

PAKISTAN JOURNAL OF MEDICAL SCIENCES

Monthly

AN INTERNATIONAL PEER REVIEWED MEDICAL JOURNAL FROM PAKISTAN

VOL. 40 NO. 9 Impact Factor: 1.2, hIndex: 48, Quartile Ranking: Q2, Cite Score: 4.1 (Scopus)

October 2024



HIGHLIGHTS

The safety and efficacy of through-and-through wire technique for ureteral Double-J stent placement	1907
Management of early recurrence following successful endoscopic detorsion in sigmoid volvulus	1985
Effect of positive psychological intervention on the treatment and prognosis of patients with acute cerebral infarction	2005
Application of PBL-CBL and Mini-CEX methods in the standardized training of residents in nephrology department: A prospective study	2046
Comparative efficacy of muscle energy technique and Bowen technique on hamstrings muscle tightness in chronic low back pain patients	2080
Clinical application of 3D-printed fusion cage implantation in treating cervical spondylotic myelopathy	2085
Role of nurse informaticists in the implementation of Electronic Health Records (EHRs) at resource-limited settings	2156

Detailed contents on Page-C

www.pjms.org.pk

Indexed by Science Citation Index Expanded (SCIE) by Clarivate USA

Recognized by Higher Education Commission, Government of Pakistan
Covered by PubMed Central, USA, approved by CPSP, PM&DC

Covered by important databases like Web of Science, Embase/Excerpta Medica Netherlands, WHO IMEMR Current Contents, ISC Iran, Pakistan Science Abstracts, Index Copernicus Poland, SCOPUS, INIS Database, CAB Abstract and Global Health UK, Registered with ISDS France. It is also covered by Pakmedinet, Open-J gate India, DOAJ.

PAKISTAN JOURNAL OF
MEDICAL SCIENCES
Monthly

www.pjms.org.pk

(Founder Chief Editor Late Dr. Maqbool H. Jafary FRCP)

EDITORIAL COMMITTEE

Chief Editor

SHAUKAT ALI JAWAID

Assistant Editor

ANWAR ALI SIDDIQUI

Production Editor: MUBARAK ALI

ADVISORY BOARD

Ahmad Badar, *Saudi Arabia*

M. Afzal Javed, *UK*

Farrokh Habibzadeh, *Iran*

Mohammad Bagher Rokni, *Iran*

Mohammad Akbar Chaudhry, *Lahore*

www.pjms.org.pk

Indexed by Science Citation Index Expanded (SCIE) by CLARIVATE (ISI) USA

Recognized by Higher Education Commission, Government of Pakistan

Covered by important databases like Web of Science, EMBASE/Excerpta Medica Netherlands, WHO IMEMR Current Contents, ISC Iran, Pakistan Science Abstracts, Index Copernicus Poland, SCOPUS, INIS Database, CAB Abstract and Global Health UK, Registered with ISDS France, approved by CPSP, PM&DC. It is also covered by Pakmedinet, Open-J gate India, DOAJ.

PAKISTAN JOURNAL OF MEDICAL SCIENCES (Pak J Med Sci) is a peer reviewed journal. It is published Bi-Monthly and we practice open peer review system. Peer review of a manuscript takes from three to four months though efforts are being made to reduce this period. It has controlled circulation.

Mission: To keep healthcare professionals abreast with latest developments in medical sciences by publishing good quality peer reviewed manuscripts, to improve clinical practice, patient care and to make Pakistan Journal of Medical Sciences one of the leading peer-reviewed biomedical journal from Asia Pacific Region.

Objective: The journal aims at promoting the art and science of medicine to improve healthcare besides being a useful source of CME for healthcare professionals offering healthy, balanced & constructive debates on controversial issues that effect medicine, keeping up the professional ethics in medical journalism.

We accept original research, review articles, guest editorials, case reports, short communications, drug trials, letters, book reviews, case studies, clinical notes, CME, issues for debate and obituaries.

Submission/Processing Charges: All manuscript from Pakistan must be accompanied by processing charges of Rs. 5000/- (Non Refundable) by cash or through online Bank Transfer. **Note: Cheque, Pay Order and Bank Draft are not accepted as processing fee. Title of Account:** Pakistan Journal of Medical Sciences, Account Number: 00040101801240-5, MCB Bank Limited, Saddar Branch (0004), Karachi.

Fast track review: Rs.30,000/- (Non-refundable). **Fast track review for Overseas:** US\$ 300/-. First decision after peer review in twelve weeks. Authors who wish to opt for fast track processing must first enquire if it is possible.

Plagiarism: Manuscripts are screened for plagiarism using iThenticate Software and those found guilty or involved in publication misconduct are liable to be black listed. We are member & follow COPE Guidelines. Minimum publication charges for manuscripts effective June 3, 2022 is Rs.30,000/- (in case of overseas US\$ 600/-), Case Report / Brief Communications Rs.25,000/- (in case of overseas US\$ 400/-) and Review Article Rs.50,000/- (in case of overseas US\$ 1000/-) upto five printed pages in the journal & Rs.6,000/- extra will be payable for each additional page. Overseas US\$ 75/- for each additional page. Charges for photograph, films and illustrations are additional. Publication charges are payable in advance once the manuscript has been accepted for publication by the Editorial Board after peer review. Prints can be obtained from online edition which contains all the published manuscripts in PDF format.

(For detailed instructions for authors visit our website pjms.org.pk) Note: Processing and Publication charges from authors are taken to ensure their Open Access availability for the readers.

Note: Periodicity of Pakistan Journal of Medical Sciences was changed from Quarterly to Bi-Monthly with effect from April 1st, 2013 after getting permission from Govt. of Sindh Letter No. CK/HMS/Press/-97/13 dated March 25th, 2013.

Ombudsman: Dr. Behrooz Astaneh, Canada. E-mail: astanehb@yahoo.com

Payment of publication charges should be made direct in our Bank Account through Online Transfer.

Business & Editorial Offices: Professional Medical Publications, Office # 701, Seventh Floor, Business Center, PECHS, Shahrah-e-Faisal, Karachi-Pakistan. Email: pjms@pjms.org.pk. Phone: +92-021-34324732 & +92-021-34324733. E-mail: pjms@pjms.org.pk, Online edition ISSN 1681-715X

Abbreviated key title: Pak J Med Sci

Website: www.pjms.org.pk

Desk Top Publishing: Zahid Hussain Publication Secretary: Nauman

Published by Shaukat Ali Jawaid for Professional Medical Publications and printed at Punjab Printing Press Karachi, Pakistan

Whilst every effort is made by the publishers and the Editorial Advisory Board of the Journal to see that no inaccurate or misleading data, opinion or statement appears in this Journal, they wish to make it clear that the data and opinions appearing in the articles and advertisements herein are the responsibility of the contributor or advertiser concerned. Accordingly, the publishers and the editorial committee and their respective employees, officers and agents accept no liability whatsoever for the consequences of any such inaccurate or misleading data, opinion or statement-*Chief Editor*

CONTENTS

EDITORIAL

- * Growing demand for Bilateral Total Knee Arthroplasty: How to balance patient outcome with healthcare system challenges 1895
Shaukat Ali Jawaid

ORIGINAL ARTICLES

- * Prevalence-pattern of congenital and hereditary anomalies in Balochistan Province of Pakistan 1898
Azmatullah, Muhammad Qasim Khan, Abdullah Jan, Junaid Mehmood, Sajid Malik
- * The safety and efficacy of through-and-through wire technique for ureteral Double-J stent placement 1907
Cheng Shi Chen, Chu Hui Zeng, Ji Hoon Shin, Suyoung Park, Hai Liang Li, Fang Kun Li
- * Analysis of clinical application effects of Esketamine combining Sufentanil in labor analgesia and their impacts on postpartum depression 1914
Haoyu Jiang, Shoubo Quan, Yahai Su, Jingyi Li, Xuefeng Zhang
- * Clinical effects of IPCH after the surgery for ovarian cancer at the middle or advanced stage and its impacts on tumor markers and immune functions 1919
Heyue Li, Yan Zhang, Hong Tang, Linxia Li
- * Average Carbohydrate and CaLoric Intake of Patients with Type-2 diabetes at a tertiary care hospital in Pakistan: ACCLIP study 1925
Kiran Habib, Shumaila Gul, Azizul Hasan Aamir
- * The role of mobile health applications (mHealth apps) in reshaping the body weight for better healthcare: A cross-sectional study 1930
Moath Mohammed Albarrak, Nasriah Zakaria, Sultan Ayoub Meo
- * Comparison between modified and conventional combined Trabeculectomy-Trabeculectomy with Mitomycin-C for intraocular pressure reduction in primary congenital glaucoma 1937
Ahmed Raza, Muhammad Ajmal Chaudhary, Asma Mushtaq, Asad Aslam Khan
- * Prevalence of compassion fatigue among post-graduate trainees in Pakistan: A cross-sectional study 1941
Saima Norin, Usman Mahboob, Naheed Mahsood, Sohail Raziq
- * Risk factors associated with respiratory distress syndrome in late preterm infants 1947
Hongbin Zhu, Yueyi Wang, Haiwei Yin, Fang Liu, Yanfei Ma, Xinyue Li
- * Chemotherapy combined with Shenmai injection alleviates inflammatory response and side effects in the patients with advanced colorectal cancer: A retrospective analysis 1953
Yude Jin, Wei Zhu, Hanbin Dai, Xiaowei He
- * Clinical effect of psychological nursing and nutritional intervention in radiopharmaceutical therapy of patients with thyroid carcinoma 1958
Jing Chen, Yuanzheng Liu
- * Frequency, risk factors, and outcome of neonatal meningitis in sepsis 1964
Saeed Ahmed, Sundus Akhtar, Aysha Sultan, Ayaz ur Rehman

* Effectiveness of different tirofiban administration times in patients with no-reflow myocardial infarction during percutaneous coronary intervention <i>Chaosheng Mei, Huiping Yu</i>	1969
* Frequency of Cerebral Aneurysm in patients with subarachnoid hemorrhage on CT Cerebral Angiography <i>Sana, Shaista Shoukat, Sumera Tabassum, Haania Shahbaz</i>	1975
* Effect of high-flow nasal oxygen therapy combined with ipratropium bromide on Th1/Th2 balance and inflammation in patients with chronic obstructive pulmonary disease and respiratory failure <i>Ting Li, Xuefen Xu</i>	1979
* Management of early recurrence following successful endoscopic detorsion in sigmoid volvulus <i>Nurhak Aksungur, Esra Disci, Rifat Peksoz, Sabri Selcuk Atamanalp</i>	1985
* Correlation between neutrophil to lymphocyte ratio and C-reactive protein in diverse disease states in hospitalized patients <i>Ramsha Ghazal Arshad, Kaleem Ullah Toori</i>	1989
* Efficacy of butylphthalide in the treatment of patients with stroke attributed to intracranial arterial stenosis <i>Xudong Lu, Shuxia Qian, Yanping Wang, Xiaoling Zhang, Yuhua Jin, Bo Yu</i>	1994
* Iron overload and liver function in patients with beta thalassemia major: A cross sectional study <i>Amna Faruqi, Tooba Zafar, Sikander Subuctageen, Irfan Afzal Mughal</i>	2000
* Effect of positive psychological intervention on the treatment and prognosis of patients with acute cerebral infarction <i>Yunhe Xu, Xiaojun Li, Xiaoli Guo, Wenbin Gao</i>	2005
* Is Anxiety related to oral examination scores of Anatomy and Physiology? A study of pre-clinical MBBS and BDS Students <i>Ambreen Surti, Ambreen Usmani, Muhammad Raza Sarfraz, Shazia Shakoor</i>	2011
* Efficacy of argon-helium cryoablation combined with chemotherapy in the treatment of advanced NSCLC <i>Yongfei Guo, Jing Yan, Mao Yang, Tongguo Si</i>	2017
* Risk factors for complications in patients undergoing gastrointestinal endoscopy under acupuncture anesthesia <i>Haoliang Cai, Xiaohui Wu, Xi Chen, Jun Guo, Wenting Chen</i>	2022
* Early oral colonization of streptococcus mutans and lactobacilli species in infants: Investigating the relationship with maternal and environmental factors, from birth through the sixth month <i>Cansu Ay, Huseyin Karayilmaz, Ayse Cengiz</i>	2028
* Role of Ginger in management of nausea among patients receiving chemotherapy <i>Zamin Abbas Syed, Ammad Fahim, Mahpara Safdar, Rafia Imtiaz</i>	2036
* Effect of periodic nursing interventions on improving compliance behavior and health status in long-term Hemodialysis patients <i>Yan Wang, Jiakang Sun, Fei Guo, Deheng Wan</i>	2041

* Application of PBL-CBL and Mini-CEX methods in the standardized training of residents in nephrology department: A prospective study <i>Xiaodong Li</i>	2046
* Diagnostic accuracy of low dose CT-Scan abdomen in patients with clinical features of acute appendicitis <i>Syed Jehanzeb Asim, Zubia Masood, Erum Soomro, Abdul Sami Qureshi</i>	2052
* Research on influenza epidemic and clinical characteristics based on influenza research database <i>Guowei Li, Rongyuan Yang, Rui Chen, Yuejia Zhong, Manhua Huang</i>	2056
* Clinical profile and management of non-tubal ectopic pregnancy: Experience from a tertiary care hospital in the United Arab Emirates (UAE) <i>Shumaila Aftab Khan, Shaba Molvi, Giya Mathew, Muna Khalfan</i>	2063
* Utility of diffusion weighted Magnetic Resonance Imaging to detect non-palpable undescended testis <i>Nasreen Naz, Ayesha Walid, Anila Rahim, Komal Lajpat</i>	2069
* Efficacy and safety of refined nursing combined with Zhao's Thunder-Fire Moxibustion in treating patients with gastric cancer of Spleen-Qi Deficiency Syndrome: A clinical study <i>Yuelu Yang, Yueling Yang</i>	2074
* Comparative efficacy of muscle energy technique and Bowen technique on hamstrings muscle tightness in chronic low back pain patients <i>Kishwar Batool, Mariam Mehmood, Muneeb Jafar, Maham Gull</i>	2080
* Clinical application of 3D-printed fusion cage implantation in treating cervical spondylotic myelopathy <i>Yue Ma, De-bao Zhang, Fan Li, Yang Song</i>	2085
* Effect of different mouthwash solutions on the surface morphology, nanohardness and flexural modulus of nickel-titanium orthodontic wire <i>Nozha Mahmoud Sawan, Afnan A Ben Gasseem</i>	2090
* Risk factors for cardiovascular disease in women with preeclampsia and intrauterine growth restriction <i>Fehmida Memon, Samia Aijaz, Mahreen Bhatti, Naheed Sheikh</i>	2096
* Clinical efficacy and safety of targeted therapy, immunotherapy combined with chemotherapy for treating patients with advanced gastric cancer <i>Dongyan Yang, Zhilong Gao, Xuezhu Yang, Liguao Gao</i>	2101
* Echocardiographic evaluation of myocardial dysfunction in term neonates with perinatal asphyxia <i>Javaria Rasheed, Muhammad Khalid, Iram Nawaz, Barera Maryam</i>	2107
* LDH and NLR, as inflammatory markers, the independent risk factors for COVID-19 complicated with respiratory failure in elderly patients <i>Shan Wang, Jia Liu, Song Hu, Yongjun Mao</i>	2112
* Dexmedetomidine leads to the amelioration of stress response to surgery <i>Khalida Ajmal, Akbar Waheed, Rashada Farooqi, Qaisar Mansoor</i>	2118

* Comparative observation between Roxithromycin and Azithromycin sequential therapy in the treatment of Mycoplasma pneumoniae Pneumonia in Children <i>Dan Liu, Yi-fei Zhang</i>	2124
* Impact of complete dentures treatment on Oral health-related quality of Life (OHRQoL) in edentulous patients: A descriptive case series study <i>Shameen Tariq, Ahmad Shoaib, Farooq Ahmad Chaudhary, Syed Rashid Habib, Muhammad Qasim Javed</i>	2130
* Effect of pain nursing intervention on patients with craniocerebral trauma combined with ocular trauma after decompressive craniectomy <i>Dongjing Xu, Jing Li, Zhenling Jia, Jia Li, Yuchao Shan</i>	2136
SYSTEMATIC REVIEW	
* Treatment-Resistant Mood Disorders <i>Nadia Naeem, Rabia Farooqi</i>	2141
BRIEF COMMUNICATION	
* Discovering down's syndrome: An account from A low middle income country <i>Ayeza Ali, Nabiha Ali, Misbah Iqbal Hanif, Syed Rehan Ali</i>	2149
CASE REPORT	
* Report of incomplete intestinal obstruction in an adult patient with Down Syndrome: A literature review <i>Ning Yang</i>	2152
VIEW POINT	
* Role of nurse informaticists in the implementation of Electronic Health Records (EHRs) at resource-limited settings <i>Kiran Bano Asif, Haroon Khan</i>	2156
ACKNOWLEDGEMENT	
* Reviewer's Name	2160