



CONTENTS

Editorial Advisory Board

Chairman

Lt Gen Nigar Johar, HI (M) (Surg Gen/DGMS (IS))

Members

Prof Bilal Umair
Prof Salman Saleem
Dr Mehmood Sultan
Dr Ijaz Ahmed
Dr Zaheer Akhtar
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 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 Mohammad Bagher Rokni (Tehran, Iran)
Dr Sajid Hassan Butt (NHS UK)
Dr Faiza S Khan (Public Health UK)
Prof Adeel Ajwad Butt (USA)
Prof Nimalka Ariyaratne (Sri Lanka)
Dr Neil Carr (NHS UK)
Prof Moeed Iqbal Qureshi (KSA)

National (Extra-Organizational)

Prof Khalid Masood Gondal, TI (Lahore)
Prof Assad Hafeez (Islamabad)
Dr Amina Ahmad (Lahore)
Prof Rubina Naqvi (Karachi)
Prof Shoaib Shafi (Islamabad)
Prof Waheed-uz-Zaman Tariq (Lahore)

National (Organizational)

Prof Atiq Ur Rehman Slehria
Prof Hafeez-Ud-Din
Prof Muhammad Asad Qureshi
Prof Muhammad Nadeem
Prof Muhammad Rafiq Zafar
Prof Nadeem Ahmed Rana
Prof Naveed Malik
Prof Rao Ali Shan Khan
Prof Safdar Hussain
Prof Saqib Naem
Prof Shazia Nisar
Prof Shehla Baqai
Prof Shoaib Ahmed
Prof Syed Khurram Shahzad
Dr Farrah Naz Naib
Dr Sohail Ali

EDITORIAL

Beyond BCG

Javaid Usman

1151

ORIGINAL ARTICLE

Trends of Different Gynaecological Cancers at Combined Military Hospital Lahore; An Overview of Last Five Years

Shehla M Baqai, Viqar Ashraf, Rabia Sajjad, Aqsa Qayyum

1152

Extensively Drug-Resistant Typhoid Outbreak in Pakistan, Experience at a Tertiary Care Hospital in Lahore; A Tip of An Iceberg

Anam Imtiaz, Irfan Ali Mirza, Qanita Fahim, Nargis Sabir, Ayesha Bashir, Salman Saleem

1156

Hemodialysis Access Outcome in Elderly Population and its Association with Mortality

Anum Arif, Ahsin Manzoor Bhatti, Aima Sohail, Usman Jamil, Sabih Nofil, Bismah Riaz

1159

Celiac Disease Investigation with Marsh Classification in Paediatric Population

Muzammal Ghafoor, Farooq Ikram, Saeed Zaman, Junaid Bashir, Samina Tabassum, Muhammad Waleed Babar

1164

Rubber Band Ligation (RBL) vs Standard Hemorrhoidectomy (SH) for Treatment of Haemorrhoids

Fahim Liaqat, Muhammad Qasim Butt, Usman Ghani, Mansoor Tariq, Muhammad Shoaib Khan, Abeer Asif

1168

The Spectrum of Toxicological Analysis in a Tertiary Care Setting-Pakistan

Safia Fatima, Ayesha Hafeez, Muhammad Aamir

1172

Endoscopic Fascia-Cartilage Composite Grafting in Chronic Suppurative Otitis Media

Zeeshan Ayub, Amir Ali Khan, Atif Rafique, Irfan Saeed, Junaid Alam

1177

Clinico-Immunological Profile of Systemic Lupus Erythematosus Patients in Pakistan and Their Correlation

Zafar Ayub Khan, Samina Mushtaq, Saba Samreen, Babur Salim, Syed Nazir Ahmed, Pir Muhammad Zahid, Haris Gul

1181

Frequency of Phantom Limb Pain in Lower Limb Amputees

Muhammad Fahim, Khalil Ahmed, Amjad Nadeem, Hayyan Bin Khalil

1186

Burnout Among Basic Sciences Faculty; A Mixed Method Research

Zafar Ali Choudary, Sumera Badar Ehsan, Ayesha Ayub, Hafiz Umer Farooq, Muhammad Munaim Tahir

1189

Sars-Cov-2 Specific Antibody Detection in Health Care Workers in Tertiary Care Hospital

Muhammad Anwar, Mirza Waseem Javed, Nadia Parvez, Majid Latif, Muhammad Yasir Rafiq

1194

Pneumothorax and Intrapulmonary Hemorrhage in CT-Guided Transthoracic Biopsy

Ammara Iftikhar, Saerah Iffat Zafar, Atiq Ur Rehman Slehria, Aamir Aslam Awan, Raza Rahim, Atif Sheraz

1197

Chlamydia Trachomatis-A Cause of Infertility at Tertiary Care Hospital, Pakistan

Sana Yousuf, Aamir Ikram, Sadia Ikram, Saman Nadeem, Syed Saddam Hussain, Syed Salman Ali

1202

Determine the Effect of Tramadol Injection as Adjuvant Anesthetic and Analgesia Following Surgical Removal of Mandibular Third Molar

Kaleem Ullah Khan, Adnan Babar, Syed Yasir, Wajid Meraj

1206

Effect of Posterior Subtenon Triamcinolone Acetonide in Refractory Diabetic Macular Edema

Muhammad Kashif Habib, Rubab Shafiqat, Zeeshan Khan Oozeer Khan, Anwar Ahmed Gul, Nighat Jabeen, Muhammad Usman Sadiq

1211

Mean Platelet Volume in Neonatal Sepsis: Evaluation of 140 Suspected Cases of Neonatal Sepsis

Ammara Ayub, Najmi Usman, Ayesha Batool, Usman Shakil, Shoaib Ahmed, Muhammad Faisal Shafiq

1215

Frequency of Hepatitis C Virus and HIV Coinfection among Intravenous Drug Abusers; Experience from A Single Rehabilitation Center

Khawar Saeed, Asadullah Khan, Afshan Khanam, Naveed Aslam Lashari, Hajra Khan, Ahsan Khan

1219

Post-Operative Infection Rate Between Single Dose Versus Multiple Dose Antibiotic Therapy in Patients Undergoing Laparoscopic Cholecystectomy

Rehan Haider, Mannan Masud, Mohammad Rashid Hasnain, Muhammad Tariq Khan, Adeel Wyne, Ayesha Ehsan, Zahra Kazmi, Syed Asim Raza

1224

Comparison of Outcomes in Primary Extensor Tendon Repair of Hand Treated in a Tertiary Care Hospital

Roqayyah Munawver Khurshed, Faisal Akhlaq Ali Khan, Hyder Ali, Suneel Kumar, Zaara Zahid, Muhammad Kamran Ullah Ansari

1228

Diagnostic Accuracy of Non-Invasive Hepatic Ultrasound Score for Non-Alcoholic Fatty Liver Disease (NAFLD) Keeping Computed Tomography (CT) as a Gold Standard

Sidra Waheed, Atiq Ur Rehman Slehria, Sadia Tahir, Dilshad Ali, Uzma Nisar, Waseem Raja

1232

Diagnostic Accuracy of Prostatic Specific Antigen (PSA) Density in Different Prostatic Disorders

Qamar Bashir, Zujaja Hina Haroon, Naveed Asif, Azka Haroon, Muhammad Asif, Syed Raza Jaffar

1236

A Study on the Clinical Profile, Blood Profile and Culture Sensitivity Pattern of Salmonella Typhi in Paediatric Patients

Hakeem Ullah, Asma Razzaq, Asad Maqbool Ahmad, Romisa Rehman, Saad Ateeq, Atif Aziz

1241

The Biochemical Pattern of Liver Function Tests in Adult Patients of Diabetes and the Association with Hypoglycemic Medications <i>Ayesha Nageen</i>	1245
Spectrum of Disorders Leading to Sudden Cardiac Death <i>Sayed Tanoer Abbas Gilani, Dilshad Ahmed Khan, Ghazala Iftikhar, Kumail Abbas Khan, Amer Rauf, Abdul Hameed Siddiqui</i>	1249
Molecular Detection of Chlamydia Trachomatis in Patients with Pelvic Inflammatory Disease Visiting a Tertiary Care Hospital in Pakistan <i>Afnan Naeem, Hafsa Waseem, Sakhawat Ali, Javaid Usman, Mehreen Gilani, Amna Javed</i>	1253
Relationship of Superstitious Beliefs and Self Efficacy with the Role of Education and Socio-Economic Status; A study at Garrison University Lahore Pakistan <i>Hifza Sehar, Noshaba Razaq, Shamsa Kanwal, Muhammad Tanoer Ashraf, Shahana Mumtaz, Muhammad Tehzeeb</i>	1258
Hearing Loss Due to Occupational Exposure: An Analysis of Cases at Lahore <i>Muhammad Khalid Azam Khan, Atique Ahmed, Muhammad Khalid Azam Khan, Sunarays Akhtar, Atif Najam, Saadiya Mushtaq</i>	1262
Assessment of Safety and Efficacy of Anesthesia using Sevoflurane with Supraglottic Airway Device in Pediatric Patients Undergoing MRI <i>Azmat Riaz Tiwana, Amran Hafiz, Amna Gulrez, Kaukab Majeed, Ahmed Adnan, Shahid Maqsood</i>	1266
Thyroid Peroxidase Antibodies and Thyroid Dysfunction in Patients with Chronic Hepatitis C Treated with Conventional Interferon and Ribavirin <i>Amna Ashraf, Faisal Mehmood, Asma Asghar, Syed Karamat Hussain Shah Bukhari, Muhammad Umair Tufail, Muhammad Ali Yousaf</i>	1270
Effect of Melasma on Quality of Life of Patients using Dermatology Life Quality Index <i>Ali Amar, Sumbal Nida, Muhammad Mudassar</i>	1274
Implementation Plan and Solutions to the Challenges Faced by Medical Faculty During COVID-19 Pandemic: Transition to the New Normal <i>Ammara Hameed, Shazia Fakhir, Shakeel Ahmed</i>	1278
Clinicopathological Analysis of Biopsy-Proven Glomerulonephritis in the Pediatric Population of Pakistan: A Study from Tertiary Care Centre <i>Rabia Saleem Safdar, Afsheen Asghar Khan, Muhammad Faisal Mehar, Shazia Riaz, Nusrat Hussain, Kiran Abbas</i>	1283
Maternal Serum Uric Acid as a Marker of Predicting Low Birth Weight at Term Pregnancy: A Study Based in CMH Lahore <i>Sadia Ghaffar, Zubaida Shaheen, Qudsia Nawaz, Shazia Shakeel, Sadia Shafiq, Nazia Tufail</i>	1287
Assessment of Physician Burnout and its Association with Musculoskeletal Disorder <i>Saad Saleem, Taqdees Khaliq, Muhammad Hammas Adil, Fasih Hashmi</i>	1291
Effect of the COVID-19 Pandemic on Antenatal Care <i>Adiba Akhtar Khalil, Nabila Amin, Joodi Kizilwarda Akhtar, Muhammad Ayhan Amir, Suha Amir, Uzma Gul</i>	1298
Comparative Study of Detection of Diabetic Neuropathy by Clinical Assessment and Nerve Conduction Study in Type 2 Diabetes Mellitus Patients <i>Natasha Sarwar, Khalid Mehmood Raja, Sarah Khan, Sana Uruj, Amina Hussain, Maria Tariq</i>	1302
Anaemia in Chronic Kidney Disease <i>Imran Ali, Malik Nadeem Azam Khan, Asif Ali, Muhammad Zahid Hussain, Muhammad Shahid Khan, Syed Nazir Ahmed</i>	1306
The Co-Existence of Anaemia in Chronic Psychiatric Disorders: A Study at Tertiary Care Hospital <i>Zaib un Nisa, Ayesha Nageen, Sidrah Tauheed, Jamal Ara</i>	1310
Frequency of Respiratory Distress Syndrome (RDS) in Preterm Infants Delivered at Pak Emirates Military Hospital, Rawalpindi <i>Junaid Bashir, Zeeshan Ahmed, Muzammal Ghaffoor, Murtaza Hussain, Saeed Zaman, Muhammad Waleed Babar</i>	1314
Seasonal Variation in Psychiatric Disorders Among Patients Admitted at Armed Forces Institute of Mental Health Rawalpindi <i>Nida Saleem, Rashid Qayyum, Syed Muhammad Akram Hamdani, Summaya Saleem, Saleem Ullah, Ammad Hassan</i>	1318
Appraisal of the Effect of Norepinephrine Versus Phenylephrine on Blood Pressure and Heart Rate During Spinal Anaesthesia for a Caesarean Section; A Quasi-Experimental Study <i>Hina Iftikhar, Ali Hassan, Habibur Rehman, Saeed Bin Ayaz, Zulfiqar Ali, Kaukab Majeed</i>	1324
Designing Cast Partial Dentures in Relation to Partial Edentulism <i>Samina Aslam, Imran Khan, Mubashir Sharif, Azhar Ali Bangash, Muhammad Afzal, Mansoor Khan</i>	1329
Effect of Levo-Carnosine on Biomarkers of Oxidative Stress and Hepatotoxicity in Cisplatin-Treated Male Sprague Dawley Rats <i>Sajid Ali, Amina Rasul, Nadia Latif, Shoaib Bin Aleem, Rimsha Zia, Barkatullah Khan</i>	1334
Comparison between Desarda's Inguinal Hernia Repair and Lichtenstein Hernioplasty in terms of Complications, Operative Time and Cost-Effectiveness <i>Amir Ali, Syed Usman Shah Bukhari, Saeed Akhtar Awan, Umair Ahmed, Ali Ahmed, Malik Waseem</i>	1339
Small Dense Low-Density Lipoprotein Cholesterol as a Novel Biomarker of Coronary Heart Disease <i>Iffat Saleem, Muhammad Aamir, Zujaja Hina Haroon, Afshan Yasir, Muhammad Usman Munir, Muhammad Anwar</i>	1343
Comparison of Recurrence of High Trans-Sphincteric Anal Fistula After Vaaft and Tight Setons in Military Hospital Rawalpindi <i>Muhammad Haroon Akbar, Umar Bashir, Hassan Shabbir, Muhammad Ans, Farhan Ahmed Majeed, Shahzad Ahmed Abbasi, Attayaba Khan, Muhammad Ammar Anjad</i>	1347
Diagnostic Accuracy of Ultrasound for Small Bowel Obstruction in Paediatric Population Undergoing Laparotomy Keeping Surgical Findings as the Gold Standard <i>Rabia Liaqat, Ayesha Isani Majeed, Bushra Liaqat, Aqeel Shafi, Ramish Riaz, Samina Akhter</i>	1351
Comparison of Respiratory Complications of COVID-19 among Patients with Rheumatological Conditions Taking BDMARDs and csDMARDs <i>Ahmed Ammar Cheema, Amer Fakhr, Muhammad Shahid Khan, Shanzah Shahbaz, Syed Nazir Ahmed, Muhammad Zahid Hussain</i>	1355
Amelioration of Carboplatin-Induced Changes in Rat Renal Cortical Tubules by Alpha-Tocopherol <i>Mehwish Abaid, Khadija Qamar, Zubia Iftikhar, Sumyia Bashir, Farhan Akhtar, Maria Aslam</i>	1359
Efficacy of Voided Urine Cytology Compared to Cystoscopic Findings in the Detection of Bladder Cancer- A Pakistani Population Perspective <i>Samina Khizar, Zahoor Iqbal Mirza, Hussain Ahmed, Badar Murtaza, Muhammad Yasrab, Khubaib Shahzad</i>	1364
Hla-B27 Allele Connotation Amongst Individuals Conjectured of Spondyloarthritis (SPA) In Pakistan <i>Annam Javed, Amir Fakhar, Nadeem Ashraf, Bilal Ahmed, Khaula Atif, Amna Javed</i>	1369
Coronary Artery Ectasia in Patients with and Without Diabetes: A Study from Northern Pakistan <i>Qaiser Mehmood Saleem, Abdul Mannan Bari, Muhammad Salman Mushtaq, Bashir Ahmed</i>	1375
Perceived Stress, The Sources, Severity and Coping Mechanisms Among Undergraduate Medical Students in a Pakistani Medical School <i>Dania Khawar Rahman, Amina Nadeem, Bushra Riaz</i>	1379

Is Sevelamer Carbonate Better Than Calcium Acetate in Controlling Chroni Kidney Disease-Mineral Bone Disease in Dialysis Patients <i>Taleah Tahir, Khalid Mahmood Raja, Malik Nadeem Azam, Batool Butt, Abdul Wahab Mir, Naveed Ahmed</i>	1383
The Immune Response after Double Dose Hepatitis B Vaccination in Hemodialysis Patients: Influence of Age and Hepatitis C Virus <i>Muhammad Rashid Asghar, Tanzeel Abbasi, Khuram Bashir, Nauman Hasmi, Shumaila Anwar</i>	1388
Comparison of the Impact of Topical Chlorhexidine Versus Methylated Spirion Umbilical Cord Sloughing Time in Neonates <i>Irshad Hussain, Sughra Wahid, Maliha Akhtar Qureshi, Fasih ul Islam Hashmi, Muhammad Fahim</i>	1392
Frequency of Cervical Ribs in Healthy Asymptomatic Adolescents and Adults, Detected on Chest Radiograph for Medical Fitness Examination at CMH Lahore <i>Nisar Ahmed, Muhammad Ali Zul Hasnain, Hassan Riaz, Zimar Arshad, Khadijah Tul Kubra, Khushboo Fatima</i>	1397
Patient Satisfaction with Clinical Laboratory Services in Public Health Sector Hospitals of Azad Kashmir, Pakistan <i>Bilal Khalid, Freeha Ayyub, Midhet Nasim, Ayesha Babar, Saad Alam Khan, Najm us Saqib Khan</i>	1401
Urinary Sodium and Pregnancy Induced Hypertension; A Unsolved Mystery <i>Muhammad Irfan Khattak, Rana Shahid, Samina Naseem Khattak, Jamal Azfar Khan, Asma Naveed, Umbreen Akram</i>	1406
Frequency of Histological Patterns of Renal Allograft Biopsies- One Year of Renal Allograft Experience <i>Farah Ahsan, Muhammad Asif, Ishaque Chauhan, Ahmed Ahson Khan, Maria Aslam</i>	1411
Outcome of Probing and Syringing in Congenital Nasolacrimal Duct Obstruction in Children Under Local Anesthesia <i>Nusrat Sharif, Muhammad Sajid Munir, Muhammad Arshad, Shahid Nazir, Muhammad Usman Sadiq, Rabya Rehman</i>	1415
Significance of Immature Platelet Fraction (IPF%) in Diagnosed Patients of the Immune Thrombocytopenic Purpura (ITP) <i>Mohammad Shahib Haider, Asad Mahmood, Manzar Bozdar, Saima Zahir, Saadia Muzafar, Maliha Batool Bukhari</i>	1420
Protective Effect of Selenium and Zinc Against Dehp Induced Toxicity in the Thyroid Gland of Rats <i>Nabiha Hussain, Shabana Ali, Maleeha Bano, Tooba Khurshed, Huma Beenish, Syeda Sara Bano</i>	1424
Apoptosis in Human Papillomavirus-Induced Cervical Cancer Cells by Higher Doses of Ascorbic Acid <i>Zunaira Ali Baig, Amir Rashid, Ambreen Gul, Imran Raza, , Asifa Majeed</i>	1428
Histopathological Outcome of Oral Lesions in Pakistani Population with Special Emphasis on Oral Cancer <i>Amna Waheed, Tariq Sarfraz, Fatima Kaleem, Rubina Riaz</i>	1433
Assessment of Internal Quality Control of Blood Products; Experience at a Regional Transfusion Centre from Northern Pakistan <i>Maria Khan, Junaid Tariq, Muhammad Ali Rathore, Asad Mahmood, Mansoor Ishaq Raja, Saima Bashir</i>	1439
Vestibular Rehabilitation with Intratympanic Drug Therapy in Meniere's Disease <i>Zeeshan Ayub, Ahmed Hasan Ashfaq, Amir Ali Khan, Kamran Ashfaq Ahmed Butt</i>	1444
Assessment of Patient-Centered Care with Reference to Minimum Service Delivery Standards in District Headquarter Hospitals of Azad Jammu Kashmir <i>Bilal Khalid, Ayesha Babar, Sohail Ahmad, Fareeha Ayyub, Nadia Bukhtawer</i>	1448
Pulmonary Embolism at High Altitude: Analysis of Risk Factors <i>Naimat Ullah Khan, Muhammad Adil, Muhammad Zaman, Abdur Rehman Palwa, Muhammad Tahir, Muhammad Rameez Nawaz</i>	1457
Accuracy of Rapid Antigen Detection Test Device (COVID-19 Ag Rapid Test Device) in Diagnosis of Acute COVID-19 Infections <i>Eijaz Ghani, Noman Shakoar, Saifullah Khan Niazi, Misbah Noor, Faraz Ahmed, Hammad Hussain</i>	1461
Impact of a 20-Minute Counselling Session on Smoking Cessation in an Outpatient Clinic; A Cohort Study <i>Umer Naseer, Shazia Nisar, Taimoor Saleem, Mahmood Qamar, Fatima Naseer, Taimoor Ashraf</i>	1466
QTC Changes Associated with Tyrosine Kinase Inhibitors in Cancer Patients <i>Rahimullah Khattak, Riaz Ahmad, Muhammad Nadeem, Huma Amjad, Amjad Khan, Ibtisam</i>	1470
Osteoporosis/Osteopenia in Post-Menopausal Breast Cancer Patients Receiving Hormonal Therapy <i>Rahimullah Khattak, Riaz Ahmad, Muhammad Nadeem, Umair Tufail, Amjad Khan, Assam Ahmad</i>	1474
Association of Serum Ammonia Levels with Severity of Grades of Hepatic Encephalopathy in Patients Presenting to ER of a Tertiary Care Hospital <i>Muhammad Dawood, Muhammad Nadeem Ashraf, Sonia Madad, Andaleeb Khan, Kamil Rehman Butt, Shahana Rehman</i>	1478
Comparison of the Outcome of Intramedullary Nailing Versus External Fixator Fracture Repair in Gustilo Type IIIA Tibio Fibular Fracture <i>Parvez Ali, Fahad Jatoi, Muzafar Hussain, Dost Muhammad, Ejaz Matlo, Riaz Ellahi Khoso, Mian Sajjad, Suresh Kumar, Muzafar Baloch, Khashif Murtaza</i>	1482
Effect of Supplementation of Acacia Honey and Pioglitazone on Blood Glucose Levels in Streptozotocin-Induced Type 2 Diabetic Rats <i>Mahvash Khan, Umar Ali Khan, Munazza Asad, Melvish Ashfaq, Bushra Riaz</i>	1487
CASE REPORT	
Kohl (SURMA) on Computed Tomography Scan-An Incidental Finding <i>Pir Abdul Ahad Aziz Qureshi, Murtaza Sameen Junejo</i>	1492
Bipolar Affective Disorder in a Patient of Achalasia Cardia: A Case Report of Young Man <i>Usama Bin Zubair, Khola Ejaz, Humza Mumtaz, Muhammad Shahbaz Shoaib</i>	1494
LETTER TO EDITOR	
An Insight into the Patterns and Influences Which Shape the Beliefs and Beliefs of the General Population <i>Muhammad Shahbaz Shoaib, Usama Bin Zubair, Eugene G Breen, Azhar Ali Kazmi, Ibtihal Khair</i>	1497
ACHIEVEMENT	
Tassaduq Hussain	1498