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SUMMARY:

Publication	28
Book Chapters	02
Contributions to reports, guidelines, and policy documents:	00

PUBLICATION:

Year 2023:

1. Outcomes of Patients with FLT3 Positive Acute Myeloid Leukaemia; an Experience from a Tertiary Care Hospital in Karachi, Pakistan. Zulfiqar M, Ali N, Shaikh U, Jehanzeb H, Arif S, Khan ZF, Saeed N, and **Ansar Z**. J Cancer Allied Spec. 2023 Aug 13;9(2):553. DOI: [10.37029/jcas.v9i2.553](https://doi.org/10.37029/jcas.v9i2.553)
2. Experience in prenatal genetic testing and reproductive decision-making for monogenic disorders from a single tertiary care genetics clinic in a low-middle income country. Hanif A, Akbar F, Kirmani S, Jaffarali A, Zainab G, Malik A, **Ansar Z** and Afroze B. BMC Pregnancy Childbirth. 2023 Jun 10;23(1):431. DOI: [10.1186/s12884-023-05698-z](https://doi.org/10.1186/s12884-023-05698-z)
3. Tracking SARS-CoV-2 variants through pandemic waves using RT-PCR testing in low-resource settings. Nasir A, Aamir UB, Kanji A, Bukhari AR, **Ansar Z**, Ghanchi NK, Masood KI, Samreen A, Islam N, Ghani S, Syed MA, Wassan M, Mahmood SF and Hasan Z. PLOS Glob Public Health. 2023 Jun 1;3(6):e0001896. DOI: [10.1371/journal.pgph.0001896](https://doi.org/10.1371/journal.pgph.0001896)

Year 2022

4. Evolutionary history and introduction of SARS-CoV-2 Alpha VOC/B.1.1.7 in Pakistan through international travelers. Nasir A, Bukhari AR, Trovão NS, Thielen PM, Kanji A, Mahmood SF, Ghanchi NK, **Ahmed ZA**, Merritt B, Mehoke T, Razzak SA, Syed MA, Shaikh SR, Wassan M, Aamir UB, Baele G, Rasmussen Z, Spiro D, Hasan R and Hasan Z. Virus Evol. 2022 Mar 17;8(1):veac020. DOI: [10.1093/ve/veac020](https://doi.org/10.1093/ve/veac020).

Year 2021:

5. The association of chest radiographic findings and severity scoring with clinical outcomes in patients with COVID-19 presenting to the emergency department of a tertiary care hospital in Pakistan. Kaleemi R, Hilal K, Arshad A, Martins RS, Nankani A, Tu H, Basharat S and **Ahmed ZA**. PLoS One. 2021 Jan 05;16(1): e0244886. DOI: [10.1371/journal.pone.0244886](https://doi.org/10.1371/journal.pone.0244886).
6. Evaluation of serum ferritin for prediction of severity and mortality in COVID-19- A cross sectional study. Ahmed S, **Ahmed ZA**, Siddiqui I, Rashid NH, Mansoor M, Lena Jafri L. Ann Med Surg (Lond). 2021 Mar; 63:102163. [doi:10.1016/j.amsu.2021.02.009](https://doi.org/10.1016/j.amsu.2021.02.009).
7. Philadelphia chromosome positive chronic myeloid leukemia with 5q deletion at

- diagnosis. Haidary AM, **Ahmed ZA**, Ghafar JA, Rahmani S, Sarah Noor S, Erfani F, Ahmad M, Lakanwall N, Malakzai HA, Ibrahimkhil AS, Esmat E, Haidari M, Yousufzai N, Sharif S, Saqib AH. *Mol Cytogenet.* 2021 Mar 8;14(1):16. [doi: 10.1186/s13039-021-00539-0](https://doi.org/10.1186/s13039-021-00539-0).
8. Discrepancy between PCR based SARS-CoV-2 tests suggests the need to re-evaluate diagnostic assays. Mushtaq Z, Shakoor S, Kanji A, Shaheen N, Nasir A, **Ahmed ZA**, Ahmed I, Mahmood SF, Hasan R, Hasan Z. *Research square.* 2021 May 25; 14(1): 316. [DOI:10.21203/rs.3.rs-551208/v1](https://doi.org/10.21203/rs.3.rs-551208/v1).
 9. Karyotypic Profile of Chronic Myeloid Leukemia in Patients Diagnosed at Tertiary Level in Afghanistan. Haidary AM, Saqib AH, Sharif S, Yousufzai AW, Nasir N, Noor S, Rasooli AJ, Zahier AS, Saadat R, Malakzai HA, Ibrahimkhil AS, Ahmad M, **Ahmed ZA**. *Arch Mol Biol Genet.* 2021;1(1). DOI:[10.1097/01.hs9.0000850456.72817.89](https://doi.org/10.1097/01.hs9.0000850456.72817.89).
 10. Higher entropy observed in SARS-CoV-2 genomes from the first COVID-19 wave in Pakistan. Ghanchi NK, Nasir A, Masood KI, Abidi SH, Mahmood SF, Kanji A, Razzak S, Khan WU, Shahid S, Yameen M, Raza A, Ashraf J, **Ahmed ZA**, Dharejo MB, Islam N, Hasan Z and Hasan R. *PLoS One.* 2021 Aug 31;16(8): e0256451. Doi: 10.1371/journal.pone.0256451. <https://doi.org/10.1371/journal.pone.0256451>.
 11. Molecular Epidemiology of BCR-ABL Rearrangement Variants in Chronic Myeloid Leukemia and Acute Lymphocytic Leukemia from Major Institute of Pakistan. Raza HA, Shaikh MS, Hayat MH, Ansari H, Rashid HB, Moatter T and **Ahmed ZA**. *J Blood Lymph.* 2021; 11: 8.
 12. A cross sectional evaluation of the corona-score for swift identification of SARS-CoV-2 infection at a tertiary care hospital in Pakistan. Ahmed S, Effendi MUN, **Ahmed ZA**, Siddiqui I, Jafri L. *Ann Med Surg (Lond).* 2021 Jul; 67:102537. Doi: 10.1016/j.amsu.2021.102537. <https://doi.org/10.1016/j.amsu.2021.102537>.
 13. Rare additional chromosomal abnormalities in acute promyelocytic leukaemia resulting in rapidly fatal disease: report of a case. Haidary AM, Noor S, Noor S, Ahmad M, Yousufzai AW, Sadat R, **Ahmed ZA**, Rasooli AJ, Zahier AS, Malakzai HA, Ibrahimkhil AS, Sharif S, Anwari MS, Saqib AH, Tawab Baryali TB, Nasir N. DOI: 10.1002/jha2.349, [wileyonlinelibrary.com/journal/jha2](https://www.wileyonlinelibrary.com/journal/jha2). Feb 2021; 3(1): 218-222. <https://doi.org/10.1002/jha2.349>.
 14. Ups and downs of COVID-19: can we predict the future? Local analysis with Google Trends for forecasting the burden of COVID-19 in Pakistan. Ahmed S, Abid MA, Oliveira MSD, **Ahmed ZA**, Siddiqui A, Siddiqui I, Jafri L and Lippi G. ISSN 1650-3414. 2021;32(4):421-431. PMCID: [PMC8751396](https://pubmed.ncbi.nlm.nih.gov/38751396/).
 15. Procalcitonin as a predictor of severity and mortality in a cohort of patients hospitalized with COVID-19. Ahmed S, Ahmed ZA, Rashid NH, Mansoor M, Siddiqui I and Jafri L. *The Malaysian journal of pathology.* 2021;43(3), 375–380.

Year 2020

16. SARS-CoV-2 genome analysis of strains in Pakistan reveals GH, S and L clade strains at the start of the pandemic. Ghanchi NK, Masood KI, Nasir A, Khan WU, Abidi SH, Shahid, S, Mahmood SF, Kanji A, Razzak S, **Ahmed ZA**, Islam N, Dharejo MB, Hasan Z, Hasan R. bioRxiv 2020.08.04.234153; doi: <https://doi.org/10.1101/2020.08.04.234153>.

Year 2019

17. Current laboratory techniques commonly used for the detection of molecular biomarkers and potential technologies on the horizon. Shaikh MS, **Ahmed ZA**. 2019 Jul, J Pak Med Assoc. 2019 Jul;69(7):1063.
18. MLPA Analyses Reveal a Spectrum of Dystrophin Gene Deletions/Duplications in Pakistani Patients Suspected of Having Duchenne/Becker Muscular Dystrophy: A Retrospective Study. **Ahmed ZA**, Nasir A, Moatter T, Khan S, Kirmani S, Ibrahim I, Imam K, Ather A, Samreen A, Hasan Z. Genet Test Mol Biomarker. 2019 Jul;23(7):468-472. doi: [10.1089/gtmb.2018.0262](https://doi.org/10.1089/gtmb.2018.0262).

Year 2018

19. De Novo Complex Translocation 9; 22; 19 (Variant Philadelphia+) in Myelodysplastic Syndrome with Excess Blasts: A Case Report. **Ahmed ZA**, Shaikh MS, Khalid A, Moiz B, Moatter T. J Blood Lymph. 2018; 8(1): 196. DOI:[10.4172/2165-7831.1000196](https://doi.org/10.4172/2165-7831.1000196).
20. Prenatal Diagnosis of Dystrophin Gene Mutations using Multiplex Ligation Dependent Probe Amplification (MLPA) for Duchene Muscular Dystrophy. Nasir A, **Ahmed ZA**, Munim S et al. Biomedical Journal of Scientific & Technical Research, Biomedical Research Network+, LLC. 2018 December;12(3), pages 1-3. DOI: [10.26717/BJSTR.2018.12.002251](https://doi.org/10.26717/BJSTR.2018.12.002251).
21. Distribution of Chromosomal Abnormalities Commonly Observed in Adult Acute Myeloid Leukemia in Pakistan as Predictors of Prognosis. Shaikh MS, **Ahmed ZA**, Shaikh MU, Adil SN, Khurshid M, Moatter T, Rashid A, Karim F, Raheem A, Ali N. Asian Pac J Cancer Prev. 2018 Jul 27;19(7): 1903-1906. doi: [10.22034/APJCP.2018.19.7.1903](https://doi.org/10.22034/APJCP.2018.19.7.1903).
22. Adequacy of platelet counting by automated hematology analyzers: An insight on current methodologies. Shaikh MS, Khan NR, and **Ahmed ZA**. J Pak Med Assoc. 2018 Apr;68(4):675-676.
23. Pattern of bone marrow involvement in non-Hodgkin's lymphoma classified according to WHO classification: Report of a developing country Pakistan. Sultan S, Baloch N, **Ahmed ZA**, Irfan SM, Parveen S. J Lab Physicians. Jan-Mar 2018;10(1): 17-20. doi: [10.4103/JLP.JLP_9_17](https://doi.org/10.4103/JLP.JLP_9_17).

Year 2017

24. Case Series of Naegleria fowleri Primary Ameobic Meningoencephalitis from Karachi,

Pakistan. Ghanchi NK, Jamil B, Khan E, **Ahmed ZA**, Samreen A, Zafar A, Hasan Z. Am J Trop Med Hyg. 2017 Nov;97(5):1600-1602. [doi: 10.4269/ajtmh.17-0110](https://doi.org/10.4269/ajtmh.17-0110).

Year 2016

25. Clinico-Pathological Profile and Outcomes of Patients with Polycythaemia Vera, Essential Thrombocythemia and Idiopathic Myelofibrosis: A Tertiary Care Center Experience from Southern Pakistan. Shaikh MS, Shaikh MU, Adil SN, Khurshid M and **Ahmed ZA**. J Ayub Med Coll Abbottabad. Apr-Jun 2016;28(2):293-297.
26. Assessment of WT1 Expression as a Marker of Treatment Outcome in Karyotype Normal Acute Myeloid Leukemia Patients in Pakistan. **Ahmed ZA**, Shaikh MS and Moatter T. Journal of the College of Physicians and Surgeons Pakistan. 2016 May;26(5):441-2.

Year 2014

27. Distribution of EGFR mutations commonly observed in primary lung adenocarcinomas in Pakistan as predictors for targeted therapy. **Ahmed ZA**, Moatter T, Siddiqui A, Pervez S. Asian Pac J Cancer Prev. 2014;15(17):7125-8. [doi: 10.7314/apjcp.2014.15.17.7125](https://doi.org/10.7314/apjcp.2014.15.17.7125).
28. Tyrosine kinase inhibitors in cancer therapeutics: great expectations from small molecules. **Ahmed ZA**, Tariq Moatter T. Journal of the College of Physicians and Surgeons Pakistan. 2014 Jul;24(7):453-4.

BOOK CHAPTERS:

1. Therapeutic Targets and Signaling Pathways for Diagnosis of Myeloma, Update on Multiple Myeloma, Khalid Ahmed Al-Anazi, IntechOpen, ISBN 978-1-78985-218-9. <https://www.intechopen.com/books/update-on-multiple-myeloma/therapeutic-targets-and-signaling-pathways-for-diagnosis-of-myeloma>
2. Book Chapter, "Genomics of Acute Myeloid Leukemia "Myeloid Leukemia", ISBN 978-953-51-575.