

Publication 2025

1. *Khair RZA, Elkhayrate HYA, Ibrahim MTMM, Fahal AH. Pattern of Limb Ischemia in Khartoum, International Journal of Medical Case Reports and Reviews. 2024;3(5):1- 4. DOI: 10.59657/2837-8172.brs.23.052*
2. *Mohamed AF, Saeed AA, Mohamoud MA, Jama AA, Fahal AH. Mycetoma in Somalia: an updated literature review. Ann Med Surg (Lond). 2025 Jan 9;87(1):204-208. doi: 10.1097/MS9.0000000000002851. eCollection 2025 Jan. PMID: 40109607*
3. *Chandler DJ, Davey G, Hay RJ, Fahal A; Mycetoma Activity and Severity clinical Scale (MASS) expert panel. Development of the Mycetoma Activity and Severity clinical Scale (MASS): an international Delphi study. Lancet Infect Dis. 2025 Feb 26:S1473-3099(24)00808-9. doi: 10.1016/S1473-3099(24)00808-9. Epub ahead of print. PMID: 40023182.*
4. *Fahal AH, Smith DJ, Saeed AA, Nyaoke B, Alves F, Asiedu K, Hay R. Global health initiatives and mycetoma management: the unmet promise. Trans R Soc Trop Med Hyg. 2025 Feb 4:traf001. doi: 10.1093/trstmh/traf001. Epub ahead of print. PMID: 39901853.*
5. *Hussein SME, Saeed AA, Fahal AH. Mycetoma management: Therapeutic challenges and the role of pharmacovigilance. PLoS Negl Trop Dis. 2025 Feb 20;19(2):e0012827. doi: 10.1371/journal.pntd.0012827. PMID: 39977423.*
6. *Yoshioka I, Fahal AH, Kaneko S, Cao W, Yaguchi T. Itraconazole resistance in *Madurella fahalii* linked to a distinct homolog of the gene encoding cytochrome P450 14- α sterol demethylase (CYP51). PLoS Negl Trop Dis. 2025 Mar 27;19(3):e0012623. doi: 10.1371/journal.pntd.0012623. PMID: 40146733; PMCID: PMC11964275.*
7. *Ouangré A, Yerbanga IW, Savadogo I, Ouédraogo H, Bado ND, Nagalo A, Traoré F, Dem AK, Bouda SAK, Koulybari DFD, Sawadogo A, Nakanabo Diallo S, Gangneux JP, Fahal AH, Bamba S. Burden of mycetoma in Burkina Faso: case series and systematic review. Trans R Soc Trop Med Hyg. 2025 Feb 28:traf015. doi: 10.1093/trstmh/traf015. Epub ahead of print. PMID: 40036719.*
8. *Fahal AH, Ahmed ES, Saeed AA, Fahal LA, Hussein SME, Nakano K, Hata K, Alves F, Nyaoke BA. A balancing act: Navigating the advantages and challenges of pioneering mycetoma treatment in Sudan-A landmark trial by the Mycetoma Research Center. PLoS Negl Trop Dis. 2025 Apr 21;19(4):e0013000. doi: 10.1371/journal.pntd.0013000. PMID: 40257994; PMCID: PMC12011228.*
9. *Konings M, Siddig E, Eadie K, Minlekib CP, Faye M, Sow D, Fahal A, Verbon A, van de Sande W. The development of a multiplex recombinase polymerase amplification reaction to detect the most common causative agents of eumycetoma. Eur J Clin Microbiol Infect Dis. 2025 Apr 30. doi: 10.1007/s10096-025-05134-4. Epub ahead of print. PMID: 40304898.*
10. *Ma J, Eadie K, Konings M, Fahal A, Verbon A, van de Sande WWJ. Ibrexafungerp prolongs survival and reduces the eumycetoma grain size in *Galleria mellonella* infection models of two different causative agents of eumycetoma. J Antimicrob Chemother. 2025 Apr 30:dkaf133. doi: 10.1093/jac/dkaf133. Epub ahead of print. PMID: 40304084.*

11. Abdulazeem Abbass O, Hassan AAA, Hamed RHA, Saeed AA, Fahal AH. *Orbital actinomadura madurae actinomycetoma: Case report and literature review. PLoS Negl Trop Dis.* 2025 Apr 29;19(4):e0013035. doi: 10.1371/journal.pntd.0013035. PMID: 40299927; PMCID: PMC12040158.
12. Cavanaugh AM, Ribeiro Dos Santos A, Freitas DFS, Venturini J, Fahal A, Azevedo C, Gold JAW. *Quality of Life, Disability, and Fungal Neglected Tropical Diseases. Curr Fungal Infect Rep.* 2025 Apr;19(1):4. doi: 10.1007/s12281-025-00503-0. PMID: 40927623; PMCID: PMC12416368.
13. Chu WY, Fahal AH, Ahmed ES, Bakhiet SM, Bakhiet OE, Fahal LA, Mohamed AA, Mohamedelamin ESW, Bahar MEN, Attalla HY, Siddig EE, Mhmoud NA, Musa AM, Oyieko P, Egondi T, Brüggemann RJ, Hata K, Strub-Wourgaft N, Alves F, Nyaoke BA, Zijlstra EE, Dorlo TPC. *Pharmacokinetics and Pharmacodynamics of Fosravuconazole, Itraconazole and Hydroxyitraconazole in Sudanese Patients With Eumycetoma. J Infect Dis.* 2025 May 28;jjaf279. doi: 10.1093/infdis/jiaf279. Online ahead of print. PMID: 40433693.
14. Abugessaisa I, Konings M, Manabe RI, Murphy CM, Kawashima T, Hasegawa A, Takahashi C, Tagami M, Okazaki Y, Eadie K, Lim W, Doyle S, Verbon A, Fahal AH, Kasukawa T, van de Sande WWJ. *Iron regulatory pathways differentially expressed during Madurella mycetomatis grain development in Galleria mellonella. Nat Commun.* 2025 Jun 25;16(1):5324. doi: 10.1038/s41467-025-60875-2. PMID: 40562743; PMCID: PMC12198395.
15. Salah ME, Fearon Scales ML, Habib K, Alhamwi F, Abdelwahab S, Ahmed Y, Khalid MM, Smith DJ, Fahal A. *Global sociodemographic, clinical, and epidemiological profiling of patients with mycetoma: A systematic review. PLoS Negl Trop Dis.* 2025 Aug 14;19(8):e0013217. doi: 10.1371/journal.pntd.0013217. PMID: 40811735; PMCID: PMC12617881.
16. Mohammed Hussein, Elshimaa Ali, Yassin Kamal, Ali Elhouni, Yousif Eltayeb, Ali Awadella Saaed, Ahmed Hassan Fahal. *The Utility of Artificial Intelligence in the Management of Dengue Fever- Trans R S Trop Med Hyg- traf103, <https://doi.org/10.1093/trstmh/traf103>*
17. Hassan Fahal A, Ahmed AO, El Hassan L, Saeed AA. *The contribution of mycetoma grains to suboptimal disease management. Nat Commun.* 2025 Nov 7;16(1):9855. doi: 10.1038/s41467-025-64908-8. PMID: 41203632; PMCID: PMC12594801.
18. Erber, Astrid and Dahal, Prabin and Bonifaz, Alexandro and Brack, Matthew and Brodersen, Joanna and Harriss, Eli and Jeleff, Maren and Maguire, Brittany J. and Nyaoke, Borna and Regensburger, Sandra and Srambickal, Amala and Strub Wourgaft, Nathalie and Tirado-Sanchez, Andrés and Weichselberger, Tobias and Fahal, Ahmed H. and Zijlstra, Eduard E. and Guérin, Philippe J., *A Systematic Review of the Clinical Study Landscape for Eumycetoma, 1990-2024. Available at SSRN: <https://ssrn.com/abstract=5368722> or <http://dx.doi.org/10.2139/ssrn.5368722>*
19. Saeed AA, Hussein SME, Al Zamel AM, Eisa LB, Daud AOA, Seedahmed HSM, Ahmed FOI, Al-Jabali TAKT, Kheir E, Fahal AH. *Medical and health students' insights into mycetoma: A survey-based study on knowledge and clinical practices. PLoS Negl Trop Dis.* 2025 Oct 9;19(10):e0013583. doi: 10.1371/journal.pntd.0013583. PMID: 41066411; PMCID: PMC12510600.

20. *Bedaso WK, Wendimu DE, Hussein SME, Saeed AA. Clinical presentation and treatment outcomes of patients with mycetoma in Ethiopia: a case series. Trans R Soc Trop Med Hyg. 2025 Sep 15:traf098. doi: 10.1093/trstmh/traf098. Epub ahead of print. PMID: 40971770.*
21. *Kheir E, Ali Q, Fahal A. Obstacles to effective implementation of interprofessional education in Sudan. BMC Med Educ. 2025 Oct 17;25(1):1444. doi: 10.1186/s12909-025-08021-w. PMID: 41107818; PMCID: PMC12534976.*
22. *Yoshioka I, Fahal AH, Sow D, Kaneko S, Mori Y, Ban S, Yaguchi T. Simultaneous Detection of Four *Madurella* Species Using Loop-Mediated Isothermal Amplification (LAMP) for *Eumycetoma* Diagnosis. Mycopathologia. 2025 Oct 29;190(6):105. doi: 10.1007/s11046-025-01019-4. PMID: 41152542; PMCID: PMC12568910.*
23. *Smith DJ, E Silva de Azevedo CMP, Fahal A, Lipner SR, Grijzen ML, Hay R. Approach to Diagnosing and Managing Implantation Mycoses. Cutis. 2025 Sep;116(3):88-104. doi: 10.12788/cutis.1266. PMID: 41183475.*
24. *Lydia Mosi, Bishwanath Acharya, Kingsley Asiedu, Adeola Bamisaiye, M. Eric Benbow, Dziejzom De Souza, Lynne Elson, Ahmed Fahal, Roderick Hay, Ruth Nyangacha, Charles Quaye, Aisha Shitu Sa'id, Dallas Smith, and Heather Jordan. Integrated Action for Skin NTDs: Deconstructing Transmission, Addressing Knowledge Gaps, and Championing One Health Strategies" Nature Communications-accepted*