

Dr. Aysha Habib Khan

Section of Chemical Pathology

Department of Pathology and Laboratory Medicine

SUMMARY:

Publication	135
Book Chapters	05
CONTRIBUTIONS TO REPORTS, GUIDELINES, AND POLICY DOCUMENTS:	18
RESEARCH GRANTS	
As Principal Investigator	
As Co-Investigator	05
As Supervisor	10
	10

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. 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)
3. 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)
4. Editorial: Recent advances in vitamin D supplementation for improved reproductive endocrine and metabolic parameters. Alam F, **Khan AH**, Baig M and Rehman R. Front Endocrinol (Lausanne). 2023 Aug 18;14:1251388. DOI: [10.3389/fendo.2023.1251388](https://doi.org/10.3389/fendo.2023.1251388)
5. Prevalence of familial hypercholesterolemia in a country-wide laboratory network in Pakistan: 10-year data from 988, 306 patients. Farhad A, Noorali AA, Tajuddin S, Khan SD, Ali M, Chunara R, **Khan AH**, Zafar A, Merchant A, Bokhari SS, Virani SS and Samad Z. Prog Cardiovasc Dis. 2023 Jul-Aug;79:19-27. DOI: [10.1016/j.pcad.2023.07.007](https://doi.org/10.1016/j.pcad.2023.07.007)
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. PMID: [PMC10349313](https://pubmed.ncbi.nlm.nih.gov/39313/)

7. Burden of ocular abnormalities in patients with beta thalassaemia: a cross-sectional study. Baig R, Zahid N, Kausar F, **Khan AH**, et al. BMJ Open Ophthalmology. 2023 July;8:e001293. doi: [10.1136/bmjophth-2023-001293](https://doi.org/10.1136/bmjophth-2023-001293)
8. Efficacy of vitamin D supplementation and metformin compared to metformin alone in infertile females with polycystic ovary syndrome: a randomized open label trial., Rehman R, Naz S, Khan HN, **Khan AH** et al. 19 May 2023. <https://doi.org/10.21203/rs.3.pex-2199/v1>
9. GRADE-ADOLOPMENT of clinical practice guideline for postmenopausal osteoporosis management—a Pakistani context. Nadeem S, Pervez A Abid, MA, **Khan AH** et al. Arch Osteoporos. 2023 May;18:71. <https://doi.org/10.1007/s11657-023-01258-2>.
10. Virtual Learning Environment to Develop Specimen Collection Skills for Dried Blood Spots. Majid H, Jafri L, Rehman S, **Khan AH** et al. 19 March 2023.
11. Inappropriate supplementation of Vitamin D can result in toxicity: a cross sectional study of pediatrics population. Shamim N, Majid H, Khemani S, Salim M, Muneer S and **Khan AH**. J Pak Med Assoc. 2023 Mar;73(3):500-504. DOI: [10.47391/JPMA.5512](https://doi.org/10.47391/JPMA.5512).
12. Neutrophil Gelatinase-Associated Lipocalin as a Predictor of Acute Kidney Injury in Children With Shock: A Prospective Study. Abbas Q, Laghari P, Jurair H, Nafis J, Saeed B, Qazi MF, Saleem A, Khan AHH, Haque A. Cureus. 2023 Jan 30;15(1):e34407. DOI: [10.7759/cureus.34407](https://doi.org/10.7759/cureus.34407)
13. 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)

Year 2022

14. 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).
15. Spectrum of Cystic Fibrosis Conductance Regulator Gene Mutations Reported in Pakistani Descent Cystic Fibrosis Patients. Majid H, **Khan AH**, Hashmi SB, Moatter T, Nasir A. J Coll Physicians Surg Pak. 2022 Aug;32(8):1042-1046. DOI: [10.29271/jcpsp.2022.08.1042](https://doi.org/10.29271/jcpsp.2022.08.1042).

16. Disease activity correlates and functionality in patients with rheumatoid arthritis – real-world experience from a South Asian country. Nasir N, Majid H, **Khan AH**, Awan S, and Riaz MM. *Reumatologia*. 2022; 60, 3: 183–191. DOI: <https://doi.org/10.5114/reum.2022.117838>.
17. Publication dynamics: what can be done to eliminate barriers to publishing full manuscripts by the postgraduate trainees of a low-middle income country? Majid H, Jafri L, Ahmed S, Abid MA, Aamir M, Ijaz A, **Khan AH** and Siddiqui I. *BMC Research Notes*. 2022 Jul 15;15(1):249. <https://doi.org/10.1186/s13104-022-06138-5>.
18. Reference Intervals of Serum TSH from Mixed Distributions Using Truncation Points, and the Kolmogorov-Smirnov Distance. Ahmed S, Zierk J, **Khan AH**, Jafri L, Majid H, Ghani F and Siddiqui I. *Clin. Lab*. 2022 Jul 68;1. DOI: [10.7754/Clin.Lab.2021.210833](https://doi.org/10.7754/Clin.Lab.2021.210833).
19. 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).
20. 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, SH Nawaz, K Adnan, **Khan AH**, Zubairi AM and Siddiqui I. *PloS one*. 2022 April; 17(4), e0264447. <https://doi.org/10.1371/journal.pone.0264447>.
21. Urinary metabolomics using gas chromatography-mass spectrometry: potential biomarkers for autism spectrum disorder. Khan ZUN, Chand P, Majid H, Ahmed S, **Khan AH**, Jamil A, Ejaz S, Wasim A, Khan KA, Jafri L. *BMC Neurol*. 2022 Mar 17;22(1):101. <https://doi.org/10.1186/s12883-022-02630-4>.
22. Development and validation of standard and real patient gallstone library using Fourier transform infra-red spectroscopy. Jafri L, Abid MAA, Asif H, Hashmi B, Majid H, Ghani F, Ahmed S, Siddiqui I and **Khan AH**. *BMC Gastroenterol*. 2022;22:146. <https://doi.org/10.1186/s12876-022-02227-8>.
23. Paradigm shifts in vitamin D testing and diagnosis: A decade-long observational study. Majid H, Zehra N, Jafri L, Abid MA, Muneer S, **Khan AH**. *Pak J Pathol*. 2022; 33(1): 1-4. DOI: 10.55629/pakjpathol.v33i1.690. <https://doi.org/10.55629/pakjpathol.v33i1.690>.
24. Perspective on newborn screening (NBS): Evidence sharing on conditions to be included in NBS in Pakistan. Majid H, Jafri L, Ahmed S, Humayun K, Kirmani S, Ali N, Moiz B, **Khan AH**, Afroze B. *Journal of the Pakistan Medical Association*. 2022 Feb 3;72(3). <https://doi.org/10.47391/JPMA.01181>.
25. Practices of vitamin D supplementation leading to vitamin D toxicity: Experience from a Low-Middle Income Country. Muneer S, Siddiqui I, Majid H, Zehra N, Jafri L, **Khan AH**. *Annals of Medicine and Surgery*. 2022 Jan 5;73:103227. <https://doi.org/10.1016/j.amsu.2021.103227>.

Year 2021

26. Musculoskeletal manifestations in Alkaptonuria A cross-sectional study. **Khan AH**, Afroze B, Majid H, Zaidi Y, Jamil A, Jafri L. *Medicine*. 2021 Dec 23;100(51): e28241. DOI: [10.1097/MD.0000000000002824](https://doi.org/10.1097/MD.0000000000002824). <https://pubmed.ncbi.nlm.nih.gov/34941093/>.
27. FRAX-based intervention thresholds for Pakistan. Johansson H, Naureen G, Iqbal R, Jafri L, **Khan AH**, Umer M, Liu E, Vandemput L, Lorentzon M, McCloskey EV, Kanis JA. *Osteoporosis International*. 2021 Aug 20;1-8. DOI: [10.1007/s00198-021-06087-y](https://doi.org/10.1007/s00198-021-06087-y).

- <https://pubmed.ncbi.nlm.nih.gov/34414463/>.
28. Vitamin-D Supplementation in COVID-19: Existing Evidence and Gap in Literature. Abid MA, Majid H, **Khan AH**. Journal of the College of Physicians and Surgeons Pakistan. 2021, Vol. 31 (Supplement 3 COVID-19): S152-S154. <https://jcpsp.pk/article-detail/vitamind-supplementation-in-covid19-existing-evidence-and-gap-in-literature>.
 29. Editorial: Vitamin D Deficiency and Sufficiency in Reproduction and Bone Metabolism. R Rehman, F Alam, M Baig, **Khan AH**, Ahmed N. Frontiers in Endocrinology. 2021 September 06. doi:10.3389/fendo.2021.740021. <https://www.frontiersin.org/articles/10.3389/fendo.2021.740021/full>.
 30. Establishing reference interval for thyroid stimulating hormone in children below two-year ages in Pakistani population. Muneer S, Siddiqui I, Majid H, Jafri L, Humayun KN, Ahmed S, **Khan AH**. Annals of Medicine & Surgery. 2021 Jul 31; 68:102601. DOI: [10.1016/j.amsu.2021.102601](https://pubmed.ncbi.nlm.nih.gov/34401122/). <https://pubmed.ncbi.nlm.nih.gov/34401122/>.
 31. Need for Clinical Guidelines for Management of Osteoporosis and Way Forward for Pakistan. **Khan AH**, Chandran M. Journal of the College of Physicians and Surgeons Pakistan. 2021 April: 31(04); 371-372. <https://jcpsp.pk/article-detail/need-for-clinical-guidelines-for-management-of-osteoporosis-and-way-forward-for-pakistan>.
 32. Determining Bone Turnover Status in Patients with Chronic Liver Disease. Bukhari T, Jafri L, Majid H, **Khan AH**, Siddiqui I. Cureus. 2021 April; 13 (4). <https://www.cureus.com/articles/42980-determining-bone-turnover-status-in-patients-with-chronic-liver-disease>.
 33. Diagnostic Accuracy of the Forns Score for Liver Cirrhosis in Patients with Chronic Viral Hepatitis. Bukhari T, Jafri L, Majid H, Ahmed S, **Khan AH**, Abid S, Raza A, Siddiqui I. Cureus. 2021 Apr 13;13(4):e14477. <https://pubmed.ncbi.nlm.nih.gov/33996335/>.
 34. Vitamin D and COVID-19: is there a role? **Khan AH**, Nasir N, Nasir N, Maha Q, Rehman R. Journal of Diabetes & Metabolic Disorders. 2021 Mar 29;20(1):1-8. <https://doi.org/10.1007/s40200-021-00775-6>.
 35. Determination of reference interval (RI) of spot urinary oxalate to creatinine ratio in children of Pakistani origin under six years of age: A cross-sectional study. Hashmi SB, Jafri L, Talati J, Majid H, Qazi S, **Khan AH**. Annals of Medicine & Surgery. April 2021; 64: 102251. <https://doi.org/10.1016/j.amsu.2021.102251>.
 36. Bilateral mid-axillary transversus plane block does not attenuate stress response to total abdominal hysterectomy. A randomised controlled placebo trial. Ismail S, Ahmed A, Hoda MQ, Asghar S, **Khan AH**, Aziz A. Eur J Anaesthesiol. 2021; 37:1–9. https://www.researchgate.net/publication/348253026_Bilateral_mid-axillary_transversus_abdominis_plane_block_does_not_attenuate_stress_response_to_total_abdominal_hysterectomy_A_randomised_controlled_placebo_trial.
 37. 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, Kanis JA. Arch of Osteoporosis. 2021 Feb 17;16(1):34. <https://pubmed.ncbi.nlm.nih.gov/33595723/>.
 38. Clinical characteristics and outcomes of patients presenting with hip fractures at a tertiary care hospital in Pakistan. Arshad A, Ibrahim MT, Arshad H, Hammad MB, Sheikh SA, **Khan AH**, Jafri L, Nadeem S. Arch of Osteoporosis. 2021; 16:25. <https://doi.org/10.1007/s11657-021-00895-9>.
 39. X-linked hypophosphatemic osteomalacia with PHEX mutation presenting late in

- Pakistan. Zehra N, Jafri L, Kirmani S, **Khan AH**. Annals of Medicine & Surgery. 2021 Jan 22; 62:244-248. <https://pubmed.ncbi.nlm.nih.gov/33537138/>.
40. Hajdu Cheney Syndrome due to NOTCH2 defect – First case report from Pakistan and review of literature. Ahmed S, Arif A, Abbas S, Khan MO, Kirmani S, **Khan AH**. Annals of Medicine and Surgery. 2021 February; 62:154-159. <https://www.sciencedirect.com/science/article/pii/S2049080121000431>.
41. 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 and **Khan AH**. Front Endocrinol. 21 2021 January 21; 11: 601562 <https://doi.org/10.3389/fendo.2020.601562>.
42. Development of the Asia Pacific Consortium on Osteoporosis (APCO) Framework. Clinical standards of care for the screening, diagnosis, and management of osteoporosis in the Asia-Pacific region. Chandran M., Mitchell P.J, Amphansap T, **Khan AH** et al. Osteoporosis International, 2021. <https://doi.org/10.1007/s00198-020-05742-0>.

Year 2020

43. Relationship of spot urine oxalate to creatinine ratio and 24 hours urinary oxalate excretion in patients with urolithiasis. Hashmi SB, Jafri L, Majid H, Talati J, Aziz W, **Khan AH**. Annals of Medicine and Surgery. 2020 December; 60: 330-333. <https://www.sciencedirect.com/science/article/pii/S2049080120304246>.
44. 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 MUN, Naseem A, Ahmed S, Ghani F, Alidina S, Shah N, Majid H. MC Medical Education. 2020 Oct 23;20(1):383. <https://pubmed.ncbi.nlm.nih.gov/33097037/>.
45. 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. Annals of Medicine and Surgery. 2020 Jun 6; 55:300-304. <https://pubmed.ncbi.nlm.nih.gov/32551102/>.
46. IQ driving QI: the Asia Pacific Consortium on Osteoporosis (APCO): an innovative and collaborative initiative to improve osteoporosis care in the Asia Pacific. Chandran M, Bhadada SK, Ebeling PR, Gilchrist NL, **Khan AH**, Halbout P, Lekamwasam S, Lyubomirsky G, Mitchell PJ, Nguyen TV, Tiu KL. Asia Pacific Consortium on Osteoporosis. 2020 Nov;31(11):2077-2081. <https://link.springer.com/content/pdf/10.1007/s00198-020-05495-w.pdf>.
47. Lifestyle changes and glycemic control in type 1 diabetes mellitus: a trial protocol with factorial design approach. Sawani S, Siddiqui ARS, Azam SI, Humayun K, Ahmed A, **Khan AH**, Naz S, Tufail M, Iqbal R. Sawani et al. Trials. 2020; 21:346. <https://doi.org/10.1186/s13063-020-4205-7>.
48. A multicenter case control study of association of vitamin D with breast cancer among women in Karachi, Pakistan. Shamsi U, Khan S, Azam I, **Khan AH**, Maqbool A, Hanif M, et al. PLoS ONE. 2020;15(1): e0225402. <https://doi.org/10.1371/journal.pone.0225402> , January 22, 2020.
49. Establishment of Reference Intervals for Alkaline Phosphatase in Pakistani Children Using a Data Mining Approach. Ahmed S, Zierk J, **Khan AH**. Laboratory Medicine. 2020 Sep 1;51(5):484-490. DOI: [10.1093/labmed/lmz096](https://doi.org/10.1093/labmed/lmz096).

- <https://pubmed.ncbi.nlm.nih.gov/31860088/>.
50. 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. <https://pubmed.ncbi.nlm.nih.gov/32551102/>.
51. Kidney stone analysis and spiritual guides (pir faqir): the known-unknowns. Jafri L, **Khan AH**, Asif H. JPMA. 2020 January;70(1). <https://pubmed.ncbi.nlm.nih.gov/31954056/>.
52. Frequency of Vitamin D deficiency in Critically Ill Patients: A Single Center Cross-Sectional Study (Manuscript Number: PAFMJ-2018-07-098). Arbab K, Majid H, Jafri L, Hashmi M, **Khan AH**. June 2020; 70: 03. <https://www.pafmj.org/index.php/PAFMJ/article/view/4657>.

Year 2019

53. Best practices in the implementation of a point of care testing program: experience from a tertiary care hospital in a developing country. **Khan AH**, Shakeel S, Hooda K, Siddiqui K, Jafri L. EJIFCC. 2019 Oct; 30(3): 288–302. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6803771/>.
54. 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, **Khan AH**. Lab Med Online. October 2019;9(4): 232-235. https://www.researchgate.net/publication/336100432_Iodine_Deficiency_in_Neonates_Where_Do_We_Stand_After_a_Quarter_Century_of_Initiating_Iodization_Programs.
55. Unique Classification of Parathyroid Dysfunction in Patients with Transfusion Dependent Thalassemia Major Using Nomogram-A Cross Sectional Study. Majid H, Jafri L, Ahmed S, Talati J, Moiz B, **Khan AH**. Annals of Medicine and Surgery. 2019 Jul 11; 45:22-26. <https://pubmed.ncbi.nlm.nih.gov/31360455/>.
56. 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. <https://pubmed.ncbi.nlm.nih.gov/31358089/>.
57. Assessing Nutritional Status of Critically Ill Patients Using Serum Prealbumin Levels. Arbab K, Majid H, Jafri L, Akram B, Raheem A, Jamil B, Hashmi M, **Khan AH**. J Ayub Med Coll Abbottabad. 2019 Apr-Jun;31(2):178-181. PubMed PMID: 31094111. <https://pubmed.ncbi.nlm.nih.gov/31094111/>.
58. Are Serum Leptin Levels Predicted by Lipoproteins, Vitamin D and Body Composition? **Khan AH**, Fatima SS, Raheem A, Jafri L. World Journal of Diabetes. 2019; 10 (4): 260-268. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6475708/>.
59. 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. JPMA. 2019; 69(4):509-513 (Impact factor:0.718; Citations: 0). https://ecommons.aku.edu/pakistan_fhs_mc_pathol_microbiol/1173/.
60. Inherited Metabolic Disorders Presenting as Hypoxic Ischemic. Zahid M, **Khan AH**, Yunus ZMd, Chin Chen B, Steinmann B, Johannes H, Afroze B. JPMA. 2019 Mar;69(3):432-436. <https://pubmed.ncbi.nlm.nih.gov/30890842/>.
61. High Prevalence of Bone Pain and Fractures in Young Transfusion Dependent Patients

with β -Thalassemia at Southern Pakistan. Moiz B, **Khan AH**, Raheem A, Shariq M. *Ann Hematol Oncol*. 2019; 6(2): 1234.
<https://austinpublishinggroup.com/hematology/fulltext/hematology-v6-id1234.pdf>.

Year 2018

62. Seven Decades of Vitamin D Research in Pakistan: Too Little, Too Much or Just Right. **Khan AH**. *JPMA*. 2018 Dec;68(12):1742-1743.
<https://pubmed.ncbi.nlm.nih.gov/30504934/>.
63. Association of Plasma Leptin with Coronary Artery Calcium (CAC) In Adults. Imran S, Hussain Z, Jafri L, Majid H, Sajjad Z, **Khan AH**. *Pak Armed Forces Med J*. 2018; 68 (1): 149-53.
https://www.researchgate.net/publication/324941001_ASSOCIATION_OF_PLASMA_LEPTIN_WITH_CORONARY_ARTERY_CALCIIUM_CAC_IN_ADULTS.
64. Comparison of Diagnostic Accuracy of Glycated Hemoglobin (HbA1c) and 2-hr Post Glucose Using ADA cut offs. Imran S, Furqan S, Majid H, Jafri L, Islam N, **Khan AH**. *Pak Armed Forces Med J*. 2018; 68 (5).
<https://www.pafmj.org/index.php/PAFMJ/article/view/2242>.
65. Prospective evaluation of serum procalcitonin in critically ill patients with suspected sepsis- experience from a tertiary care hospital in Pakistan. Ahmed S, Siddiqui I, Jafri L, Hashmi M, **Khan AH**, Ghani F. *Ann Med Surg (Lond)*. 2018 Oct 5; 35:180-184.
<https://pubmed.ncbi.nlm.nih.gov/30319777/>.
66. 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 Apr;68(4):510-514.
<https://pubmed.ncbi.nlm.nih.gov/29808036/>.
67. Osteoporosis and its perspective in Pakistan: A review of evidence and issues for addressing fragility fractures. **Khan AH**, Jafri L, Ahmed S, Noordin S. *Ann Med Surg (Lond)*. 2018 Mar 29; 29:19-25. doi: [10.1016/j.amsu.2018.03.019](https://doi.org/10.1016/j.amsu.2018.03.019).
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5911665/>.
68. Primary Hyperoxaluria in Population of Pakistani-Origin Patients: Results from a Literature Review and Two Major Registries. Talati JJ, Hulton SA, Garrelfs SF, Aziz W, Rao S, Memon A, Nazir Z, Biyabani R, Qazi S, Azam I, **Khan AH**, Ahmed J, Jafri L, Zeeshan M. *Urolithiasis*. 2018 Apr;46(2):187-195.
<https://pubmed.ncbi.nlm.nih.gov/28660284/>.
69. Association between environmental tobacco smoke and dental caries amongst 5-14 years old children in Karachi, Pakistan. Nayani AA, Iqbal R, Azam SI, Khan FR, **Khan AH**, Janjua N, Hussain A. *J Pak Med Assoc*. 2018 Feb;68(2):203-209.
<https://pubmed.ncbi.nlm.nih.gov/29479094/>.
70. Frequency of Macroprolactin in Hyperprolactinemia. Sherazi NA, Baig MZ, **Khan AH**. *J Coll Physicians Surg Pak*. 2018 Feb;28(2):93-97. doi: [10.29271/jcpsp.2018.02.93](https://doi.org/10.29271/jcpsp.2018.02.93).
<https://pubmed.ncbi.nlm.nih.gov/29394965/>.
71. Fourier transform infrared spectroscopy for analysis of kidney stones. **Khan AH**, Imran S, Talati J, Jafri L. *Investing Clin Urol*. 2018 Jan;59(1):32-37. doi: [10.4111/icu.2018.59.1.32](https://doi.org/10.4111/icu.2018.59.1.32). Epub 2018 Jan 3.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5754580/>.

Year 2017

72. High Burden of Subclinical Lead Toxicity after Phase Out of Lead from Petroleum in Pakistan. Majid H, **Khan AH**, Khan NU, Siddiqui I, Ghani F, Jafri L. J Coll Physicians Surg Pak. 2017 Dec;27(12):767-770. <https://pubmed.ncbi.nlm.nih.gov/29185404/>.
73. Burden of Zinc (Zn) deficiency: A high volume clinical laboratory data analysis. Majid H, Khawaja S, **Khan AH**, Siddiqui I, Ghani F, Jafri L. J Pak Med Assoc. 2017 Oct;67(10):1593-1595. <https://pubmed.ncbi.nlm.nih.gov/28955080/>.
74. Evaluation of 'CKD-EPI Pakistan' Equation for estimated Glomerular Filtration Rate (eGFR): A Comparison of eGFR Prediction Equations in Pakistani Population. Ahmed S, Jafri L, **Khan AH**. J Coll Physicians Surg Pak. 2017 Jul;27(7):414-418. doi: 2655. <https://pubmed.ncbi.nlm.nih.gov/28818163/>.
75. Primary hyperoxaluria in populations of Pakistan origin: results from a literature review and two major registries. Talati JJ, Hulton SA, Garrelfs SF, Aziz W, Rao S, Memon A, Nazir Z, Biyabani R, Qazi S, Azam I, **Khan AH**, Ahmed J, Jafri L, Zeeshan M. Urolithiasis. 2018 Apr;46(2):187-195. doi: [10.1007/s00240-017-0996-8](https://doi.org/10.1007/s00240-017-0996-8). Epub 2017 Jun 28. Review. <https://pubmed.ncbi.nlm.nih.gov/28660284/>.
76. Selective Screening for Organic Acidurias and Amino Acidopathies in Pakistani Children. Sherazi NA, **Khan AH**, Jafri L, Jamil A, Khan NA, Afroze B. J Coll Physicians Surg Pak. 2017 Apr; 27(4):218-221. doi: 2593. <https://pubmed.ncbi.nlm.nih.gov/28492150/>.
77. Homeostatic Model Assessment for Insulin Resistance (HOMA-IR): A Better Marker for Evaluating Insulin Resistance than Fasting Insulin in Women with Polycystic Ovarian Syndrome. Majid H, Masood Q, **Khan AH**. J Coll Physicians Surg Pak. 2017 Mar; 27(3):123-126. doi: 2569. <https://pubmed.ncbi.nlm.nih.gov/28406767/>.
78. Anthropometric measurements in children having transfusion-dependent beta thalassemia. Moiz B, **Khan AH**, Sawani S, Raheem A, Hasan B, Gangwani M. Hematology. 2018 May;23(4):248-252. doi: [10.1080/10245332.2017.1396044](https://doi.org/10.1080/10245332.2017.1396044). Epub 2017 Oct 31. <https://pubmed.ncbi.nlm.nih.gov/29086659/>.

Year 2016

79. Bone Turnover Markers for Osteoporosis Status Assessment at Baseline in Postmenopausal Pakistani Females. Naeem ST, Hussain R, Raheem A, Siddiqui I, Ghani F, **Khan AH**. J Coll Physicians Surg Pak. 2016 May;26(5):408-12. doi: 2325. <https://pubmed.ncbi.nlm.nih.gov/27225148/>.
80. Fibroblast Growth Factor 23 (FGF23) Levels, Phosphate Intake, and its Association with Indices of Renal Handling of Phosphate in Healthy Volunteers. Abbas N, **Khan AH**, Ghani F and Siddiqui IJ. Nanomedicine & Nanotechnology. 2016; 7:1-4. [https://www.semanticscholar.org/paper/Fibroblast-growth-factor-23-\(FGF23\)-Levels%2C-Intake-Abbas-Khan/47fecb4271399e1944fd97a2e417f5c55a8bd9b2](https://www.semanticscholar.org/paper/Fibroblast-growth-factor-23-(FGF23)-Levels%2C-Intake-Abbas-Khan/47fecb4271399e1944fd97a2e417f5c55a8bd9b2).
81. Identifying Parathyroid Hormone Disorders and Their Phenotypes Through a Bone Health Screening Panel: It's Not Simple Vitamin D Deficiency! Majid H, **Khan AH**, Riaz M, Karimi H, Talati J. Endocr Pract. 2016 Jul;22(7):814-21. doi: [10.4158/EP161206.OR](https://doi.org/10.4158/EP161206.OR). Epub 2016 Mar 28. <https://pubmed.ncbi.nlm.nih.gov/27018622/>.
82. Critical Need of Osteoporosis Risk Assessment Tool for Pakistan. Jafri L, Iqbal R, **Khan AH**. J Coll Physicians Surg Pak. 2016 Jan;26(1):80. https://www.researchgate.net/publication/305467624_Critical_Need_of_Osteoporosis_Risk_Assessment_Tool_for_Pakistan.

Year 2015

83. An audit of clinical laboratory data of 25 [OH]D at Aga Khan University as reflecting vitamin D deficiency in Pakistan. Hassan S, Muzammil SM, Jafri L, **Khan AH**. J Pak Med Assoc. 2015 Nov;65(11):1247-50. <https://www.semanticscholar.org/paper/An-audit-of-clinical-laboratory-data-of-25-%5BOH%5DD-at-Hassan-Muzammil/28f6f4a9fc7e2d523023723eece8d6ff9ca4cf57>.
84. Error identification in a high-volume clinical chemistry laboratory: Five-year experience. Jafri L, **Khan AH**, Ghani F, Shakeel S, Raheem A, Siddiqui I. Scand J Clin Lab Invest. 2015 Jul;75(4):296-300. doi: [10.3109/00365513.2015.1010175](https://doi.org/10.3109/00365513.2015.1010175). Epub 2015 Feb 27. <https://pubmed.ncbi.nlm.nih.gov/25723890/>.
85. Comparison of Vitamin D Replacement Strategies with High-Dose Intramuscular or Oral Cholecalciferol: A Prospective Intervention Study. Masood MQ, **Khan AH**, Awan S, Dar F, Naz S, Naureen G, Saghir S, Jabbar A. Endocr Pract. 2015 Oct;21(10):1125-33. doi: [10.4158/EP15680.OR](https://doi.org/10.4158/EP15680.OR). Epub 2015 Jul 7. <https://pubmed.ncbi.nlm.nih.gov/26151421/>.
86. R990G polymorphism of calcium sensing receptor gene is associated with high parathyroid hormone levels in subjects with vitamin D deficiency: a cross-sectional study. Majid H, **Khan AH**, Moatter T. Biomed Res Int. 2015; 2015:407159. doi: [10.1155/2015/407159](https://doi.org/10.1155/2015/407159). Epub 2015 Jan 28. <https://pubmed.ncbi.nlm.nih.gov/25695075/>.
87. Growing Prevalence of Osteoporosis in Pakistan: Call for Action. Iqbal R, Habib S, Hussain S, **Khan AH**. JPMA. 2015 February; 65: 2:230-231. <https://pubmed.ncbi.nlm.nih.gov/25842568/>.

Year 2014

88. Shifting of vitamin D deficiency to hypervitaminosis and toxicity. **Khan AH**, Majid H, Iqbal R. J Coll Physicians Surg Pak. 2014 Jul;24(7):536. <https://pubmed.ncbi.nlm.nih.gov/25052986/>.
89. Ionized calcium measurement in serum and plasma by ion selective electrodes: comparison of measured and calculated parameters. Jafri L, **Khan AH**, Azeem S. Indian J Clin Biochem. 2014 Jul;29(3):327-32. doi: [10.1007/s12291-013-0360-x](https://doi.org/10.1007/s12291-013-0360-x). Epub 2013 Jul 25. <https://pubmed.ncbi.nlm.nih.gov/24966481/>.
90. Validation of a food frequency questionnaire for assessing macronutrient and calcium intake in adult Pakistani population. Iqbal R, Haroon MA, Dar FJ, Bilgiram M, Bano G, **Khan AH**. J Coll Physicians Surg Pak. 2014 Apr;24(4):224-7. <https://pubmed.ncbi.nlm.nih.gov/24709231/>.
91. Demographic characteristics, presentations, and treatment outcome of patients with prolactinoma. Malik S, Hussain SZ, Basit R, Idress N, **Khan AH**, Zaman M, Islam N. Journal of Ayub Medical College Abbottabad. 2014 Sep 1;26(3):269-74. <https://pubmed.ncbi.nlm.nih.gov/25671924/>.
92. Author's reply. Agreement between Serology & Histology for Detection of Helicobacter Pylori Infection. **Khan AH**, Iqbal S, Fatima S. Journal of the College of Physicians and Surgeons Pakistan. 2014; 24 (10):783. <https://pubmed.ncbi.nlm.nih.gov/24169385/>.
93. Shifting of Vitamin D Deficiency to Hypervitaminosis and Toxicity. **Khan AH**, Majid H, Iqbal R. Journal of the College of Physicians and Surgeons Pakistan. 2014; 24 (7):536. <https://pubmed.ncbi.nlm.nih.gov/25052986/>.

Year 2013

94. Assessing the effect of dietary calcium intake and 25 OHD status on bone turnover in women in Pakistan. **Khan AH**, Naureen G, Iqbal R, Dar FJ. Arch Osteoporos. 2013; 8:151. doi: [10.1007/s11657-013-0151-2](https://doi.org/10.1007/s11657-013-0151-2). Epub 2013 Nov 6. <https://pubmed.ncbi.nlm.nih.gov/24197772/>.
95. Agreement between serology and histology for detection of Helicobacter pylori infection. Iqbal S, Fatima S, Raheem A, **Khan AH**. J Coll Physicians Surg Pak. 2013 Nov;23(10):784-6. <https://pubmed.ncbi.nlm.nih.gov/24169385/>.
96. Illuminating the dark side--vitamin D status in different localities of Karachi. Iqbal R, Jafri L, Haroon A, **Khan AH**. J Coll Physicians Surg Pak. 2013 Aug; 23(8):604-6. <https://pubmed.ncbi.nlm.nih.gov/23930885/>.
97. Raised 17-hydroxyprogesterone levels in congenital adrenal hyperplasia. Iqbal S, **Khan AH**. J Coll Physicians Surg Pak. 2013 May; 23(5):373-4. <https://pubmed.ncbi.nlm.nih.gov/23673184/>.
98. Verification and Determination of the Thyroid Peroxidase Antibody Reference Interval: Insight into the CLSI Guideline. Iqbal S, Ghani F, Siddiqi I, **Khan AH**. Lab Med. 2013 May 1;44(2): e37-e43. doi: [10.1309/LMJ2J52MPMFSHDGX](https://doi.org/10.1309/LMJ2J52MPMFSHDGX). <https://pubmed.ncbi.nlm.nih.gov/29584899/>.
99. No Change in Calcium Absorption in Adult Pakistani Population before and After Vitamin D Administration Using Strontium as Surrogate. **Khan AH**, Rohra D, Saghir S, Udani S, Wood R, Jabbar A. Osteoporos Int. 2013 March; 24(3):1057–1062. doi.org/10.1007/s00198-012-2007-9. <https://pubmed.ncbi.nlm.nih.gov/22572965/>.
100. Assessing the Effect of Dietary Calcium Intake and 25 OHD Status on Bone Turnover in Women in Pakistan. **Khan AH**, Naureen G, Iqbal R, Dar FJ. Arch Osteoporos. 2013; 8:151. doi:[10.1007/s11657-013-0151-2](https://doi.org/10.1007/s11657-013-0151-2). <https://pubmed.ncbi.nlm.nih.gov/24197772/>.
101. Agreement between Serology & Histology for Detection of Helicobacter Pylori Infection. Iqbal S, Fatima S, Raheem A, **Khan AH**. JCPSP. 2013; 23 (11):784-786. <https://pubmed.ncbi.nlm.nih.gov/24169385/>.
102. Raised 17-Hydroxyprogesterone Levels in Congenital Adrenal Hyperplasia. Iqbal S, **Khan AH**. JCPSP. 2013; 23 (5): 373-374. <https://pubmed.ncbi.nlm.nih.gov/23673184/>.

Year 2012

103. Prevalence of Vitamin D Deficiency and Its Correlates: Results of A Community Based Study Conducted in Karachi, Pakistan. **Khan AH**, Iqbal R, Naureen G, Nasir F, Dar F. Arch Osteoporos. 2012 Dec; 7 (1-2): 275-82. <https://pubmed.ncbi.nlm.nih.gov/23152063/>.
104. Development and Validation of Sunlight Exposure Measurement Questionnaire (SEM-Q) for Use in Adult Population Residing in Pakistan. Humayun Q, Iqbal R, Azam I, Siddiqui AR, **Khan AH**, Ansari N. BMC Public Health. 2012; 12:421. doi:[10.1186/1471-2458-12-421](https://doi.org/10.1186/1471-2458-12-421). <https://pubmed.ncbi.nlm.nih.gov/22682277/>.
105. Bone health status of pre-menopausal healthy adult females in Pakistani females. Dar FJ, Iqbal R., Ghani F, Siddiqui I, **Khan AH**. Archives of osteoporosis.

- 2012; 7(1): 93-99. <https://pubmed.ncbi.nlm.nih.gov/23225286/>.
106. Diagnostic Utility of Anti-Citrullinated Protein Antibody and Its Comparison with Rheumatoid Factor in Rheumatoid Arthritis. **Khan AH**, Jafri L, Hussain MA, Ishaq S. JCPSP. 2012; 22(11): 711-715. <https://pubmed.ncbi.nlm.nih.gov/23146852/>.
107. Response of A Single Mega Intramuscular Dose of Vitamin D on Serum 25OHD and Parathyroid Hormone Levels in Volunteers in Karachi, Pakistan. **Khan AH**, Rohra D, Saghir S, Udani S, Wood R, Jabbar A. JCPSP. 2012; 22 (4):207-212. <https://pubmed.ncbi.nlm.nih.gov/22482374/>.
108. High Prevalence of Obesity Call for a Priority Action for Non-Communicable Disease Crises in Adult Women: Findings of a Community Based Study in Karachi, Pakistan. **Khan AH**, Naureen G, Iqbal R. Food and Nutrition Bulletin. 2012; 33(4). <https://journals.sagepub.com/doi/abs/10.1177/156482651203300401>.

YEAR 2011

109. 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. BJMMR. 2011; 1(4): 445-458. <https://www.journaljammr.com/index.php/JAMMR/article/view/15635>.
110. Comparison of High-Performance Liquid Chromatography, Radioimmunoassay and Electro Chemiluminescence Immunoassay for Quantification of Serum 25 Hydroxy Vitamin D. Jafri L, **Khan AH**, Siddiqui AA, Mushtaq S, Iqbal R, Ghani F, Siddiqui I. Clin Biochemistry. 2011 Jul;44(10-11):864-8. <https://pubmed.ncbi.nlm.nih.gov/21570387/>.
111. Ethnic Disparity In 21 Hydroxylase Gene Mutations Identified in Pakistan Congenital Adrenal Hyperplasia Patient. **Khan AH**, Aban M, Raza J, Haq N, Jabbar A, Moatter T. BMC Endocrine Disorders. 2011, 11:5. DOI: 10.1186/1472-6823-11-5. <https://bmcendocrdisord.biomedcentral.com/articles/10.1186/1472-6823-11-5>.
112. Ionized Calcium Cannot Predict Vitamin D Deficiency. **Khan AH**, Jafri L. Ind J Clin Biochem. 2011 Oct-Dec; 26(4): 428-429. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3210233/>.

YEAR 2010

113. Prevalence and Significance of Vitamin D Deficiency and Insufficiency among Apparently Healthy Adults. Mansoor S, **Khan AH**, Ghani F, Fatimi Z, Badruddin S, Mansoor S, Siddiqui I, Jabbar A. Clinical Biochemistry. 2010; 4(18):1431-5. https://www.researchgate.net/publication/46577995_Prevalence_and_significance_of_Vitamin_D_deficiency_and_insufficiency_among_apparently_healthy_adults.
114. Pattern of Drug of Abuse in Chemical Samples. Dar FJ, **Khan AH**, Siddiqui I, Ghani F. JCPSP. 2010;20 (9): 608-611. https://www.researchgate.net/publication/46109784_Pattern_of_Drugs_of_Abuse_Identified_in_Chemical_Samples.
115. Treating Vitamin D Deficiency (VDD) Can Also Play A Role In Fight Against Chronic Disease. **Khan AH**. JPMA. 2010 Feb;60(2):158-9. <https://pubmed.ncbi.nlm.nih.gov/20213905/>.

116. Possible Causes of Vitamin D Deficiency in Pakistani Population Residing in Pakistan. Iqbal R, **Khan AH**. JPMA. 2010 Jan;60(1):1-2.
<https://pubmed.ncbi.nlm.nih.gov/20055268/>.

YEAR 2009

117. Classic Virilizing Congenital Adrenal Hyperplasia Presenting Late: Case Series from Pakistan. **Khan AH**, Haq NU, Raza J, Jabbar A, Moatter T. JPMA. 2009 Sep;59(9):643-6. <https://pubmed.ncbi.nlm.nih.gov/19750867/>.
118. Correlation Study of Vitamin D Levels Between Reference Method (RIA) And the Test Method (Chemiluminescence). L Jafri, R Iqbal, **Khan AH**. JPMA. 2009 April;60: 2 Supplement, S-01 – S-49.
https://www.researchgate.net/publication/261703108_Correlation_study_of_vitamin_D_levels_between_reference_method_RIA_and_the_test_method_chemiluminescence.
119. Frequency of Cannabinoids Use among the Oil Tanker and Truck Drivers. Ghani F, Jabbar J, Siddiqui I, **Khan AH**, Kazmi T. Int J of Pathology. 2009; 7 (1): 21-24.
https://www.researchgate.net/publication/216507818_Frequency_of_Cannabinoids_use_among_the_oil_tanker_and_truck_drivers.
120. Vitamin D Deficiency in an Ample Sunlight Country. **Khan AH**, Iqbal R. JCPSP. 2009; 19 (5): 267-268.
https://www.researchgate.net/publication/24395988_Vitamin_D_Deficiency_in_an_Ample_Sunlight_Country.

YEAR 2008

121. Vitamin D Deficiency in Ambulatory Patients. Zuberi L, **Khan AH**, Abdul J. JPMA. 2008 September;58 (9): 482 – 484. <https://pubmed.ncbi.nlm.nih.gov/18846794/>.
122. Vitamin D Deficiency Osteomalacia: The Continuing Challenge (Case Report). **Khan AH**, Jabbar A, Baig R, Haq NU, Sutton R. Pak J Pathol. 2008; 19 (4): 146 -148.
https://www.researchgate.net/publication/23404412_Vitamin_D_Deficiency_Osteomalacia_the_Continuing_Challenge.
123. Work Flow Analysis: Audit of the Turnaround Time in Clinical Chemistry in a Tertiary Care Hospital. **Khan AH**, Azam I, Siddiqui I, Kayani N, Khurshid M. Pak J of Pathol. 2008; 19(3): 89-92.
https://www.researchgate.net/publication/261879490_Work_flow_analysis_Audit_of_the_turnaround_time_in_clinical_chemistry_in_a_tertiary_care_hospital.
124. Vitamin D Deficiency: Are We Still Ignoring the Evidence. **Khan AH**. JPMA. 2008 September; 58 (9): 482 – 484. <https://jpma.org.pk/article-details/1498>.

YEAR 2007

125. A Novel Haplotype in ABCA1 Gene Effects Plasma HDL-C Concentration. Saleheen D, Nazir A, Khanum S, Haider S R., Ahmad U, Khalid H, Hussain I, Shahid K, **Khan AH**, Frossard PM. Int J Cardiol. 2007 Jan 31; 115(1):7-13.
<https://pubmed.ncbi.nlm.nih.gov/16806540/>.
126. Pattern of Anti-ENA (Extractable Nuclear Antigens) Antibodies in Different Clinical Disorders; A Clinical Laboratory Based Study. Siddiqui I, Farooqi J, Ghani F,

Khan AH. Int J of Pathology. 2007; 5(2)67-71.

127. Serum Copper Levels in Various Diseases: A Local Experience at Aga Khan University Hospital, Karachi. Siddiqui I, Farooqi J, Sharif DA, **Khan AH**, Ghani F. Int J of Pathology. 2007;4(2).

YEAR 2004

128. Clinical Characteristics and Outcome of Diabetic Ketoacidosis in Pakistani adults with Type 2 Diabetes Mellitus. Jabbar A, Farooqi A, **Khan AH**, Islam N, Haque N, Akhter. J Diabetic Medicine. 2004; 21:920-923.
<https://pubmed.ncbi.nlm.nih.gov/15270798/>.
129. Profile of Children with Congenital Adrenal Hyperplasia-A Hospital Study. Bhanji R, **Khan AH**, Lashari I, Sabir S, Nazir Z, Billoo G. JPMA. 2004 Oct;54 (10):509-12. <https://pubmed.ncbi.nlm.nih.gov/15552284/>.

YEAR 2003

130. Chromosomal Abnormalities as a Cause of Recurrent Abortions. Azim M, **Khan AH**, Latif Z, Paul JA, Khurshid M. JPMA. 2003 March; 53(3): 117-119.
<https://pubmed.ncbi.nlm.nih.gov/12779028/>.

YEAR 2002

131. Characterization of Pathogenic Mutations in 21-Hydroxylase Gene of Pakistani Patients with Congenital Adrenal Hyperplasia-A Preliminary Report. **Khan AH**, Nasir M I, Moatter T. JPMA. 2002 July;52(7): 7/7.
<https://pubmed.ncbi.nlm.nih.gov/12481658/>.

YEAR 2001

132. Low Lead Exposure and Blood Lead Levels in Children: A Cross-Sectional Survey. Arch of Environmental Health. **Khan AH**, Khan A, Ghani F, Khurshid M. 2001 Nov/Dec; 56:6:501-505. <https://pubmed.ncbi.nlm.nih.gov/11958549/>.
133. Trisomy 9 Mosaicism: A Case Report. **Khan AH**, Khilji Z, Azim M, Khurshid M. JPMA. 2001 March; 51(3). https://jpma.org.pk/article-details/2566?article_id=2566.
134. Trisomy 16, Cause of First Trimester Abortion. **Khan AH**. JPMA. 2001 Oct;51 (10):378-379. <https://pubmed.ncbi.nlm.nih.gov/11768943/>.

YEAR 1998

135. Role of Serum Angiotensin Converting Enzyme in Sarcoidosis. **Khan AH**, Ghani F, Khan A, Khan A, Khurshid M. JPMA. 1998 May;48(5):131-133.
<https://pubmed.ncbi.nlm.nih.gov/9813973/>.

BOOK CHAPTERS:

- 1 **Aysha Habib Khan** (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. (2016)
- 2 Farhan Dar and **Aysha Habib Khan**. Assessment of Bone Turnover in Adult Females and its Association with Vitamin D Blood Levels. LAP Lambert Academic Publishing ISBN 978-3-8473-1686-2, paperback, 184 Pages
 - 3 Hafsa Majid, Tariq Moatter, **Aysha Habib Khan**. Bone health Parameters and Polymorphisms of Calcium Sensing Receptors. Lambert Academic Publishing bearing ISBN 978-3-659-76884-2
 - 4 N Abbas, **Aysha Habib Khan**. Fibroblast Growth Factor-23 as Novel Marker of Phosphate Homeostasis. Lambert Academic Publishing bearing ISBN 978-3-659-81512-6
 - 5 **Aysha Habib Khan**. Chapter 24: Nephrolithiasis and Interrelationship of Vitamin D, Parathyroid hormone and Calcium-An update. Urolithiasis: Basic Science and Clinical Practice. Editors J.J. Talati; H.G. Tiselius; D.M. Albala; Z.YE. Tongji. Springer 2013.

CONTRIBUTIONS TO REPORTS, GUIDELINES AND POLICY DOCUMENTS:

Blogs:

1. Osteoporosis in developing countries in Asia Pacific: Challenges & Opportunities. <https://apcobonehealth.org/blog/page/2/>
2. "[ایک ہزار میل کا سفر پہلے قدم سے شروع ہوتا ہے](https://apcobonehealth.org/)" - The journey of a thousand miles begins with the first step" - APCO (apcobonehealth.org)

NEWSPAPER/NEWSLETTER ARTICLES

1. Diagnosis of Inborn Errors of Metabolism. Dawn Supplement, Friday 8th April, 2016.
2. World Rare Disease Day, Newsletter of International Federation of Clinical Biochemistry (IFCC), 2016
3. Report on Pakistan Society of Chemical Pathology, Newsletter of International Federation of Clinical Biochemistry (IFCC), 2013.
4. Report on 4th biennial course in Chemical Pathology, Newsletter of International Federation of Clinical Biochemistry (IFCC), 2012.
5. Prevalence and Causes of Vitamin D Deficiency in South Asian Population Residing in Different Geographical Areas, Newsletter of Asian Pacific Federation of Clinical Biochemistry (APFCB), 2012.
6. Report on Pakistan Society of Chemical Pathologist, Newsletter of Asian Pacific Federation of Clinical Biochemistry (APFCB), 2011.
7. Bone health for life. Women's Own, April 2011.
8. Growing Interest in Assessing Vitamin D Status and Issues of Vitamin D Testing: Experience from Pakistan. Newsletter of Asian Pacific Federation of Clinical Chemistry, 2010.
9. Assessment of Osteoporosis Risk by NTx: A Biochemical Marker. LABRAD, 2010.
10. N-telopeptide of type I collagen: A Biochemical Tool for Assessing Bone Turnover. LABRAD, 2009.
11. Vitamin D Deficiency: Are we Still Ignoring the Evidence. LABRAD, 2008.
12. Vitamin D Measurement. LABRAD, September 2007.

13. Lab Diagnosis of Metabolic Bone Diseases. LABRAD, 2007.
14. Overseas Development Award. ACP National Scientific Meeting 14th -15th June Church House, Westminster and attachment at Kings College Hospital, London 12th June -18th July, Aysha Habib Khan. Association of Clinical Pathologist newsletter, UK., 2007
15. What Causes Vitamin D deficiency? Physician Newsletter, AKUH, 2006.
16. Vitamin D deficiency. Gulf Today, December 2006.
17. The Battle to Conquer Osteomalacia. DAWN, Health Page, 11th Dec 2002.
18. CAH: Defeating Myths and Dogmas. DAWN, Health Page, 10th July 2002.

RESEARCH GRANTS

As Principal Investigator:

1. Developing core-competencies for Medical Technologists for producing competency-based education and training programs in Pakistan. 2022 SOTL, USD 3220
2. Determining feasibility of a model of care for secondary fracture prevention for implementing in health care system in Pakistan after hip fracture: a clinical outcome study. URC 211027, Rs 3,283,995/
3. To Assess the Effect of Dietary Calcium Intake and Vitamin D Status On Bone Turnover Markers in Pakistani Adult Females. PI, awarded from Pakistan Science Foundation in May 2010– December 2011, Rs 19, 844, 16.
4. Determination of Calcium Absorption from Intestine at Various Vitamin D Levels Using Strontium as the Surrogate Marker. PI, Awarded from HEC in June 2009-Nov 2010, Rs 821,100.
5. Genotype Phenotype Correlation and Characterization of Mutation in 21-Hydroxylase Gene in Patients with Congenital Adrenal Hyperplasia. PI, URC 2003-2007, US\$ 15,000.

As Co-Investigator:

1. Association of Vitamin D Deficiency, AMH, Oxidative Stress Markers and ABCA1 genetic variants in infertile females with and without Poly Cystic Ovarian Syndrome. Co-PI, Seed Grant
2. Lifestyle changes & glycemic control in type 1 Diabetes mellitus: A factorial design approach 2018, URC Project ID: 174004CHS, Co-I PKR 1,500,000
3. FAIMER Scholarship Awarded: Two-year scholarship for project titled 'Metabolic Bone Disorders: a course for inculcating good clinical practice involving millennial students through e-learning' (FAIMER Institute) 2017, Co-Investigator
4. Determining the True Rate of Hyperparathyroidism in Upper Urinary Tract Stone Disease. Section of Urology, Department of Surgery, 2016, Co-PI, **URC**
5. Acute Kidney Injury Based On Neutrophil Gelatinase-Associated Lipocalcin (NGAL) in a Pediatric Intensive Care Unit of Tertiary Care Hospital Karachi, Pakistan, Department of Paediatrics and Child Health, 2016, Co-PI, URC (2016 153006PAED)
6. Effect of Transverses Abdominals Plane (TAP) Block and the Perioperative Stress Response: Randomized Control Trial in Patients Undergoing Total Abdominal Hysterectomy in a Tertiary Care Hospital of Pakistan. 2015-2016, Co-PI, Department of Anesthesia, 2, 93,200 PKR, Completed, Analysis in Process.

7. Relationship of Serum Transthyretin (Prealbumin) & Vitamin D Deficiency with Length of Stay and Mortality in Critically Ill Surgical Patients, 2016-2017, Co-PI Department of Anesthesiology, 1, 22,905 PKR, Completed, Publication in Process
8. Visceral Fat Adiposity and Central Obesity Measures as Predictors for Coronary Artery Calcium and Metabolic Syndrome Assessed by Multislice Computed Tomography. 2013-2014, Co-PI, URC. Completed, Publication in Process
9. Evaluation of Bone Health in Pakistani Children with Beta Thalassemia Major. Co-PI, URC 2012 Rs 17, 00,000.
10. Determination of Effective Vitamin D Replacement and Monitoring Strategies in Vitamin D Deficient State (EVIREST). Co-PI, Seed Grant from URC 2011. PKR 9, 23, 863.

As Supervisor:

POSTGRADUATE TRAINEES

1. Muhammad Umer Naeem 2021, Utility of Anti-Beta 2 Glycoprotein I Antibodies in identifying Patients with Antiphospholipid Syndrome
2. Bilal Hashmi, 2017 Relationship of Spot Urine Oxalate to Creatinine Ratio and 24 Hours Urinary Oxalate Excretion in Patients Presenting to Urology Clinic
3. Khushbakht Arbab; 2016. Relationship of Serum Transthyretin (Prealbumin) & Vitamin D Deficiency with Length of Stay and Mortality in Critically Ill Surgical Patients. 82,000. Resident Seed Grant from Department of Pathology & Laboratory Medicine.
4. Shehar Bano Imran; 2015. To Examine the Relationship between Serum Leptin Levels and Coronary Artery Calcium in Subjects Coming to a Tertiary Care Center” Resident Seed Grant from Department of Pathology & Laboratory Medicine. (Grant ID RRG 2014-04), Rs 85000.
5. Shehar Bano Imran; 2016. HbA1c versus Oral Glucose Test and Fasting Plasma Glucose for the Diagnosis of Diabetes Mellitus in a Tertiary Care Center of Pakistan. Rs 85,000.
6. Hafsa Majid; 2010; Polymorphism of CaSR Gene and Its Association in Subjects with Vitamin D Deficiency. US \$ 1000. 2011 Resident Seed Grant from Department of Pathology and Laboratory Medicine. (IOF Award)
7. Talha Naeem; 2009 to Determine the Validity of Bone Turnover Markers in Patients with Osteoporosis and Osteopenia Presenting at a Metabolic Bone Clinic. US \$ 1000. 2010 Resident Seed Grant from Department of Pathology and Laboratory Medicine.
8. Noreen Sherazi; 2008-2012; Fibroblast Growth Factor 23 Levels in Healthy Volunteers and Correlation with Serum Phosphate and Tubular Maximum for Phosphate Reabsorption. US \$ 1050. 2009 Resident Seed Grant from Department of Pathology and Laboratory Medicine.
9. Farhan Dar; 2007-2010; Assessment of Bone Turnover and its Association with Vitamin D Blood Levels in Adult Females. US\$ 1000 from Resident Seed Grant, 2007 from Department of Pathology & Microbiology, US\$ 3000 from URC of Aga Khan University.
10. Shireen Mansoor; (2005-2007). Vitamin D Status in a Population of Healthy Adults-A Pilot Study. URC US\$ 3000 from Aga Khan University.