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### **SUMMARY:**

Publication	89
Book Chapters	05
Contributions to reports, guidelines, and policy documents:	00

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## **Publications**

### **Year 2024**

1. Temporal changes in SARS-CoV-2 clearance kinetics and the optimal design of antiviral pharmacodynamic studies: an individual patient data meta-analysis of a randomised, controlled, adaptive platform study (PLATCOV). Wongnak P, Schilling WHK, Jittamala P, Boyd S, Luvira V, Siripoon T, Ngamprasertchai T, Batty EM, Singh S, Kouhathong J, Pagornrat W, Khanthagan P, Hanboonkunupakarn B, Poovorawan K, Mayxay M, Chotivanich K, Imwong M, Pukrittayakamee S, Ashley EA, Dondorp AM, Day NPJ, Teixeira MM, Piyaphanee W, Phumratanaprapin W, White NJ, Watson JA; PLATCOV Collaborative Group: Najia Ghanchi and **M Asim Beg**. *Lancet Infect Dis*. 2024 Apr 24:S1473-3099(24)00183-X. doi:[10.1016/S1473-3099\(24\)00183-X](https://doi.org/10.1016/S1473-3099(24)00183-X).
2. Malaria in Pregnancy: Meta-Analyses of Prevalence and Associated Complications. Das JK, Lakhani S, Rahman AR, Siddiqui F, Ali Padhani Z, Rashid Z, Mahmud O, Naqvi SK, Amir Naseem H, Jehanzeb H, Kumar S and **Beg MA**. 2024 Feb 13:1-130. *Epidemiol Infect*. DOI: [10.1017/S0950268824000177](https://doi.org/10.1017/S0950268824000177).

### **Year 2023**

3. Adapting international clinical trials during COVID-19 and beyond. Thriemer K, Degaga TS, Alam MS, Adhikari B, Tripura R, Hossain MS, Christian M, Ghanchi NK, Mnjala H, Weston S, Ley B, Rumaseb A, Tadesse D, Teferi T, Yilma D, Lee G, Unger H, Sutanto I, Pasaribu AP, Ghimire P, **Beg MA** and Price RN. *Clin Trials*. 2023 Feb 11:17407745231154215. DOI: [10.1177/17407745231154215](https://doi.org/10.1177/17407745231154215).

### **Year 2022**

4. The COVID-19 vaccination acceptance/hesitancy rate and its determinants among healthcare workers of 91 Countries: A multicenter cross-sectional

study. Askarian M, Semenov A, Llopis F, Rubulotta F, Dragovac G, Pshenichnaya N, Assadian O, Ruch Y, Shayan Z, Padilla Fortunatti C, Lucey D, Almohaizeie A, Kamal AHM, Ogunshe A, Konkayev A, **Beg A**, Primerano E, Amer F, Kumari Pilli HP, Hung I, Ayoade F, Lefrant JY, Zajkowska J, Rello J, Kazi M, Taghrir MH, Blot S, Leib S, Hosseinpour P, Hosseinpour H, Erfani A, Borazjani R, Akbarialiabad H, Najafi M, Askarian A and Erdem H. EXCLI J. 2022 Jan 6;21:93-103. DOI: [10.17179/excli2021-4439](https://doi.org/10.17179/excli2021-4439).

## **Year 2021**

5. Molecular surveillance of drug resistance: Plasmodium falciparum artemisinin resistance single nucleotide polymorphisms in Kelch protein propeller domain from southern Pakistan. Ghanchi, N.K., Qurashi, B., Raees, H and **Beg MA**. Malar J. 2021 Apr 7;20(1):176. <https://doi.org/10.1186/s12936-021-03715-0>.
6. Plasmodium in the bone marrow: case series from a hospital in Pakistan, 2007–201. Shaikh MS, Ali B, Janjua M, Akbar A, Haider SA, Moiz B, Raheem A, Baird JK and **Beg MA**. Malar J. 2021 Jun 8;20(1):254. doi: [10.1186/s12936-021-03792-1](https://doi.org/10.1186/s12936-021-03792-1).

## **Year 2020**

7. Plasmodium vivax Mimicking Morphologic Features of Plasmodium falciparum. Ghanchi NK, Khan A, Raheem A and Beg MA. Cureus. 2020 Nov 9;12(11):e11406. doi: [10.7759/cureus.11406](https://doi.org/10.7759/cureus.11406).

## **Year 2019**

8. Hematological Profile and Gametocyte Carriage in Malaria Patients from Southern Pakistan. Ghanchi NK, Khan MH, Arain MA, Zubairi MBA, Raheem A, Khan MA and **Beg MA**. Cureus. 2019 Mar 15;11(3):e4256. DOI: [10.7759/cureus.4256](https://doi.org/10.7759/cureus.4256).
9. Neuroimaging Findings in Tuberculosis: A Single-Center Experience in 559Cases. Azeemuddin M, Alvi A, Sayani R, Khan MK, Farooq S, **Beg MA**, Awan S and Wasay MJ. Neuroimaging. 2019 Sep;29(5):657-668. DOI: [10.1111/jon.12627](https://doi.org/10.1111/jon.12627).
10. Infections in patients with multiple myeloma treated with conventional chemotherapy: a single-center, 10-year experience in Pakistan. Zahid MF, Ali N, Nasir M, Baig MH, Iftikhar M, Bin Mahmood SU, Malik A, Atif S, and **Beg MA**. Hematol Transfus Cell Ther. 2019 Oct - Dec;41(4):292-297. DOI: [10.1016/j.htct.2019.02.005](https://doi.org/10.1016/j.htct.2019.02.005).

11. Prevalence of Malaria reported during Summer and Winter at a Tertiary Care Hospital in Karachi, Pakistan. Arain FM, Memon AM, Jamal R, Raheem A and **Beg MA**. J Pak Med Assoc. 2019 Nov;69(11):1721-1724.  
DOI: [10.5455/JPMA.7805](https://doi.org/10.5455/JPMA.7805).

## **Year 2018**

12. Diagnostic value of novel gauze filtration technique- comparison with conventional methods in a high burden diagnostic laboratory of Pakistan. Maqsood N, Shakeel A, Ghanchi NK, Raheem A, Zaheruddin F, Jabeen G, Raza A and **Beg MA**. Cureus Journal Medical Sciences. 2018 Nov 19;10(11):e3615. DOI: [10.7759/cureus.3615](https://doi.org/10.7759/cureus.3615).
13. Neurological involvement associated with Plasmodium vivax malaria from Pakistan. Khan YA, Mian UH, Ghanchi NK, Zubairi ABS and **Beg MA**. Trop Doct. 2018 Jan;48(1):52-54. DOI: [10.1177/0049475517722877](https://doi.org/10.1177/0049475517722877).
14. Association of Helicobacter pylori and protozoal parasites in patients with chronic diarrhoea. Yakoob J, Abbas Z, Khan R, Tariq K, Awan S, **Beg MA**. Br J Biomed Sci. 2018 Feb 16:1-5. DOI: [10.1080/09674845.2017.1420129](https://doi.org/10.1080/09674845.2017.1420129).
15. Neurological complications in patients with Plasmodium vivax malaria from Karachi, Pakistan Akhlaq A, Ghanchi NK, Usmani B, Shahzad R, Rahim A, Wasay M and **Beg MA**. JRCPE. 2018 Sep;48(3):198-201.  
DOI: [10.4997/JRCPE.2018.302](https://doi.org/10.4997/JRCPE.2018.302).
16. Frequency and Impact of Cerebral Infarctions in Patients with Tuberculous Meningitis. Wasay M, Khan M, Farooq S, Khowaja ZA, Bawa ZA, Mansoor Ali S, Awan S and **Beg MA**. Stroke. 2018 Oct;49(10):2288-2293.  
DOI: [10.1161/STROKEAHA.118.021301](https://doi.org/10.1161/STROKEAHA.118.021301).

## **Year 2017**

17. Amoebic brain abscess associated with renal cell carcinoma. Abdullah UH, Baig MZ, Azeemuddin M, Wasay M, Yakoob J and **Beg MA**. Neurology and Clinical Neuroscience. 2017; 5(6), 195-197.  
[https://ecommons.aku.edu/pakistan\\_fhs\\_mc\\_med\\_gastroenterol/140](https://ecommons.aku.edu/pakistan_fhs_mc_med_gastroenterol/140).
18. Frequency of G6PD Mediterranean in individuals with and without malaria in Southern Pakistan. Moiz B, Arshad HM, Raheem A, Hayat H, Ghanchi NK and **Beg MA**. Malar J. 2017 Oct 24; 16(1):426.  
<https://doi.org/10.1186/s12936-017-2069-4>.
19. Malaria in children under two in rural Sindh, Pakistan – a two year prospective study. Ali SA, Akhund T, Dhanani ZN, Warrach GJ, Qureshi S, Hussain F, Sajid M, **Beg MA**, Bhutta Z, Jr WAP, Zaidi A and Molly A. Hughes submitted Trop Med Int Health. 2017.

20. Perception of Pathology as a future career choice among medical Students from Pakistan. Ghanchi NK, Nizamuddin R Qasim A, Khaled ZK, Raheem AB, Ali N, Kayani N and **Beg MA**. J Pak Med Assoc 2017.
21. Response to comment on Najia Karim Ghanchi et al (J Pak Med Assoc. 2017; 2: 627-9) Perception of pathology as a future career choice among medical Students from Karachi, Pakistan: Experience from a private medical school. Ghanchi NK, Nizamuddin RN, Khaled ZN, Qasim A, Raheem AB, Ali N, Kayani N and **Beg MA**. J Pak Med Assoc. 2017 Oct;67(10):1635-1636.

### **Year 2016**

22. Current situation and challenges in implementing malaria control strategies in Pakistan. Ghanchi NK, Shakoor S, Thaver AM, Khan MS, Janjua A and **Beg MA**. Critical reviews in microbiology. 2016 Aug;42(4):588-93. DOI: [10.3109/1040841X.2014.973368](https://doi.org/10.3109/1040841X.2014.973368).
23. Comparison of the clinical presentations of Primary Amoebic Meningoencephalitis with Acute Bacterial Meningitis: a case-control study. Zahid MF, Saad Shaukat MH, Ahmed B, **Beg MA**, Kadir MM and Mahmood SF. 2016 Aug;44(4):505-11. DOI: [10.1007/s15010-016-0878-y](https://doi.org/10.1007/s15010-016-0878-y).

### **Year 2015**

24. MAD 20 alleles of merozoite surface protein-1(msp-1) are associated with severe Plasmodium falciparum malaria in Pakistan. Ghanchi NK, Hasan Z, Islam M and **Beg MA**. Journal of Microbiology, Immunology, and Infection. 2015 Apr;48(2):213-8. DOI: [10.1016/j.jmii.2014.01.004](https://doi.org/10.1016/j.jmii.2014.01.004).
25. Vivax malaria and chloroquine resistance: a neglected disease as an emerging threat. Waheed AA, Ghanchi NK, RehmanKA, Raza A, Mahmood SF, **Beg MA**. Malaria journal. 14 (1), 146, 2015. DOI: [10.1186/s12936-015-0660-0](https://doi.org/10.1186/s12936-015-0660-0).
26. Knowledge, attitude and practices of healthcare personnel regarding the transmission of pathogens via fomites at a tertiary care hospital in Karachi, Pakistan Aftab HB, Zia B, Zahid MF, Raheem A and **Beg MA**. Open Forum Infectious Diseases. 2015 Dec 22;3(1):ofv208. DOI: [10.1093/ofid/ofv208](https://doi.org/10.1093/ofid/ofv208).

### **Year 2014**

27. Ophthalmomyiasis externa caused by the sheep botfly Oestrus ovis: a case report from Karachi, Pakistan. Fasih N, Qaiser KN, Bokhari SA, Jamil B and **Beg MA**. 2014; 4(10), 835-837. [https://ecommons.aku.edu/pakistan\\_fhs\\_mc\\_pathol\\_microbiol/519](https://ecommons.aku.edu/pakistan_fhs_mc_pathol_microbiol/519).
28. Tumour necrosis factor, interleukin-6 and interleukin-10 are possibly involved in Plasmodium vivax-associated thrombocytopenia in southern Pakistani

- population. Raza A, Khan MS, Ghanchi NK, Raheem A and **Beg MA**. Malar J. 2014 Aug 16;13:323. DOI: [10.1186/1475-2875-13-323](https://doi.org/10.1186/1475-2875-13-323).
29. The emerging threat of schistosomiasis spread in Pakistan. Subhani F1, Nizamuddin R1, Qasim A, Idrees N, Ahmed I, Nizami S, Shakoor S and **Beg MA**. Trop Biomed. 2014 Mar;31(1):118-21.
30. Colonoscopic diagnosis of trichuris trichiura in a patient with pulmonary tuberculosis; there is more than what meets the eye. Salat H, Salat MS and **Beg MA**. J Pak Med Assoc. 2014 Dec; 64(12):1438-9.

### **Year 2013**

31. Reducing Transfusion associated- malaria in Pakistan: an algorithmic approach. Sobani ZA, Jabeen M, Ahmed N, Ghanchi NK, Wasay M, Moiz B and **Beg MA**. Tropical Doctor. 2013 Jul;43(3)124-7. DOI: [10.1177/0049475513486897](https://doi.org/10.1177/0049475513486897).
32. Hyper-reactive Malarial Splenomegaly in the absence of raised IgM Antibodies. Haider M, Nizami S, Qureshi A, Raza A, Mahar FK and **Beg MA**. Tropical Doctor. 2013 Jan;43(1):37-8. DOI: [10.1177/0049475512473602](https://doi.org/10.1177/0049475512473602).
33. Genetic diversity of Plasmodium vivax clinical isolates from Southern Pakistan using PVCSP and pvmsp1 genetic markers. Raza, A., Ghanchi, N.K., Thaver, A.M, Jafri S and **Beg MA**. Malaria Journal. 2013 (Jan); 12:16. <https://doi.org/10.1186/1475-2875-12-16>.
34. Severe Plasmodium vivax malaria: an emerging reality. Zubairi AS, Nizami S, Raza A, Mehraj V, Rasheed AF, Ghanchi NK, Khaled ZN, Smego RA Jr and **Beg MA**. Emerging Infectious Diseases. 2013 Nov;19(11):1851-4. DOI: [10.3201/eid1911.130495](https://doi.org/10.3201/eid1911.130495).
35. Prevalence and molecular basis of G6PD deficiency in Afghan populations and implications for treatment policy in the region Leslie T, Moiz B, Mohammad N, Amanzai O, Ur Rasheed H, Jan S, Siddiqi AM, Nasir A, **Beg MA** and Vink M. Malaria Journal. 2013 Jul 8;12:230. DOI: [10.1186/1475-2875-12-230](https://doi.org/10.1186/1475-2875-12-230).
36. The Evolutionary History of Plasmodium vivax as Inferred from Mitochondrial Genomes: Parasite Genetic Diversity in the Americas. Taylor JE, Pacheco MA, Bacon DJ, **Beg MA**, Machado RL, Fairhurst RM, Herrera S, Kim JY, Menard D, Póvoa MM, Villegas L, Mulyanto, Snounou G, Cui L, Zeyrek FY and Escalante AA. Mol Biol Evol. 2013 Sep;30(9):2050-64. DOI: [10.1093/molbev/mst104](https://doi.org/10.1093/molbev/mst104).

37. Prevalence of drug resistance mutations in *Plasmodium vivax* against sulphadoxine-primethamine in southern Pakistan. Raza A, Ghanchi NK, Khan MS and **Beg MA**. *Malar J*. 2013 Jul 26;12(1):261. DOI: [10.1186/1475-2875-12-261](https://doi.org/10.1186/1475-2875-12-261).
38. Tumor necrosis factor - $\alpha$ , interleukin-10, intercellular and vascular adhesion molecules are possible biomarkers of disease severity in complicated *Plasmodium vivax* isolates from Pakistan. Raza A, Ghanchi NK, Zubairi AS, Raheem AH Nizami S and **Beg MA**. *PLOS ONE*. 2013 Dec 4;8(12):e81363. DOI: [10.1371/journal.pone.0081363](https://doi.org/10.1371/journal.pone.0081363).
39. Professionalism in medical students at a private medical college in Karachi, Pakistan. Sobani ZU, Mohyuddin MM, Farooq F, Qaiser KN, Gani F, Bham NS, Raheem A, Mehraj V, Saeed SA, Sharif H, Sheerani M, Zuberi RW and **Beg MA**. *J Pak Med Assoc*. 2013 Jul; 63(7):935-9.
40. Population genetics and drug resistance markers: Essential for malaria surveillance in Pakistan. Raza A and **Beg MA**. *Journal of the College of Physicians and Surgeons Pakistan*. 2013 Dec;23(12):878-84.

## **Year 2012**

41. Entamoeba species associated with chronic diarrhoea in Pakistan. Yakoob J, Abbas Z, **Beg MA**, Naz S, Khan R, Jafri W. *Epidemiol Infect*. 2012 Feb;140(2):323-8. DOI: [10.1017/S0950268811000215](https://doi.org/10.1017/S0950268811000215).
42. Microsporidial infections due to *Encephalitozoon intestinalis* in non-HIV-infected patients with chronic diarrhoea. Yakoob J, Abbas Z, **Beg MA**, Jafri W, Naz S, Khalid A and Khan R. *Epidemiol Infect*. 2012 Oct;140(10):1773-9. DOI: [10.1017/S0950268811002639](https://doi.org/10.1017/S0950268811002639).
43. Mental health in the wake of flooding in Pakistan: an ongoing humanitarian crisis. Bhamani A, Sobani ZA, Baqir M, Bham NS, **Beg MA**, Fistein E. *J Coll Physicians Surg Pak*. 2012 Jan;22(1):66-8. doi: 01.2012/JCPSP.6668. Review. Erratum in: *J Coll Physicians Surg Pak*. 2012 Mar;22(3):198.
44. Genetic backgrounds of the *Plasmodium falciparum* chloroquine resistant transporter (PFCRT) alleles in Pakistan. Rawasia WF, Sridaran S, Patel JC, Abdallah J, Ghanchi NK, Barnwell JW, Escalante AA, Udhayakumar V and **Beg MA**. *Infect Genet Evol*. 2012 Mar;12(2):278-81. DOI: [10.1016/j.meegid.2011.11.008](https://doi.org/10.1016/j.meegid.2011.11.008).
45. Infectious diseases amidst the aftermath of the Monsoon Floods in Pakistan. Baqir M, Sobani ZA, Bham NS, Bhamani A, Abid S, Farook J and **Beg MA**. *Asian Pacific Journal of Tropical Biomedicine*. 2012; 2(1):76-9. DOI: [10.1016/S2221-1691\(11\)60194-9](https://doi.org/10.1016/S2221-1691(11)60194-9).

46. Mental health in the wake of flooding in Pakistan: an on-going humanitarian crisis? E.Fistein, Bhamani A., Sobani ZA, Baqir M, Bham NS and **Beg MA**. JCPSP. 2012 Jan;22(1):66-8.

### **Year 2011**

47. Use of Parasep filter fecal concentrator tubes for the detection of intestinal parasites in stool samples under routine conditions. Zeeshan M, Zafar A, Saeed Z, Irfan S, Sobani ZA, Shakoor S, **Beg MA**. Indian J Pathol Microbiol. 2011 Jan-Mar;54(1):121-3. DOI: [10.4103/0377-4929.77358](https://doi.org/10.4103/0377-4929.77358).
48. Neurological involvement in patients with falciparum malaria; frequency and prognostic value. Wasay M, Taqi A, Aziz H, Azam I, **Beg MA**. Clin Neurol Neurosurg. 2011 Feb; 113(2):104-106. DOI: [10.1016/j.clineuro.2010.09.010](https://doi.org/10.1016/j.clineuro.2010.09.010).
49. Primary Amebic Meningoencephalitis caused by Naegleria fowleri, Karachi, Pakistan. Shakoor S, **Beg MA**, Mahmood SF, Bandea R, Sriram R, Noman F, et al. Emerg Infect Dis. 2011 Feb; 17(2):258-261. doi: [10.3201/eid1702.100442](https://doi.org/10.3201/eid1702.100442).
50. Plant root hair in tap water: A potential cause for diagnostic confusion. Shakoor S, Wasay M, Zafar A, **Beg MA**. Korean J Lab Med. 2011 Jan; 31(1):44-46. DOI: [10.3343/kjlm.2011.31.1.44](https://doi.org/10.3343/kjlm.2011.31.1.44).
51. Prevalence of resistance associated polymorphisms in Plasmodium falciparum field isolates from Southern Pakistan. Ghanchi NK, Ursing J, **Beg MA**, Veiga MI, Jafri S, Mårtensson A. Malar J. 2011 Jan; 10(1):18. DOI: [10.1186/1475-2875-10-18](https://doi.org/10.1186/1475-2875-10-18).
52. Assessing the need for training: General Practitioner's Knowledge Attitude and Practice (KAP) concerning dengue and malaria in Karachi, Pakistan. Sobani ZA, Thaver AM, Qazi F, Khan M, Zafar A and **Beg MA**. International Health. 2011 (3).126-130. DOI: [10.1016/j.inhe.2011.03.001](https://doi.org/10.1016/j.inhe.2011.03.001).
53. A case of cellulitis of the hands caused by a predatory bird attack. Khan MAA, Farid M, Sobani ZA, Ali SN, Malick H, Baqir M, Sharif H and **Beg MA**. Asian Pacific Journal of Tropical BioMedicine. 2011 Apr;1(2):166-8. DOI: [10.1016/S2221-1691\(11\)60019-1](https://doi.org/10.1016/S2221-1691(11)60019-1).
54. In vitro sensitivity of Blastocystis hominis to garlic, ginger, white cumin and black pepper used in diet. Yakoob J, Abbas Z, **Beg MA**, Naz S, Awan S, Hamid S, Jafri W. Parasitology Research. 2011 Aug;109(2):379-85. DOI: [10.1007/s00436-011-2265-z](https://doi.org/10.1007/s00436-011-2265-z).

55. Efficacy and safety of quinine loading dose in patients at a tertiary care hospital in Karachi, Pakistan with moderate to severe *Falciparum* malaria. Tariq M, Mehraj V, Samdani AJ, Kazmi SH, Ayaz SI, Riaz M, Patel MJ, Akhtar J and **Beg MA**. *J Pak Med Assoc* 2011; 61(1):27-31.

## **Year 2010**

56. Cutaneous leishmaniasis in a soldier. Moiz B, **Beg MA**, Ali N. *Indian J Pathol Microbiol.* 2010 Oct-Dec; 53(4):903-4. DOI: [10.4103/0377-4929.59222](https://doi.org/10.4103/0377-4929.59222).
57. Irritable bowel syndrome: Is it associated with genotypes of *Blastocystis hominis*. Yakoob J, Jafri W, **Beg MA**, Abbas Z, Naz S, Islam M, et al. *Parasitol Res.* 2010 Apr; 106(5): 1033-1038. DOI: [10.1007/s00436-010-1761-x](https://doi.org/10.1007/s00436-010-1761-x).
58. Genetic diversity among *Plasmodium falciparum* field isolates in Pakistan measured with PCR genotyping of the merozoite surface protein 1 and 2. Ghanchi NK, Mårtensson A, Ursing J, Jafri S, Bereczky S, Hussain R, **Beg MA**. *Malar J.* 2010 Jan 1; 9:1. <https://doi.org/10.1186/1475-2875-9-1>.
59. Hydatid cyst disease of the thorax. Fatimi SH, Butt NW, Saleem T and **Beg MA**. *RIF.* 2010 Mar; 1(1):42-48. [https://ecommons.aku.edu/pakistan\\_fhs\\_mc\\_surg\\_cardiothoracic/73](https://ecommons.aku.edu/pakistan_fhs_mc_surg_cardiothoracic/73).
60. *Blastocystis hominis* and *Dientamoeba fragilis* in patients fulfilling irritable bowel syndrome criteria. Yakoob J, Jafri W, **Beg MA**, Abbas Z, Naz S, Islam M, et al. *Parasitol Res.* 2010 Aug; 107(3):679-84. DOI: [10.1007/s00436-010-1918-7](https://doi.org/10.1007/s00436-010-1918-7).
61. Gastrointestinal helminthiasis presenting with acute diarrhoea: Report of two cases with a second pathology. Sobani ZA, Shakoor S, Malik FN, Malik EZ and **Beg MA**. *Trop Biomed.* 2010 Aug; 27(2): 348-350.
62. Desensitisation of medical students towards the dying. Sobani ZA, Ahmed N, Bhamani A, Sharif H and **Beg MA**. *Med Educ.* 2010 Nov; 44(11); 1152. DOI: [10.1111/j.1365-2923.2010.03804.x](https://doi.org/10.1111/j.1365-2923.2010.03804.x).
63. An unusual urinary tract infection! Myiasis. Shakoor S and **Beg MA**. *Neth J Med.* 2010 Oct; 68(10):323-326.
64. Prevalence of *Giardia lamblia* and *Cryptosporidium parvum* infection in adults presenting with chronic diarrhoea. Yakoob J, Abbas Z, **Beg MA**, Naz S, Khan R, Islam M, et al. *Ann Trop Med Parasitol.* 2010 Sep; 104(6):505-510. DOI: [10.1179/136485910X12786389891209](https://doi.org/10.1179/136485910X12786389891209).

65. Trends in undergraduate teaching of parasitology in medical schools of Pakistan. Mehraj V, Saleem T, Lalani S, Sani N, Khan I, Afridi F, Irfan H, **Beg MA**. J Pak Med Assoc. 2010 Aug; 60(8):613-617.

### **Year 2009**

66. Estimation of parasite load using Rapid diagnostic test ICT Now Malaria P.f/P.v in Plasmodium falciparum malaria. Ghanchi NK, **Beg MA** and Hussain R. Scand J Infect Dis. 2009; 41(8):597-601.  
DOI: [10.1080/00365540903022832](https://doi.org/10.1080/00365540903022832).
67. Recurrent episodes of upper airway blockage associated with Ascaris lumbricoides causing cardiopulmonary arrest in a young patient. Hussain SJ, Zubairi ABN, Sultan N, **Beg MA** and Mehraj V. BMJ Case Reports. 2009;2009:bcr01.2009.1415. DOI: [10.1136/bcr.01.2009.1415](https://doi.org/10.1136/bcr.01.2009.1415).

### **Year 2008**

68. Comparative features and outcomes of malaria at a tertiary care hospital in Karachi, Pakistan. **Beg MA**, Sani N, Mehraj V, Jafri W, Khan MA, Malik A, et al. Int J Infect Dis. 2008 Jan; 12(1):37-42. Epub 2007 Jun 18.  
DOI: [10.1016/j.ijid.2007.04.006](https://doi.org/10.1016/j.ijid.2007.04.006).
69. Tungiasis: Consequences of delayed presentation/diagnosis. **Beg MA**, Mehraj V, Yakoob N, Pervez S, Saleem T, Zubari A, et al. Int J Infect Dis. 2008 Mar; 12(2):218-9. Epub 2007 Aug 21. DOI: [10.1016/j.ijid.2007.05.004](https://doi.org/10.1016/j.ijid.2007.05.004).
70. Prevalence and factors associated with intestinal parasitic infection among children in an urban slum of Karachi. Mehraj V, Hatcher J, Akhtar S Rafique G and **Beg MA**. PLoS One. 2008; 3(11):e 3680.  
DOI: [10.1371/journal.pone.0003680](https://doi.org/10.1371/journal.pone.0003680).
71. Transcuticular nutrient uptake by the filarial nematode parasite, Litomosoides sigmodontis. **Beg MA**, Tariq MU, Fistein JL, Ingram GA, Storey DM. Proceedings of Tenth European Multicollloquium of Parasitology, Paris, France. 2008 August; 24-29.

### **Year 2006**

72. Role of ICT malaria immunochromatographic test for rapid diagnosis of malaria. Harani MS, **Beg MA**, Khaleeq L, Adil NS, Kakepoto GN, Khurshid M. J Pak Med Assoc. 2006 Apr; 56(4):167-171.

73. First report of ophthalmomyiasis externa in Pakistan. Ali A, Feroze AH, Ferrar P, Abbas A, **Beg MA**. J Pak Med Assoc. 2006 Feb; 56(2):86-87.

### **Year 2005**

74. Rapid immunochromatography-based detection of mixed-species malaria infection in Pakistan. **Beg MA**, Ali SS, Haqee R, Khan MA, Qasim Z, Hussain R, et al. Southeast Asian J Trop Med and Public Health. 2005 May; 36(3):562-564.
75. Irritable bowel syndrome: The need to exclude Dientamoeba fragilis. Yakoob J, Jafri W, Jafri N, Khan R, Islam M, **Beg MA**, et al. Am J Trop Med Hyg. 2005 May; 72(5):501-502.  
[https://ecommons.aku.edu/pakistan\\_fhs\\_mc\\_med\\_gastroenterol/105](https://ecommons.aku.edu/pakistan_fhs_mc_med_gastroenterol/105).

### **Year 2004**

76. An experimental model for amoebic abscess production in the cheek pouch of the Syrian golden hamster, Mesocricetus auratus. **Beg MA**, Kobayashi S, Hussainy AS, Hamada A, Okuzawa E, Smego R Jr., et al. Parasitol Int. 2004 Sep; 53(3):247-254. DOI: [10.1016/j.parint.2004.02.002](https://doi.org/10.1016/j.parint.2004.02.002)
77. Irritable bowel syndrome: In search of an etiology: role of Blastocystis hominis. Yakoob J, Jafri W, Jafri N, Khan R, Islam M, **Beg MA**, et al. Am J Trop Med Hyg. 2004 Apr; 70(4):383-385.
78. In vitro susceptibility of Blastocystis hominis strains isolated from patients with irritable bowel syndrome. Yakoob J, Jafri W, Jafri N, Islam M, **Beg MA**. Br J Biomed Sci. 2004; 61(2):75-77. DOI: [10.1080/09674845.2004.11732647](https://doi.org/10.1080/09674845.2004.11732647).
79. Emerging drug-resistance and guidelines for treatment of malaria. Khan MA, Smego R Jr., Razi ST and **Beg MA**. J Coll Physicians Surg Pak. 2004 May; 14(5):319-324.

### **Year 2003**

80. Percutaneous aspiration-injection-reaspiration drainage plus albendazole or mebendazole for hepatic cystic echinococcosis: A meta-analysis. Smego R Jr., Bhatti S, Khaliq AA and **Beg MA**. Clin Infect Dis. 2003 Oct 15; 37(8):1073-83. DOI: [10.1086/378275](https://doi.org/10.1086/378275).

### **Year 2002**

81. Cerebral involvement in benign tertian malaria. **Beg MA**, Hussain R, Khan R, Baig SM, Gulzar Z and Smego RA Jr. Am J Trop Med Hyg. 2002 Sep; 67(3):230-232. DOI: [10.4269/ajtmh.2002.67.230](https://doi.org/10.4269/ajtmh.2002.67.230).

82. In vitro sensitivity of Plasmodium falciparum to chloroquine in Karachi, Pakistan. **Beg MA**, Akhtar S, Gilani AH and Hussain R. Proceedings of the Tenth International Congress of Parasitology, Vancouver, Canada. 2002 Aug 4-9; 487-491.

### **Year 2001**

83. Tropical pulmonary eosinophilia and filariasis in Pakistan. **Beg MA**, Naqvi A, Zaman V and Hussain R. Southeast Asian J Trop Med and Public Health. 2001 Mar; 32(1): 73-75.

### **Year 2000**

84. Rapid diagnostic modalities for malaria (Invited Editorial). Smego RA Jr, **Beg MA**. J Pak Med Assoc. 2000 Dec; 50(12):398-399.
85. Risk of imported filariasis in Pakistan. **Beg MA**. J Pak Med Assoc. 2000 Jan; 50(1):33-35.

### **Year 1996**

86. Activities of glycogen phosphorylase, alanine aminotransferase in adult worms of Litomosoides carinii recovered from pyridoxine deficient cotton rats (Sigmodon hispidus). **Beg MA**, Fistein, JL, Ingram GA and Storey DM. Parasitology, 1996 Feb; 112 (Pt. 2):227-232.  
DOI: [10.1017/s0031182000084808](https://doi.org/10.1017/s0031182000084808).

### **Year 1995**

87. The host-parasite relationships in pyridoxine (vitamin B6) deficient cotton rats infected with Litomosoides carinii (Nematode Filaroidia). **Beg MA**, Fistein. JL and Storey DM. Parasitology. 1995 Jul; 111 (Pt. 1):111-118.  
DOI: [10.1017/s0031182000064660](https://doi.org/10.1017/s0031182000064660).

### **Year 1994**

88. Plasma Pyridoxal-5-Phosphate levels in vitamin B6 deficient cotton rats during Litomosoides carinii infection. **Beg MA**, Ingram, GA and Storey DM. J Nutr Immunol. 1994 May; 2(3):23-36. [https://doi.org/10.1300/J053v02n03\\_04](https://doi.org/10.1300/J053v02n03_04).

### **Year 1993**

89. Embryogenesis in Litomosoides carinii from pyridoxine deficient cotton rats. **Beg MA** and Storey DM. J Helminthol. 1993 Sep; 67(3):205-12.  
DOI: [10.1017/s0022149x00013146](https://doi.org/10.1017/s0022149x00013146).

## **Book chapters:**

1. Advance Directives Across Asia :AComparive SociolegalAnalysis Editors Daisy Cheung and Prof Michael Dunn, **Cambridge university press 2022 In Press**  
**Beg.MA**, Hussain E, Hamid.A, Khan.N  
**Chapter:** Advance Directives in Pakistan: Analysis of legal, social, cultural and ethical issues related to end of life care.
2. **Beg MA** “Guidelines for Diagnosis and Management of Common Infectious Diseases in Adults in Pakistan” MMIDSP Ed Salahuddin 1<sup>st</sup> Edition January 2015.
3. **Beg MA**, Zaman V. Handbook of Medical Parasitology, 4<sup>th</sup> Edition. (In Preparation)
4. **Beg MA**, Hussain E, Khan N, Hamid A and Waqar MA. Advance Directives in Pakistan: Religious, Cultural and Social Influences. Chapter No.15.
5. **Beg MA** chapter contributor. ADVANCE DIRECTIVES ACROSS ASIA. A Comparative Sociolegal Analysis.