|                   | CONTENTS   |     |  |  |  |
|-------------------|--|-----|--|--|--|
| 6                 | GUEST EDITORIAL  |     |  |  |  |
| *                 | Emerging Role of Radiologist in Multidisciplinary Team Meetings<br>Sadaf Arooj   | 919 |  |  |  |
| LEADING ARTICLES  |  |     |  |  |  |
| *                 | Brain drain of healthcare professionals from Pakistan from 1971 to 2022:<br>Evidence-based analysis - Sultan Ayoub Meo, Tehreem Sultan   | 921 |  |  |  |
| ORIGINAL ARTICLES |  |     |  |  |  |
| *                 | Survival in general surgery: The female surgeons' perspective<br>Syeda Saima Qamar Naqvi, Humera Adeeb, Ahsan Sethi  | 926 |  |  |  |
| *                 | The diagnostic value of hysterosalpingo-contrast sonography in female infertility of the fallopian tube - Chunying Li, Yan Huang, Li Xie, Xin Huang  | 931 |  |  |  |
| *                 | Comparative analysis of anesthesia and clinical efficacy of inhalation anesthesia<br>and intravenous anesthesia in Trigeminal Nerve Balloon Avulsion<br>Zhong-jie Zhang, Long-ji Cui, Lin Shen, Xian-bin Ning  | 936 |  |  |  |
| *                 | Effect of Phacoemulsification on Sub Foveal Choroidal and Central Macular<br>Thickness as measured by Swept Source Optical Coherence Tomography<br>Javeria Ahmed, Ahsan Mukhtar, Mohammad Asim Mehboob, Asfandyar Khan                                       | 941 |  |  |  |
| *                 | Efficacy of metoprolol combined with torasemide in elderly patients with degenerative valvular heart disease and heart failure and its influence on NT-proBNP levels <i>Kai Ren, Jinping Feng, Xuwen Yang, Bei Ren, Yujun Guo</i>                            | 945 |  |  |  |
| *                 | Diagnostic value of contrast-enhanced ultrasound combined with MRI for cervical hyperplastic, tuberculosis-infected, and metastatic lymph nodes <i>Xiulei Yu, Wenzhi Zhang, Ning He, Dongming Su, Yang Zhao</i>  | 950 |  |  |  |
| *                 | Correlation of HbA1c with Serum Iron & Transferrin Saturation<br>in Non-Diabetic Patients with Iron Deficiency<br>Darshan Kumar, Tazeen Rasheed, Bader Faiyaz Zuberi, Rabiah Sadaf, Faiza Sadaqat Ali  | 956 |  |  |  |
| *                 | Comparison of Uterine manipulators types in total Laparoscopic Hysterectomy:<br>A retrospective study - <i>Mustafa Sengul, Halime Sen Selim</i>  | 961 |  |  |  |
| *                 | Comparison of voiding vesicoureteral urosonography with fluoroscopic voiding cystourethrography in children with vesicoureteral reflux <i>Bin Yang, Junping Wang, Zhiyan Di, Shasha Zhao, Yali Ma, Yanchao Qu</i>  | 967 |  |  |  |
| *                 | Expression and clinical significance of NRLP1 in patients with ST-segment elevation myocardial infarction combined with malignant ventricular arrhythmia <i>SiXin Xie, HuiQiong Jiang, ZiLin Gao, YongJun Lin, NaJiao Hong</i>                               | 972 |  |  |  |
| *                 | Student experiences of simulation-based learning and its impact on their performance in objective structured clinical examination in Pediatrics - A mixed method study Sana Saeed, Azam Afzal, Farah Khalid, Fyezah Jehan                                    | 978 |  |  |  |
| *                 | Photo-induced photoacoustic streaming and pineapple peel extract as final irrigant on extrusion bond strength of root filling material to canal wall <i>AbdulRahman Saeed AlGhamdi, Badi Alotaibi, Hanin Alsalhi, Roqayah Ibrahim Aljuailan, Ali Barakat</i> | 983 |  |  |  |
| *                 | Exploration of potential molecular mechanisms and genotoxicity of anti-cancer drugs using next generation knowledge discovery methods <i>Peter Natesan Pushparaj, Mahmood Rasool, Muhammad Imran Naseer, Kalamegam Gauthaman</i>                             | 988 |  |  |  |

| * | Complications of Therapeutic Plasma Exchange in pediatric patients:   | 994  |
|---|---|------|
|   | An experience at a tertiary care hospital<br>Tooba Fateen, Nighat Sultana, Muhammad Sarwar, Nazish Saqlain  | 554  |
| * | Blood product transfusion practices in pediatric critically<br>ill patients at a tertiary care hospital, Pakistan<br><i>Muhammad Rafique, Sharmeen Nasir, Amber Kamran, Ammarah Jamal</i>   | 999  |
| * | Significance of tumor markers combined with neutrophil to lymphocyte ratio,<br>D-dimer and T-lymphocyte in the diagnosis of colon cancer<br><i>Qianying Li, Shumei Geng, Xiaowei Zhang, Zilong Jia</i>  | 1003 |
| * | Clinical efficacy of breathing training combined with core stability training<br>in chronic nonspecific low back pain<br><i>Duoduo Yu, Yaming Yu, Qian Peng, Jingting Luo, Xu He</i>  | 1008 |
| * | Clinical efficacy of cognitive behavioral therapy combined with pinaverium bromide tablets on irritable bowel syndrome - Quanxi Liu, Yan Zhu, Wei Wang, Yongli Dong   | 1013 |
| * | Effectiveness of deep brain stimulation in Parkinson's disease<br>treatment with Single-center experience in Pakistan<br><i>Aurangzeb Kalhoro, Abdul Sattar M. Hashim</i>   | 1018 |
|   | Clinical changes of serum melatonin and ICAM-1 levels in patients<br>with basal ganglia hypertensive intracerebral hemorrhage<br><i>Hongbo Hou, Xin Li</i>  | 1024 |
| * | Four Decades of Foot and Ankle Research Activity: A Scientometric study of Subspecialty Foot and Ankle Journals<br>Yaohong Wu, Qin Chen, Rongchun Chen, Qi Luo  | 1029 |
| * | Late-onset pulmonary complications among survivors of Coronavirus Disease 2019<br>Mirza Muhammad Ayub Baig, Muhammad Adnan, Muhammad Usman Baig, Zohaib Ramzan  | 1035 |
|   | Effects of sodium hyaluronate administration on levels of antioxidant enzymes, serum substance P and neuropeptide Y in patients undergoing locking plate fixation for tibial plateau fractures - Lei Shan, Qin Si, Peifeng Yao                  | 1040 |
| * | Effects of Cognitive-Behavioral Therapy on Psychological Resilience,<br>Social Adaptation and Clinical Efficacy of Patients with Bone Tumors<br><i>Lei Gao, Weina Yu, Ce Wang</i>   | 1045 |
| * | Evaluation of postgraduate family medicine trainee's knowledge and attitude following an online Educational Module in Palliative Care: A descriptive study <i>Ismat Jabeen, Tayyabah Usman, Munazza Asad, Asra Qureshi, Muhammad Atif Waqar</i> | 1052 |
| * | Comparison of clinical effects of two surgical approaches<br>in the treatment of acetabular fractures<br><i>Bing Liu, Hongtao Shang, Guixian Dong, Ning Zhang, Shengjie Wang</i>  | 1057 |
| * | Efficacy and safety of intensity Modulated Radiation therapy combined with Concurrent Chemoradiotherapy in the treatment of Recurrent Cervical Cancer <i>Ge Jin, Kuixiu Li, Shuhuai Niu, Xiaomei Fan, Yunfeng Guo</i>                           | 1062 |
| * | Causal attributions of failure among post graduate medical residents<br>in exit fellowship examination in Pakistan: A qualitative study<br>Lamees Mahmood Malik, Tanzeela Khalid, Abid Ashar  | 1068 |
| * | Clinical effect and safety of targeted therapy combined with chemotherapy in the treatment of patients with advanced colon cancer <i>Tao Zhang, Zhi Liu, Qian Lin</i>   | 1074 |

| * | Weight variation increases the risk of death during the intensive phase of  | 1080 |
|---|---|------|
|   | treatment among MDR-TB patients: A retrospective study<br>Abdul Majeed Akhtar, Shamsa Kanwal, Sufia Majeed, Wasif Majeed  |      |
| * | Effect of comprehensive nursing intervention on the efficacy of spleen aminopeptide combined with aerosol inhalation in the treatment of pediatric pneumonia <i>Yuan Yue, Qian Liang, Lei Shi, Wen-jing Bai, Juan Fu</i>                                      | 1086 |
| * | Prevalence of diabetes mellitus in patients undergoing coronary artery bypass grafting in a Tertiary Care Hospital Bahauddin Khan, Mujeeb Ur Rehman, Mujahid Ul Islam, Imtiaz Ahmad   | 1091 |
| * | Correlation between GAL-3, Klotho, Calcium and Phosphorus Metabolism Indexes<br>and Cardiovascular Complications in patients with Chronic Kidney Disease<br>Zhe Li, Jian-Long Li, Qian Wang, Xing Fan, Yan Gao, Xue-Zhong Li                                  | 1095 |
| * | Rate of various access sites for temporary transvenous pacing and different outcomes at Lady Reading Hospital, Peshawar Pakistan <i>Muhammad Adil, Sher Bahadar Khan, Muhammad Shahbaz Khan, Zair Hassan</i>  | 1101 |
| * | Gegen Qinlian Decoction combined with Metformin for the treatment of patients with Type-2 Diabetes Mellitus: A retrospective observational study<br>Yingqi Chen, Xiazhi Zhou, Zixiang Jiang, Yinglian Liu   | 1108 |
| * | Efficacy and safety profile of Glucagon-Like Peptide-1 Receptor Agonist in obese Type-2 diabetes patients from a private institution in Karachi Saeeda Fouzia Qasim, Tasnim Ahsan, Saima Ghaus, Paras Imran   | 1113 |
| * | The proliferation and angiogenesis in hemangioma-derived endothelial cells is affected by STC2 medicated VEGFR2/Akt/eNOS pathway Shanshan Ren, Yuchang Yang   | 1119 |
| * | c.151dup variant in <i>LAMA3</i> in Pakistani patients affected with Shabbir<br>Syndrome but showing mild symptoms<br><i>Asmat Ullah, Fibhaa Syed, Shazia Khan</i>  | 1124 |
| * | Effect of clinical pharmacists participating in nutritional therapy for patients with acute cerebral infarction complicated with dysphagia <i>Lixin Wu, Haiyan Hou</i>  | 1129 |
| * | Health Related Quality of Life (HRQOL) in pediatric population after surgical intervention in traumatic lower limb injuries: A prospective cohort <i>Muhammad Mustafa Hashmi, Muhammad Rehan Akram, Fatima Naumeri, Muhammad Faizan Akram</i>                 | 1134 |
| * | Comparative study on the accuracy, safety and clinical effect of CT navigation<br>and traditional open screw placement in the Treatment of Thoracic Fracture<br>Yang Song, Yue Ma, Fan Li   | 1140 |
| * | Adherence with standard guidelines among doctors involved in aerosol generating procedures to control COVID-19 transmission <i>Madeeha Hassan, S H Waqar, Fatima Shahzad, Minhaj us Siraj</i>   | 1144 |
| * | Prediction of Hematoma Expansion in Hypertensive Intracerebral<br>Hemorrhage by a Radiomics Nomogram<br>Jialing Dai, Dan Liu, Xia Li, Yuyao Liu, Fang Wang, Quan Yang   | 1149 |
| S | YSTEMATIC REVIEW  |      |
| * | Comparison of outcomes of percutaneous coronary intervention for chronic total occlusion in patients with and without prior bypass grafting: A systematic review and meta-analysis - <i>Dewei Wang, Keyu Chen, Tinglin Xiong, Ling He, Wei Ni, Haoyu Wang</i> | 1156 |

| 5              | * Maternal and neonatal outcomes in women with twin pregnancies based on<br>gestational weight gain: An updated systematic review and meta-analysis<br>Xiaoyin Wang, Mei Yan, Zhou Xu, Lin Zhuang   | 1166 |  |  |
|----------------|---|------|--|--|
| ,              | * Role of Primary Care Physicians in management of Schizophrenia<br>in Low and Middle Income Countries (LMIC): A systematic review<br>Muhammad Firaz Khan, Zia ul-Haq, Mian Mukhtar ul Haq, Adil Afridi, Saeed Farooq   | 1178 |  |  |
| REVIEW ARTICLE |   |      |  |  |
| ,              | * Healthcare Simulation: An effective way of learning in health care<br>Munazza Saleem, Zuhera Khan   | 1185 |  |  |
| 1              | SPECIAL COMMUNICATION   |      |  |  |
| 5              | <ul> <li>Chat-GPT: Opportunities and Challenges in Child Mental Healthcare<br/>Nazish Imran, Aatega Hashmi, Ahad Imran</li> </ul>   | 1191 |  |  |
| ,              | * Pseudo-teams in Healthcare: The Perils of Impersonating a Cohesive Unit<br>Shankar Lal, Ehtesham Khan   | 1194 |  |  |
| 1              | SHORT COMMUNICATION   |      |  |  |
| -              | <ul> <li>Life before limb: What about life after limb loss? A perspective from a low<br/>middle class income country: A Surgical Perspective<br/>Nadeem Ahmed Siddiqui, Ammar Pirzada, Safna Naozer Virji</li> </ul>  | 1197 |  |  |
| ,              | * Improving patient safety during position changes under general<br>anaesthesia: "CHOPP check"- a new patient safety and educational tool<br>Kareem Hussein, Shankar Lal, Michael Moore, Irene Leonard  | 1199 |  |  |
| ,              | * The quality of life of HIV positive Transgender and<br>homosexual population in Karachi, Pakistan<br>Aneela Hussain, Anum Rahim, Fozia Rajput   | 1202 |  |  |
|                | CASE REPORT   |      |  |  |
| ,              | <ul> <li>Post-Cardiac arrest targeted temperature management in a parturient<br/>with severe COVID-19 disease</li> <li>Ali Eman, Onur Balaban, Kezban Özmen Süner, Bora Özgün</li> </ul>  | 1208 |  |  |
| 5              | <ul> <li>Lipoid Proteinosis: Identification of a Novel Nonsense Mutation</li> <li>c.1246C&gt;T:p.R416X in ECM1 gene from Bangladesh</li> <li>Md. Azraf Hossain Khan, Md. Abu Reza, Ibrahim Md. Sharaf, Md. Jahangir Alam,</li> <li>Md. Mostafizur Rahman, Pampa Chandra, Kazi Selim Anwar, Md. Abdus Salam</li> </ul> | 1212 |  |  |
| 0              | CORRESSPONDENCE   |      |  |  |
| ,              | * Who's to blame for central venous stenosis<br>Xiaodong Li, Shuangyan Liu  | 1216 |  |  |
| 5              | * A new promising biological agent for refractory lupus nephritis: Telitacicept<br>Shuangyan Liu, Xiangyue Yu, Xiaodong Li  | 1217 |  |  |
| 1              | * How Undergraduates Perceive Stress Factors: An exploratory study<br>Manabu Murakami, Akiko Takeuchi, Shigeki Jin, Kotaro Matoba   | 1219 |  |  |
| ,              | <ul> <li>* Rare bleeding disorders in Pakistan – a call for exploration!</li> <li>Hamza Khan</li> </ul>   | 1221 |  |  |
| 4              | ACKNOWLEDGEMENT   |      |  |  |
| *              | <ul> <li>Acknowledgement of Reviewers for the Issue of July - August 2023</li> </ul>  | 1222 |  |  |