EDITORIAL
601 Four decades of urolithiasis: What has changed in our practice? M. Hussain, S. Abidi

603 Role of physical therapy in women’s health F. Zaidi, I. Ahmed

ORIGINAL ARTICLES
605 Effect of median nerve neuromobilization on functional status in patients with carpal tunnel syndrome: A double blinded randomized control trial M. J. Iqaz, H. Karim, S. A. Gillani, A. Ahmed, M. A. Chaudhary

610 Health care associated Clostridoides difficile infection and colonization in patients admitted at tertiary care hospital Pakistan A. Ahmed, A. Ikram, N. Sabir, G. Zaman, A. Garderee, L. Satti

RESEARCH ARTICLES
616 Suicidal tendencies and psychiatric symptoms as consequence of anabolic androgenic steroid usage among athletes in District Rawalpindi B. Hussain, M. T. Khaliq, M. A. Khaliq


625 Effectiveness of preoperative stretchings on postoperative shoulder function in patients undergoing mastectomy T. Fatima, A. Shakoor, M. Ilyas, M. Safdar, S. Majeeed

629 Exploring the level of academic procrastination and possible coping strategies among medical students M. Tahir, R. Yamin, M. W. U. Butt, S. Gul, S. Aamer, N. Naeem


639 Reflection — an effective strategy for outcome-based learning in basic medical sciences U. Muršat, A. Zainub, R. Hanif, S. Ayub, F. Naureen, T. Inam

643 Exploiting the power of Gamification in Journal club M. M. Bashir, R. A. Khan


654 Incidence of food and aero allergies among patients visiting Allergy center National Institute of Health (NIH), Islamabad S. Munir, H. Ahmad, T. A. Akhl, A. Yousaf, S. A. Qazi, T. Manzoor

658 Maternal and perinatal outcomes of dengue fever with special emphasis on vertical transmission S. Naz, F. Ghafoor, S. Muhhtar, T. Rabbat


669 Perception of postgraduate medical residents regarding educational environment at French Medical Institute for Mothers and Children, Kabul Afghanistan Y. N. Parpio, S. Farooq, N. Zahid, J. A. Ghafer, R. Rehman

674 Translation and validation of MHQ score in local language Urdu in patients with rheumatoid arthritis presenting in a tertiary care center of Pakistan A. Ehsan, S. Mushiq, B. Salim, S. Samreen, H. Gul, A. Nasim


685 First comprehensive report on distribution of histologically confirmed oral and maxillofacial pathologies: a nine-year retrospective study H. Shabir, M. Inshad, S. H. Durrani, A. Sarfaraz, K. N. Arbab, M. T. Khattak

691 Trends in traditional and complementary medicine practices in Turkey: Results of two consecutive surveys 2012-2018 Y. Durduran, B. Okka, I. Duman, A. Erýlmaz

696 Correlation of insulin resistance with neutrophil to lymphocyte ratio and serum ferritin in male patients of metabolic syndrome U. Zafar, Z. Ali, S. Khalig, K. P. Lone

702 Anatomical variations of human sphenoid sinus in terms of volume and septation pattern in a subset of Pakistani population using computed tomographic images A. Aijaz, N. Khan, S. Mubeen, B. Rizveed
Volume 72, Number 4
April 2022 Pages 601 - 797

RESEARCH ARTICLES
707 Outcomes of COVID-19 contact tracing in hospital healthcare workers: A retrospective cohort study

LAB RESEARCH
714 A study of association between presence or absence of GSTT1 and GSTM1 and/or single nucleotide polymorphism in FABP2 and GSTP1 with incidence of diabetes type 2: A case-control study
H. Jamil, A. Awan, A. Akbar, M. Babar, S. Akhtar, R. K. Iqbal, F. Iqbal

KAP STUDY
721 The status of knowledge, attitude and practice towards emergency management of avulsed tooth among dental students: A single center cross-sectional study
M. Muzzamal, H. Perez, I. Naz, S. Raza

NARRATIVE REVIEW
725 Sound: Production, perception, hearing loss & treatment options
B. Kulsoom, N. Karim

733 Prevalence of agenesis of palmaris longus in male and female genders on clinical examination — a review
Q. Javid

SHORT COMMUNICATION
738 Oral maxillofacial surgical residency and its impact on the academic and research productivity at different levels in Pakistan
M. Raza, A. Madhwani, F. Jehan, S. Saeed

SHORT REPORT
714 Perspectives of residents, students and faculty about residents as teachers at a University Hospital in Karachi
H. K. Siddiqui, K. Ghauri, M. F. R. Khan

745 How to teach ethics to the undergraduates in clinical context?
K. Niaz, U. Mahboob

747 Gender differentials in spatial distribution of immunization status in children aged 12-23 months by district in Punjab — Results from Pakistan Social and Living Standards Measurements Survey 2014-15
M. A. Shaikh

CASE REPORT
752 Isolated internal jugular and subclavian vein thrombosis: A rare complication of pancreatitis — A case report
Q. A. Aftab, A. Hameed

755 A rare case of acute mesenteric ischaemia and duodenal ulcer perforation together in a single patient in a tertiary care hospital

758 Previously undiagnosed serotonin toxicity: From pre-anaesthetic assessment to postoperative management — a case report
B. L. Grigorescu, I. Saplacan, M. R. Moraru

761 Verona integron-encoded metallo-Beta-lactamase (VIM) and Vietnam extended-spectrum Beta-lactamase (VEB) producing pseudomonas balearica from a clinical specimen

764 Early-onset aggressive oesophageal carcinoma in Down’s syndrome — a coincidence or a game of extra genes?
F. Ashraf, K. Aftab, F. Ibrahim, M. Arsalan

The Journal of the 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 offical 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.1,700/- (Single Issue)

Annual Subscription Rs.20,000/- in Pakistan and US$450.00 for overseas countries (including air mail postage).


E-mail: editor@jpma.org.pk
RECENT ADVANCES IN ENDOCRINOLOGY
767 Understanding the pathogenesis of graves orbitopathy: A new age paradigm
D. E. Kurian, S. Kalra, N. Kapoor

PRIMARY CARE DIABETES
771 Prediabetes: A Pragmatic approach to counselling and coaching
S. Kalra, A. Singal, N. Kapoor

BAROCRINOLOGY
773 The 3x3x3 diet for the management of diabetes and obesity in resource constrained settings
S. Kalra, L. Kapoor, N. Kapoor

EVIDENCE BASED NEURO-ONCOLOGY
776 Seizure outcomes after meningioma resection
M. Masroor, S. K. Bakhshi, M. S. Shamim

REHABILITATION SCIENCES CORNER
779 Rehabilitation of hemispatial neglect in stroke
M. T. Khalil, U. Younas, I. Irshad, F. A. Rathore

IMAGING CORNER
782 Diffuse hepatic uptake on bone scan in a terminally ill osteosarcoma patient
M. F. Rana, A. Hassan

784 Stockholm3 - A new option to detect Prostate Cancer
M. Z. Ali, R. Ahmad, A. Akmal

STUDENTS’ CORNER
785 Research Article: Sarcoidosis: An experience from a tertiary care center in Karachi Pakistan

790 Case Report: Early suspicion can save lives; mucormycosis in two children with diabetic ketoacidosis in Pakistan
A. Shahid, B. Fatima, Y. N. Khan, M. N. Ibrahim, J. Raza

793 Letter to the Editor: Is the hygiene hypothesis a plausible explanation for the asymmetry in COVID-19 mortality?
U. Naeem, F. Eqbal

A. K. Siddiqi, O. A. Shaikh, M. A. Chachar

795 Letter to the Editor: Emerging cases of rabies amidst COVID-19 in Pakistan: A new threat?
H. Kumar

796 Letter to the Editor: Preterm birth — A novel risk factor of ischemic heart disease and stroke
A. Moeed, A. R. Atif, S. H. Shuja

797 Letter to the Editor: Virtual reality — A means to train surgeons of tomorrow amidst Covid-19
M. U. Nasir, Z. Majid, Z. Shahzad