



# JPMA

Journal of the  
Pakistan Medical Association (Centre)

Volume 74 No. 3

March 2024

Pages 430 - 617

## EDITORIAL

- 430** A New Frontier in Oral Health: Unraveling the Efficacy of Probiotic Metabolites vs. Chlorhexidine on Streptococcus mutans in Dental Plaque  
M. Kashif, M. Kazmi

## ORIGINAL ARTICLE

- 432** Therapeutic efficacy and drug safety comparison of one-week Vonoprazan triple therapy with two-weeks Esomeprazole triple therapy in Helicobacter pylori infection: Findings from a single-centre randomized clinical trial in population of Pakistan  
F. Waqar, M. Noor, E. Haider, K. Farhat, S. Ali, S.F.F. Gilani

## RESEARCH ARTICLE

- 436** Learning styles, academic performance and mental health among medical students in King Faisal University, Saudi Arabia  
M.A. Lone, O.F. Albutaysh, M.A. Alessa, A.A. Alquarni, A.A. Alhubabi, S. Ibrahim
- 440** Functional and union outcome of combined column tibial plateau fracture treated with hybrid external fixator  
M. Anis, S.F.S. Gillani, I. Mohy-Ud-Din
- 445** Assessment of sleep quality in severe COVID-19 hospitalised patients  
N.Z. Abbasi, K. Baig, M. Hassan, F. Syed, M.A.W. Jami, M. Usman
- 450** Evaluation of visual outcomes with toric intraocular lens implantation using digital marker during cataract surgery  
I.K. Jeeva, S. Masud, T.S. Ali, M.A.R. Siddiqui, A.A. Waheed, A. Awan
- 456** Impact of COVID-19 on expanded programme on Immunisation in District Dir lower Khyber Pakhtunkhwa  
Abdullah, S. Khan, I.H. Khan, T. Ashraf

- 459** Relationship between cultural intelligence and career and work adaptability in nursing students  
S. Sevinc, S. Ozdemir
- 464** Comparative evaluation of ethanol versus citric acid in removal of oil-based calcium hydroxide from the apical third of root canal system  
N. Naved, F. Umer
- 469** Investigation of some changes and clonal relationship in enterococci isolates due to relocation of a hospital  
H. Korkoca, G. Haziroilan, C. Cicek, S. Savas, O. Akgul, E.S. Tanrıverdi

- 476** Demographic analysis of hearing impairment based on various parameters in patients with cochlear implant  
I. Riaz, A. Rashid, A. Majeed
- 480** Orthodontic awareness amongst middle school teachers and parents of twin cities  
A. Mansoor, M.A. Kasana, R. Nazir, T.A. Siddiqui, S. Mansoor, S. Rahim

- 485** Understanding ureteroscopy complications according to modified Clavien classification system  
Usama Bin Shaheen, N.A. Maher, N. Mughal, H.H. Qureshi, N. Akhter, S.R. Kalwar
- 489** Impact of perceived social support on psychological resilience: A comparison between medical and surgical postgraduate residents  
Amreen, A. Arshad, K. Majid, M.B. Ahmed, S. Misbah

- 494** The outcomes of nutritional therapy in patients with non-alcoholic fatty liver disease (NAFLD): Pitfalls in getting fit from fat  
Sabitha Shabir Shaikh, Badder Hina Afnan, Sumaira Nasim, Waqas Ahmed Farooqi, Ahsan Ali Darbari, Alveena Shabbir

- 499** Perceptions and use of evidence-based revision methods among undergraduate medical students  
Qurat-Ul-Ain Ashfaq, Taymmia Ejaz, Maria Hasan Baloch, Kamil Asghar Imam

- 504** Factors contributing to preterm birth in patients presenting at tertiary care hospitals in Punjab  
F.A. Bajwa, N. Sultan, A. Sadaqat, A. Riaz, M.Z. Sikandar

- 509** Concordance of clinical, histopathologic and direct Immunofluorescence findings in patients with intraepidermal immunobullous disorders  
E. Ashraf, F. Shareef

- 513** Challenges and technical aspects in the management of muscle invasive bladder cancer as retrograde radical cystectomy with ileal conduit  
Nadeem Bin Nusrat, Assad Ur Rehman, N. Zafar, S. Muhammad, S.I. Bajwa, S. Imtiaz

- 519** Perceived usefulness of medical teachers towards online learning using technology acceptance model  
I.Q. Malik, U. Iqbal, M. Moin, S. Chaudhry

- 524** Clinicopathological features and outcome of secondary steroid resistant nephrotic syndrome: A retrospective analysis  
H. Qaiser, I. Bajeer, S. Khatri, S. Hashmi, A.A. Lanewala

## META ANALYSIS

- 528** Effects of interval training on haemodynamic variables after coronary artery bypass graft: A meta-analysis  
M.P.A. Lakhdar, M.M.H. Khan, F.B. Hasnani, G. Peerwani, M.T. Nawaz, A.N. Hameed, M. Angez, F. Zahra, S. Aslam, M. Saeed

## SYSTEMATIC REVIEW

- 534** Surfactant protein-D, diabetes mellitus, oxidative stress, infections and inflammation on the crossroad: A Systematic review  
S. Jawed, M. Mohamed, B. Altaf, W.S.W. Ghazali

## NARRATIVE REVIEW

- 544** Pathways to prevention: insights on stemming HIV outbreaks in Larkana, Pakistan  
H.A. Raza, M.H.R. Raja, M.M. Khakwani, M. Khakwani, B. Jamil

## SHORT COMMUNICATION

- 549** Risk perception about communicable and vector borne diseases among international travellers to Pakistan: A cross sectional study  
S. Saeed, Q. Tahir, A.B. Kawish

- 555** Cytogenetic abnormalities associated with reproductive failure in Pakistani population: Experience of a tertiary care hospital  
F. Naz, N. Perveen, S.Z.A. Naqvi, S. Rafiq

- 559** Assessment of tear film parameters in females with refractive errors using a single device: An observational study  
M.A. Alanazi, S.A. Alanazi, M.A. Baashen, M.S. Almutairi, G.A. El-Hiti

## SHORT REPORT

- 563** Aetiology, presentation and outcomes of patients presenting with acute pancreatitis in a tertiary care hospital  
Z. Sohail, H. Shaikh, N. Iqbal, H. Masood, O. Parkash

*Continued .....*



# Journal of the Pakistan Medical Association (Centre)

## Editorial Board

**Chairman**

Shahid Ahmed Sami

**Editor-in-Chief**

Fatema Jawad

**Associate Editor-in-Chief**

Huma Qureshi

**Associate Editors**

Qudsia Anjum Fasih

**Editor, Students' Corner**

Sina Aziz

**Statistical Reviewers**

Syed Muhammad Mubeen

**Managing Secretary**

Maryam Farooqui

**Administrative Secretary**

Syed Muhammad Zulfiqar Hyder Naqvi

Anwar Ali Khawaja

Ahmed Abdul Majid

**Members**

Aamir Raooof Memon

Mirza Naqi Zafar

Aamma Hassan

Mohammad Wasay

Aisha Mehnaz

Muhammad Shahzad Shamim

Ali Yawar Alam

Muhammad Shahid Shamim

Anwar Ali Siddiqui

Ramsha Zaheer

Asif Khaliq

Rehman Siddiqui

A.R. Jamali

Rubina Naqvi

Bushra Shirazi

Rumina Hasan

Farooq Azam Rathore

Syeda Nosheen Zahra Zaidi

Fehmina Arif

Sadiyah Ahsan

Gulnaz Khalid

Syed Sharaf Ali Shah

Muhammad Iqbal Afridi

Sohail Akhtar

Khalid Zafar Hashmi

Syed Mamun Mahmud

Kiran Ejaz

Uzma Fasih

Manzoor Hussain

Zakiuddin G. Oonwala

Masood Ali Shaikh

Zubaida Masood

Mehwish Kashif

**International Advisors**

Ahmed Badar (KSA)

Mihnea Alexandru Gaman (ROMANIA)

Amin Ali Muhammad Gadit (CANADA)

Osman Faruk Bayramlar (TURKIYE)

Farhad Handjani (IRAN)

Sanjay Kalra (INDIA)

Farrokh Habibzadeh (IRAN)

Shabih Zaidi (UK)

Gerry Mugford (CANADA)

Sultan Ayoub Meo (KSA)

Itrat Mehdi (OMAN)

Tanveer Azher (CANADA)

MEL Heyman (USA)

Tahir Masood (KSA)

Mohammad Bagher Rokni (IRAN)

Zohra Zaidi (UK)

Mubeen Rafay (CANADA)

The Journal of Pakistan Medical Association (JPMA) is published monthly from PMA House, Aga Khan III Road, Karachi-74400, Pakistan.

All articles published represent the opinion of the authors and do not reflect official policy of the journal. All rights reserved to the Journal of the Pakistan Medical Association. No part of the Journal may be reproduced, stored in a retrieval system, or transmitted in any form or by any other means, electronic, mechanical photocopying, recording or otherwise, without prior permission, in writing, of the Journal of the Pakistan Medical Association.

Price: Rs.2200.00 (Single Issue)

Annual Subscription 26,000 in Pakistan and US\$ 450.00 for overseas countries (including air mail postage).

Publication Office: PMA House, Aga Khan III Road, Karachi-74400, Pakistan. Telephone/Fax: 9221-32226443.

E-mail: editor@jpma.org.pk

Volume 74, Number 3

March 2024

Pages 430 - 617

**SHORT REPORT**

- 566** Resilience and academic performance: Exploring the link in dental students  
F. Ali, R.A. Khan, M. Arooj

**CASE REPORT**

- 570** Paraganglioma of the urinary bladder: A case report  
M. Hassan, A.H. Quereshi
- 573** Caudal duplication syndrome: A rare entity  
S. Kanwal, S. Batool, S. Naqvi, N. Israr, S. Akhtar, S. Zia
- 576** Aeromonas hydrophila induced necrotizing fasciitis following laparoscopic cholecystectomy  
T.K. Janjua, S. Siddique, M.F. Ibrahim, M.N. Khurshaidi
- 580** Pneumopericardium in a child – "halo sign" on chest x-ray:  
A Case Report  
A. Sadaf, A. Rashid, S. Omer
- 582** Pancreaticoureteric fistula following penetrating abdominal trauma:  
A Case Report  
H. Bashir, M. Nauman, M. Arsalan

- 585** Massive left pulmonary artery aneurysm with a co-existing patent ductus arteriosus in a five-year-old female child: A case report  
J. Khan, M.M. Khan, Z. Brohi, M. Mahboob, S.K. Bangash

**RECENT ADVANCES IN ENDOCRINOLOGY**

- 589** The Mood-Muscle Meta Bridge (Brain Muscle Axis)  
S. Kalra, S. Arora, N. Kapoor

**PRIMARY CARE DIABETES**

- 591** Diabetes Fever  
S. Kalra, S. Verma, N. Kapoor, S. Bhattacharya

**BAROCRINOLOGY**

- 593** Ultra Processed Foods: A South Asian culinary perspective  
S. Kalra, B. Kalra, L. Kapoor, N. Kapoor

**EVIDENCE BASED NEURO-ONCOLOGY**

- 595** Evolution of RANO in Assessing Brain Tumour Outcomes  
Q. Virani, Z. Javed, M.S. Shamim

**IMAGING CORNER**

- 597** Krukenburg tumour: Role of 18F-FDG PET/CT in identifying the primary site  
S. Usmani, S. Murad, F. Al-Kandari, M. Al-Maraghy

**REHABILITATION SCIENCES CORNER**

- 599** Mobile health: Is your next rehabilitation's specialist in your pocket?  
K. Daniels, F.A. Rathore, B. Bonnechère

**LETTER TO THE EDITOR**

- 602** The potential of methylene blue in treating septic shock: Is it worth a shot?  
S. Shariq, A. Khawaja, N. Khowaja

- 603** Unsupervised mobility and motion assessment in neuromuscular and musculoskeletal disorders using mobile health technology  
M. Osama, B. Bonnechère, S. Afridi

- 605** Naegleria fowleri in 2023: A rising threat to Pakistan  
Varsha, D. Kumar, Hersha

**COMMENT**

- 606** Comment on Atiq U, Rafique R, Sami Atiq S, et al. (J Pak Med Assoc. 2023; 73: 1753) Osteoporosis's undertreatment in Pakistan  
M.T. Khalil, F.A. Rathore, O. Ahmed

Continued .....



ISSN (ISSN-L) 0030-9982

Impact Factor - 0.9

# Journal of the Pakistan Medical Association (Centre)

Volume 74, Number 3

March 2024

Pages 430 - 617

---

STUDENTS' CORNER  
RESEARCH ARTICLE

- 608** Predictors of clinical outcomes in patients with sepsis: A retrospective study from a tertiary care hospital in Pakistan  
M. Angez, S. Jassani, M. Abbas, I. Akbar, R.S. Martin, A. Arshad

- 
- 613** Breaking ground on ADHD diagnosis in Pakistan  
A. Javid, M. Ahmed, E. Sikandar

- 
- 614** Medical brain drain: A critical challenge to Pakistan's healthcare sector  
A. Ahmed, Aribah, M. Ibrahim

- 
- 615** Could cigarette smoke be associated with metaplastic type of meibomian gland dysfunction?  
E. Ali, N.T. Sheikh

- 
- 616** Hypochlorous acid-the future of wound care?  
M. Roshan, M. Tariq, M.S. Akhtar

- 
- 617** Comparative analysis of peritoneal dialysis and hemodialysis for the management of kidney failure: A concise review  
U. Khan, M.A. Siddiqui