypofractionated Palliative Radiotherapy for Breast Cancer Patients with Skin Invasion <i>Talha Maqsood, Adnan Zeb, Zeeshan Ahmed Alvi, Sameed Hussain, Muhammad Imran Wajid, Omer Riaz</i>	1060
Clinical Manifestations of COVID-19 Infection in Persons with Disabilities (PWDs) at Inpatient Rehabilitation Center –A Hospital-Based Study <i>Muhammad Tawab Khalil, Uzma Akhlaque, Khalil Ahmad, Rehana Yasmin, Umer Younas, Imran Irshad</i>	1063
Comparison of Efficacy of Warm Compresses Versus Loteprednol-Tobramycin Combination Therapy in the Management of Posterior Blepharitis <i>Maryam Nisar, Abid Hassan Naqvi, Nisar Ahmed Khan, Muhammad Shahid Tarar, Nazia Iqbal</i>	1067
Adverse Event Profile in Advance Hepatocellular Carcinoma treated with Sorafenib Presenting to CMH Rawalpindi <i>Masaba Masood, Muhammad Nadeem, Aamira Ali, Tahir Manzoor Lone, Amjad Khan, Assam Ahmad</i>	1071
Bone Mineral Density in Symptomatic Patients with Comparison to Asymptomatic Patients <i>Muhammad Akhtar, Sidra Zaheer</i>	1075
Dexmedetomidine Versus Midazolam: Does Choice of Sedatives Effect the Duration of Mechanical Ventilation <i>Usman Ahmed, Aftab Hussain, Khursheed Hassan, Zaheer Ud Din, Ahsan Javed, Faisal Wahid</i>	1079
Comparison of I-gel Supraglottic Airway with ProSeal-Laryngeal Mask Airway in Anaesthetized paralyzed patients for Insertion Time and Ease of Insertion <i>Usman Ahmed, Amjad Ali, Saeed Bin Ayaz, Sajjad Qureshi, Hina Iftikhar, Habib Ur Rehman</i>	1083

Comparison between Polypropylene Suture and Skin Staples for Securing Mesh in Lichtenstein Inguinal Hernioplasty <i>Usman Shah Bukhari, Aamir Ali, Sohail Ilyas, Hafiz Khalid Pervaiz, Farooq Shahid, Kamran Durrani</i>	1087
Portal Venous Pulsatility Index: A Novel Biomarker for Diagnosis of High-Risk Non-Alcoholic Fatty Liver Disease <i>Muhammad Nasir Naeem Khan, Aliya Ahmed, Ibtisam Zafar, Fasih Ul Islam Hashmi, Amir Khan, Tayyaba Khalid</i>	1091
Frequency of SARS-CoV-2 Antibodies in PCR-Positive COVID-19 Patients and High-Risk Exposed Subjects at Multan <i>Sana Iqbal, Muhammad Younas, Raja Kamran Afzal, Asma Khan, Farhat Yasmeen, Muskan Younas</i>	1095
Do Hematocrit Levels Differentiate between Complicated and Uncomplicated Dengue Fever? <i>Muhammad Furrukh, Saeed Bin Ayaz, Fatima Ayaz, Fawad Rahman, Saima Ambreen, Fazal Ur Rahman</i>	1100
Impact of Comorbid Conditions on Severity of Dengue Fever: A Comparative Study <i>Amna Ashraf, Sana Zafar, Faisal Mehmood, Karamat Hussain Shah Bukhari, Aamir Habib, Muhammad Ammar Husnain</i>	1104
Association of Smoking with Dental Caries and Periodontal Health Status Among Incarcerated Women in Karachi <i>Hina Shah, Imran Khan, Sibghat Ullah Khan, Jai Kershan, Sanaa Ahmed, Sumbul Ayaz</i>	1108
Spectrum of Intestinal Parasitic Infections in Paediatric Population in A Tertiary Care Hospital <i>Iqra Sadiq, Irfan Ali Mirza, Umer Khurshid, Rafia Irfan, Fatima Sana, Mahtab Akhtar</i>	1112
Absolute Lymphocyte Count; the most Sensitive Indicator of the Risk of Progression and Complications in COVID-19 <i>Kamran Ali, Khurram Haq Nawaz, Wahaj Ul Hassan, Raja Muhammad Waqar</i>	1116
Comparison of Post-Operative Analgesia with Bupivacaine versus Ropivacaine for Caudal Block in Paediatric Patients <i>Khurshed Hassan Leghari, Altaf Ahmed, Usman Ahmed, Ahsan Javed Ranjha, Zaheer Ud Din Tiwana, Aftab Hussain</i>	1120
Impact of Gluten on Irritable Bowel Syndrome <i>Sana Uruij, Muhammad Zafar Ali, Natasha Sarwar, Amina Hussain, Muhammad Waseem</i>	1124
Comparison of Hemodynamic Stability of Patients Undergoing Appendectomy under Spinal Anesthesia versus Blend of Ketamine and Midazolam with Spinal Anesthesia <i>Kaukab Majeed, Usman Eijaz Malik, Amran Hafiz, Fayyaz Hussain, Humayun Munir, Najm us Saqib</i>	1128
Early Clinical Outcome of Mini-Craniotomy in Mixed Density Subdural Hematoma <i>Amjad Saeed, Shahzad Ahmed Qasmi, Hanif Abbasi, Awais Ali Khan, Ali Ahmed, Babar Shamim</i>	1133
Uropathogens and their Culture Sensitivity Pattern in Children with Urinary Tract Infection <i>Muhammad Musarrat Jamal, Asad Arif, Amna Sarfaraz, Jaoveria Jamal, Sohaib Mahmood, Maniha Musarrat</i>	1137
17p Deletion in Patients with De Novo Acute Myeloid Leukemia and their Clinico-Haematologic Features <i>Saniya Jalil, Helen Mary Robert, Hamid Saeed Malik, Asad Mehmood Abbasi, Sarah Fatimah, Hina Niaz</i>	1141
Efficacy of Perineural versus Systemic Dexmedetomidine as an Adjuvant to Bupivacaine for Surgical Anesthesia in Axillary Block <i>Amran Hafiz, Kaukab Majeed, Najm Us Saqib, Usman Eijaz Malik, Fayyaz Hussain, Amna Gulraz</i>	1145
Analysis of C- Shaped Root Canal Morphology in Mandibular Second Molar using Cone Beam Computed Tomography <i>Marina Shah, Shahbaz Ahmed Jat, Fazal ur Rehman Qazi, Hira Akhtar, Prena Moorpani, Munazza Aziz</i>	1149
Relationship of Peripheral Vestibular Deficits with Metabolic Syndromes-An Experience at CMH Quetta <i>Zeeshan Ayub, Azeema Ahmed, Irfan Saeed, Saima Bashir, Usman Afzal Malik, Hamid Iqbal</i>	1153
Translation and Validation of Multi-Dimensional Family Functioning Scale: A Confirmatory Factor Analysis <i>Tahira Jabeen, Aneela Maqsood</i>	1157
The Role of Citicoline in Neuroprotection and Neuro Repair in Acute Stroke <i>Nabila Shaukat, Shazia Nisar, Osman Ali Jan, Usman Sajid, Amjad Mahmood, Huma Zahid</i>	1161
Acute Kidney Injury in Neonates who Develop Asphyxia at the Time of Delivery <i>Saba Zamir, Muhammad Tariq Nadeem, Lutfullah Goheer</i>	1165
Diagnostic Accuracy of Magnetic Resonance Cholangio-Pancreatography (MRCP) in Evaluating Obstructive Jaundice, Keeping Endoscopic Retrograde Cholangio-Pancreatography(ERCP) as Gold Standard <i>Irum Qaisar, Faran Nasrullah, Intisar Ul Haq, Rabia Younas, Yasar Shakeel, Muhammad Omer Aamir</i>	1169
Frequency of Aspergilloma in Clinically Diagnosed and Undiagnosed Patients of Cavitatory Pulmonary Tuberculosis <i>Amina Firdous, Afshan Fayyaz, Mobeen Shafique, Muhammad Usman Khan, Muhammad Omer Aamir, Aown Raza Shah Bukhari, Hafsa Aquil, Hina Nasir</i>	1173
Domestic Violence in Married Women of Rawalpindi/Islamabad, Pakistan; A Mixed Method Study <i>Nadia Tariq, Sadia Zafar, Shehla Farhin, Farah Rashid, Tamkeen Nishat Jaffry</i>	1177
Quality of Life of People in Quarantine and Isolation Centers <i>Sidra Iftikhar, Asif Azeem Bajwa, Muzaffar Ahmed, Neelam Sarwar, Asif Hanif, Omer Ismail Khalid</i>	1182
Histological Outcome of Needle Core Biopsies in Breast Lesions and Advantage of Using Reporting Categories of Royal College of Pathologists, London (UK) <i>Tariq Sarfraz, Saba Aneeqa, Humaira Tariq, Yasmin Wahid, Rehana Ramzan, Tania Khattak, Salma Afzal, Rubina Riaz</i>	1186
Frequency of Hysterectomy in Morbidly Adherent Placenta in Post Cesarean Section Patients: A Cross Sectional Study <i>Asma Batool, Nabila Amin, Tehreem Yazdani</i>	1190
Comparative Analysis of Human Cystatin C Levels in Migraine without Aura and Healthy Controls <i>Mariyam Khan, Maham Tahir, Sunia Hameed, Muhammad Umar Ali Khan, Mehwish Qamar, Mamoona Shafiq</i>	1195

Predictors of Failed Trial of Labour After Previous one Caesarean Section <i>Anam Mahreen, Viqar Ashraf, Rabia Sajjad, Naheed Hayat</i>	1200
Early Asymptomatic Decline in Left Ventricular Ejection Fraction in Adult Cancer Patients Receiving Trastuzumab <i>Mansoor Zeeshan, Faisal Mehmood, Zareen Gul, Maryam Khan, Amna Ashraf, Muhammad Umair Shafique</i>	1204
Prognostic Factor of Outcome in Adults with Altered Mental Status Presenting in Emergency Department <i>Syeda Nida Batool, Syeda Fatima Zareen, Syeda Kiran Batool, Fahim Liaqat, Zeeshan Munir, Syed Waqar Abbas</i>	1208
Self-Directed Learning versus Traditional Learning in Clinical Setting: A Study at Armed Forces Institute of Ophthalmology <i>Omar Zafar</i>	1212
CASE REPORT	
Acute Kidney Injury in Plasmodium Falciparum Malaria; Field Hospital Experience <i>Abu Sufyan, Hassan Jaffar, Sijeel Ahmed, Asad Sufyan</i>	1216