

Dr. Lena Jafri

Section of Chemical Pathology

Department of Pathology and Laboratory Medicine

SUMMARY:

Publication	64
Book Chapters	3
Contributions to reports, guidelines, and policy documents:	1

PUBLICATION:**Year 2023**

1. Assessing the knowledge, attitude and practice of osteoporosis among Pakistani women: A national social-media based survey. Ahmed S, Farooqui AJ, Pradhan NA, Zehra N, Majid H, **Jafri L** and Khan AH. PLoS One. 2023 Nov 10;18(11):e0288057. DOI: [10.1371/journal.pone.0288057](https://doi.org/10.1371/journal.pone.0288057)
2. Indirect Reference Intervals of Serum Calcium in Pakistani Children Using KOSMIC, Bhattacharya, and Hoffman Approach. Ahmed S, Agravatt AK, Siddiqui A, **Jafri L** and Siddiqui I. Clin Lab. 2023 Sep 1;69(9). DOI: [10.7754/Clin.Lab.2023.230305](https://doi.org/10.7754/Clin.Lab.2023.230305)
3. Factors Associated With Awareness Of Literate Mothers About Newborn Screening: A Cross-Sectional Study From A Low-Middle-Income Country. Majid H, **Jafri L**, Farooqui AJ, Ahmed S, Nisa Khan ZU and Khan AH. J Pak Med Assoc. 2023 Sep;73(9):1805-1810. DOI: [10.47391/JPMA.7004](https://doi.org/10.47391/JPMA.7004)
4. Sequence variants in the BTD underlying biotinidase deficiency in families of Pakistani origin. Moatter T, Ahmed S, Majid H, **Jafri L**, Bilal M, Najumuddin, Faisal and Khan AH. J Gene Med. 2023 Sep 26:e3597. DOI: [10.1002/jgm.3597](https://doi.org/10.1002/jgm.3597)
5. An Evaluation of the new 2021 Creatinine-Based Equation for Estimating Glomerular Filtration Rate (eGFR) in Pakistanis. Ahmed S, Yaqub S, Siddiqui A and **Jafri L**. Clin Lab. 2023 Aug 1;69(8). DOI: [10.7754/Clin.Lab.2023.230105](https://doi.org/10.7754/Clin.Lab.2023.230105)
6. A framework for implementing best laboratory practices for non-integrated point of care tests in low resource settings. **Jafri L**, Ahmed S, Majid H, Ghani F, Pillay T, Khan AH, Siddiqui I, Shakeel S, Ahmed S, Azeem S and Khan A. EJIFCC. 2023 Jul 10;34(2):110-122. PMCID: [PMC10349313](https://pubmed.ncbi.nlm.nih.gov/PMC10349313/)
7. Interleukin-6 (IL-6) as a Predictor of Clinical Outcomes in Patients with COVID-19. Mahmood SBZ, Majid H, Arshad A, Zaib-Un-Nisa, Niazali N, Kazi K, Aslam A, Ahmed S, Jamil B, and **Jafri L**. Clin Lab. 2023 Jun 1;69(6). DOI: [10.7754/Clin.Lab.2022.220741](https://doi.org/10.7754/Clin.Lab.2022.220741)
8. GRADE-ADOLOPMENT of clinical practice guideline for postmenopausal osteoporosis management-a Pakistani context. Nadeem S, Pervez A, Abid MA, Khalid RN, Rizvi NA, Aamdani SS, Ayub B, Mustafa MA, Ahmed S, Riaz M, Irfan K, Noordin S, **Jafri L**, Majid H, Umer M, Zehra N, Sheikh A, Haider AH and Khan AH. Arch Osteoporos. 2023 May 19;18(1):71. DOI: [10.1007/s11657-023-01258-2](https://doi.org/10.1007/s11657-023-01258-2).
9. Metabolomics of a neonatal cohort from the Alliance for Maternal and Newborn Health Improvement biorepository: Effect of preanalytical variables on reference intervals. **Jafri L**, Khan AH, Ilyas M, Nisar I, Khalid J, Majid H, Hotwani A and Jehan F. PLoS One. 2023 Jan 6;18(1):e0279931. DOI: [10.1371/journal.pone.0279931](https://doi.org/10.1371/journal.pone.0279931)

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11. An Urgent Need for Local Guidelines to Address Phosphate Homeostasis in Children with Transfusion-dependent β -thalassemia Major. **Jafri L**, Farooqui AJ and Khan AH. J Coll Physicians Surg Pak. 2022 Sep;32(9):1235. DOI: [10.29271/jcpsp.2022.09.1235](https://doi.org/10.29271/jcpsp.2022.09.1235).
12. Development of a virtual classroom for pre-analytical phase of laboratory medicine for undergraduate medical students using the Delphi technique. **Jafri L**, Abid MA, Rehman J, Ahmed S, Abbas G, Ali H, Kanani F, Ali U, Alavi N, Aslam F, Iqbal S, Ijaz A, Munir MU, Dildar S, Nawaz SH, Adnan K, Khan AH, Zubairi AM and Siddiqui I. PloS one. 2022 April; 17(4), e0264447. <https://doi.org/10.1371/journal.pone.0264447>.
13. Paradigm shifts in Vitamin D testing and diagnosis: A decade-long observational study. Majid H, Zehra N, **Jafri L**, Abid MA, Muneer S and Khan A. Pakistan Journal of Pathology. 2022;33(1). <https://doi.org/10.55629/pakjpathol.v33i1.690>.
14. Biotin-responsive Multiple Carboxylase Deficiency (MCD). Majid H, Ahmed S, Muneer S, Hamid R, **Jafri L** and Khan AH. J Coll Physicians Surg Pak. 2022 Jun;32(6):823-825. DOI: [10.29271/jcpsp.2022.06.823](https://doi.org/10.29271/jcpsp.2022.06.823).
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17. A surrogate FRAX model for Pakistan. Naureen G, Johansson H, Iqbal R, **Jafri L**, Khan AH, Umer M, Liu E, Vandenput L, Lorentzon M, Harvey NC, McCloskey EV. Arch Osteoporos. 2021 Feb 17;16(1): 34. doi: [10.1007/s11657-021-00894-w](https://doi.org/10.1007/s11657-021-00894-w).
18. X-linked hypophosphatemic osteomalacia with PHEX mutation presenting late in Pakistan. Zehra N, **Jafri L**, Kirmani S, Khan AH. Ann Med Surg (Lond). 2021 Jan 22; 62:244-248. doi: [10.1016/j.amsu.2021.01.067](https://doi.org/10.1016/j.amsu.2021.01.067).

Year 2020

19. Calcaneal ultrasound and its relation to dietary and lifestyle factors, anthropometry, and Vitamin D deficiency in young medical students. **Jafri L**, Majid H, Ahmed S, Naureen G, Khan AH. Frontiers in Endocrinology. Front Endocrinol (Lausanne). 2020; 11: 601562. doi: [10.3389/fendo.2020.601562](https://doi.org/10.3389/fendo.2020.601562).
20. Fostering Teaching-Learning through Workplace Based Assessment in Postgraduate Chemical Pathology Residency Program Using Virtual Learning Environment. **Jafri L**, Siddiqui I, Khan AH, Tariq M, Effendi MU, Naseem A, Ahmed S, Ghani F, Alidina S, Shah N, Majid H. BMC Med Educ. 2020; 20: 383. doi: [10.1186/s12909-020-02299-8](https://doi.org/10.1186/s12909-020-02299-8).

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23. Clinical Spectrum in a Cohort of Patients with High Fecal Calprotectin Levels. **Jafri L**, Siddiqui A, Siddique S, Parkash O, Kausar R, Majid H. Cureus. 2020 Nov;12(11). DOI: [10.7759/cureus.11314](https://doi.org/10.7759/cureus.11314).
24. Vitamin D deficiency in critically ill patients: a single center cross-sectional study. Arbab K, Majid H, **Jafri L**, Khan AH, Hashmi M. Pakistan Armed Forces Medical Journal. 2020 Jun 30;70(3):765-69. <https://www.pafmj.org/index.php/PAFMJ/article/view/4657>.
25. Challenges amid COVID-19 times-Review of the changing practices in a clinical chemistry laboratory from a developing country. Ahmed S, **Jafri L**, Majid H, Khan AH, Ghani F, Siddiqui I. Ann Med Surg (Lond). 2020 Jun 6; 55:300-304. doi: [10.1016/j.amsu.2020.06.004](https://doi.org/10.1016/j.amsu.2020.06.004).
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27. Kidney stone analysis and spiritual guides (pir faqir): the known unknowns. **Jafri L**, Khan AH, Asif H. J Pak Med Assoc. 2020 Jan;70(1):196. doi: [10.5455/JPMA.50420](https://doi.org/10.5455/JPMA.50420).

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28. Iodine Deficiency in Neonates: Where Do We Stand After a Quarter Century of Initiating Iodization Programs? **Jafri L**, Majid H, Ahmed S, Siddiqui I, Ghani F and Khan AH. Lab Med Online. 2019 January 9(4):232. DOI:[10.3343/lmo.2019.9.4.232](https://doi.org/10.3343/lmo.2019.9.4.232).
29. Polymorphisms in the GC Gene for Vitamin D Binding Protein and Their Association with Vitamin D and Bone Mass in Young Adults. Khan AH, **Jafri L**, Siddiqui A, Naureen G, Morris H, Moatter T. J Coll Physicians Surg Pak. 2019 Aug;29(8):715-719. doi: [10.29271/jcpsp.2019.08.715](https://doi.org/10.29271/jcpsp.2019.08.715).
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34. Retrospective Study of Patients with Hyperphenylalaninemia- Experience from a Tertiary Care Center in Pakistan. Ahmed S, Majid H, **Jafri L**, Khan AH, Ali ZZ, Afroze B. J Pak Med Assoc. 2019 Apr;69(4):509-513.
35. Performance Evaluation of Cardiac Troponin I Assay: A Comparison Between the Point-of-care Testing Radiometer AQT90 FLEX and the Central Laboratory Siemens Advia

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40. Diagnostic dilemma of patients with methylmalonic aciduria: Experience from a tertiary care centre in Pakistan. Majid H, **Jafri L**, Khan AH, Ali ZZ, Jamil A, Yusufzai N, Fatimah M, Afroze B. J Pak Med Assoc. 2018; 68: 510-514.
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51. Selective Screening for Organic Acidurias and Amino Acidopathies in Pakistani Children. Sherazi N, Khan AH, **Jafri L**, Jamil A, Khan NA and Afroze B. J Coll Physicians Surg Pak. 2017 Apr; 27(4):218-221.

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Year 2015

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Year 2013

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YEAR 2011

62. Automated reporting of estimated glomerular filtration rate: a comparison of creatinine clearance, modification of diet in renal disease and Cockcroft Gault equations from Pakistan. **Jafri L**, Khan AH, Hussain A, Ghani F, Siddiqui I. Br J Med Res. 2011 Aug 1(4):445-458. DOI: [10.9734/BJMMR/2011/422](https://doi.org/10.9734/BJMMR/2011/422).
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BOOK CHAPTERS:

1. **Lena Jafri**, Farooq Ghani and Imran Siddiqui (Authors). Effect of renal dysfunction on plasma natriuretic peptides levels, LAMBERT Academic Publishing. ISBN number: 978-3659776298, 2015.
2. **Lena Jafri (contributor to chapter 14)**: 'Chemical Pathology for the Beginners' a book by Pakistan Society of Chemical Pathologist (PSCP), 2018.
3. **Lena Jafri (contributor)**: Editor Prof (Brig) Aamir Ijaz. Quick Assessment of Data Interpretation Skills in Metabolic Disorders 2016. Joint publication of Armed Forces Institute of Pathology (AFIP)/ National University of Medical Sciences (NUMS) & Pakistan Society of Chemical Pathologist (PSCP)- Zaheer Art Press; Rawalpindi. Electronic Version available: <http://www.pscp.org.pk/>. 2016.

CONTRIBUTIONS TO REPORTS, GUIDELINES AND POLICY DOCUMENTS:

1. Developed Guidelines of Workplace based assessment (WBA) and successfully implemented in curriculum in Chemical Pathology Residency Program, at College of Physicians and Surgeons Pakistan, 2021