

Response to Reviewer 2 Comments

Dear Reviewer,

Thank you for all your work on our manuscript “Monkeypox (Mpox) and occupational exposure.” Your comments and suggestions were very useful and helped to improve the paper considerably. All your suggestions have been taken into account in the recent revision of the manuscript.

We have included completed references list to the manuscript.

References

1. Corrao, C.R.N.; Mazzotta, A.; La Torre, G.; de Giusti M. Biological risk and occupational health. *Ind. Health* 2012;50(4):326–337, <http://dx.doi.org/10.2486/indhealth>.
2. Martín-Delgado, M.C.; Martín Sánchez, F.J.; Martínez-Sellés, M.; Molero García, J.M.; Moreno Guillén, S. et al. Monkeypox in humans: a new outbreak. *Rev Esp Quimioter.* 2022, 35(6);509-518. doi: 10.37201/req/059.2022.
3. WHO World Health Organization, Monkeypox. Available online: <https://www.who.int/news-room/fact-sheets/detail/monkeypox> (accessed on 18.10.2022).
4. CDC Centers for Disease Control and Prevention, Monkeypox 2022 Outbreak Global Map. Available online: <https://www.cdc.gov/poxvirus/monkeypox/response/2022/index.html> (accessed on 28.10.2022.).
5. WHO World Health Organization. WHO recommends new name for monkeypox disease. Available online: <https://www.who.int/news/item/28-11-2022-who-recommends-new-name-for-monkeypox-disease> (accessed on 07.12.2022.).
6. CDC Centers for Disease Control and Prevention, Monkeypox Cases by Age and Gender, Race/Ethnicity, and Symptoms. Available online: <https://www.cdc.gov/poxvirus/monkeypox/response/2022/demographics.html> (accessed on 18.10.2022.).
7. WHO World Health Organization, Monkeypox outbreak 2022. Available online: <https://www.who.int/emergencies/situations/monkeypox-oubreak-2022> (accessed on 18.10.2022.).
8. Główny Inspektorat Sanitarny. Czynniki niebezpiecznych, szkodliwych lub uciążliwych w miejscu pracy (zagrożenia na stanowisku pracy). Available online: <https://www.gov.pl/web/gis/czynnikiow-niebezpiecznych-szkodliwych-lub-uciazliwych-w-miejscu-pracy-zagrozenia-na-stanowisku-pracy> (accessed on 03.02.2023.).
9. Obwieszczenie Marszałka Sejmu Rzeczypospolitej Polskiej z dnia 9 sierpnia 2022 r. w sprawie ogłoszenia jednolitego tekstu rozporządzenia Rady Ministrów w sprawie chorób zawodowych. Dz.U. 2009 nr 105 poz. 869 t.j. Dz. U. 2022 poz. 1836. Available online: <https://isap.sejm.gov.pl/isap.nsf/download.xsp/WDU20220001836/O/D20221836.pdf> (accessed on 07.02.2023).
10. Directive 2000/54/EC of the European Parliament and of the Council of 18 September 2000 on the protection of workers from risks related to exposure to biological agents at work (seventh individual directive within the meaning of Article 16(1) of Directive 89/391/EEC).
11. European Agency for Safety and Health at Work. Biological agents and prevention of work-related diseases: a review, Available online: <https://osha.europa.eu/en/publications/summary-biological-agents-and-prevention-work-related-diseases-review> (accessed 07.02.2023.).
12. Perez Duque, M.; Ribeiro, S.; Martins, J.V.; Casaca, P.; Pinto Leite, P.; Tavares M. et al. Ongoing monkeypox virus outbreak, Portugal, 29 April to 23 May 2022. *Euro Surveill* 2022;27(22):2200424. doi: 10.2807/1560-7917.ES.2022.27.22.2200424
13. Page, M.J.; McKenzie, J.E.; Bossuyt, P.M.; Boutron, I.; Hoffmann T.C.; Mulrow C.D.; et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. *BMJ* 2021;372:n71.
14. Nörz, D.; Pfefferle, S.; Brehm, T.T.; Franke, G.; Grewe, I. et al. Evidence of Surface Contamination in Hospital Rooms Occupied by Patients Infected with Monkeypox, Germany, June 2022. *Eurosurveillance*. 2022;27:2200477. doi: 10.2807/1560-7917.ES.2022.27.26.2200477.
15. Fleischauer, A.T.; Kile, J.C.; Davidson, M.; Fischer, M.; Karem, K.L. et al. Evaluation of human-to-human transmission of monkeypox from infected patients to health care workers. *Clin Infect Dis.* 2005 40(5):689-94. doi: 10.1086/427805.
16. Rao, A.K.; Petersen, B.W.; Whitehill, F.; Razeq, J.H.; Isaacs, S.N. et al. Use of JYNNEOS (Smallpox and Monkeypox Vaccine, Live, Nonreplicating) for Preexposure Vaccination of Persons at Risk for Occupational Exposure to Orthopoxviruses: Recommendations of the Advisory Committee on

- Immunization Practices — United States, 2022. *MMWR. US Department of Health and Human Services/Centers for Disease Control and Prevention*, 2022, 71(2), 734-742. doi: 10.15585/mmwr.mm7122e1
17. Vaughan, A.; Aarons, E.; Astbury, J.; Brooks T.; Chand, M. et al. Human-to-Human Transmission of Monkeypox Virus, United Kingdom, October 2018. *Emerging Infectious Diseases*. 2020, 26(4), 782-785. doi: 10.3201/eid2604.191164
 18. Petersen, B.W.; Kabamba, J.; McCollum A.M.; Lushima, R.S.; Wemakoy, E.O. et al. Vaccinating against Monkeypox in the Democratic Republic of the Congo. *Antivir. Res.* 2019;162:171–177. doi: 10.1016/j.antiviral.2018.11.004
 19. Erez, N.; Achdout, H.; Milrot, E.; Schwartz, Y.; Wiener-Wellet, Y. et al. Diagnosis of imported monkeypox, Israel, 2018. *Emerg Infect Dis.* 2019;25:980–983. doi: 10.3201/eid2505.190076.
 20. Kyaw, W.M.; Vasoo, S.; Ho, H.J.A.; Chan, M.; Yeo, T.; et al. Monitoring healthcare professionals after monkeypox exposure: experience from the first case imported to Asia. *Infect Control Hosp Epidemiol* 2020;41:373–375. doi: 10.1017/ice.2019.362.
 21. Rao, A.K.; Schulte, J.; Chen, T.H.; Hughes, C.M.; Davidson W. et al. Monkeypox in a traveler returning from Nigeria— Dallas, Texas, July 2021. *Morb Mortal Wkly Rep* 2022;71:509–516. doi: 10.15585/mmwr.mm7114a1.
 22. Costello, V.; Sowash, M.; Gaur, A.; Cardis, M.; Pasiaka, H. et al. Imported monkeypox from international traveler, Maryland, USA, 2021. *Emerg Infect Dis* 2022;28: 1002–1005. doi: 10.3201/eid2805.220292
 23. Hobson, G.; Adamson, J.; Adler, H.; Firth, R.; Gould, S. et al. Family cluster of three cases of monkeypox imported from Nigeria to the United Kingdom, May 2021. *Euro Surveill* 2021;26:2100745. doi: 10.2807/1560-7917.ES.2021.26.32.2100745
 24. Marshall, K.E.; Barton, M.; Nichols, J.; de Perio, M.A.; Kuhar, D.T.; et al. Health Care Personnel Exposures to Subsequently Laboratory-Confirmed Monkeypox Patients — Colorado, 2022. *MMWR. US Department of Health and Human Services/Centers for Disease Control and Prevention*, 2022, 71(38), 1216-1219. doi: 10.15585/mmwr.mm7138e2.
 25. Samaranayake, L.; Anil, S; The Monkeypox Outbreak and Implications for Dental Practice. *International Dental Journal*. 2022, 72, 589-596. doi: 10.1016/j.identj.2022.07.006.
 26. Huhn, G.D.; Bauer, A.M.; Yorita, K.; Graham, M.B.; Sejvar J. et al. Clinical characteristics of human monkeypox, and risk factors for severe disease. *Clin Infect Dis*. 2005 Dec 15;41(12):1742-51. doi: 10.1086/498115.
 27. Zemouri, C.; de Soet, H.; Crielaard, W.; Lahei, A. A scoping review on bio-aerosols in healthcare and the dental environment. *PLoS One* 2017; doi: 10.1371/journal.pone.0178007.
 28. Croft, D.R.; Sotir, M.J.; Williams, C.J.; Kazmierczak J.J.; Wegner, M.V. et al. Occupational Risks during a Monkeypox Outbreak, Wisconsin, 2003. *Emerging Infectious Diseases*. 2007, 13(8), 1150-1157. doi: 10.3201/eid1308.061365
 29. Dell, B.M.; Souza, M.J.; Willcox, A.S. Attitudes, Practices, and Zoonoses Awareness of Community Members Involved in the Bushmeat Trade near Murchison Falls National Park, Northern Uganda. *PLoS ONE*. 2020;15:e0239599. doi: 10.1371/journal.pone.0239599.
 30. Philpott, D.; Hughes, C.M.; Alroy, K.A.; Kerins, J.L.; Pavlick, J. et al. Epidemiologic and clinical characteristics of Monkeypox cases—United States, May 17–July 22, 2022. *Morbidity and Mortality Weekly Report*, 71. Available online: <https://www.cdc.gov/mmwr/volumes/71/wr/mm7132e3.htm> (accessed on 24.10.2022.)
 31. Heskin, J.; Belfield, A.; Milne, C. et al. Transmission of monkeypox virus through sexual contact—a novel route of infection. *J Infect*. 2022 doi: 10.1016/j.jinf.2022.05.028
 32. Antinori, A.; Mazzotta, V.; Vita, S. et al. Epidemiological, clinical and virological characteristics of four cases of monkeypox support transmission through sexual contact, Italy, May 2022. *Euro Surveill*. 2022;27(22):2200421. doi: 10.2807/1560-7917.ES.2022.27.22.2200421.
 33. Noe, S., Zange, S.; Seilmaier, M. et al. Clinical and virological features of first human monkeypox cases in Germany. *Infection*. 2022 doi: 10.1007/s15010-022-01874
 34. Thornhill, J.P.; Barkati, S.; Walmsley, S.; et al. Monkeypox virus infection in humans across 16 countries—April–June 2022. *N Engl J Med*. 2022.25;387(8):679-691. doi: 10.1056/NEJMoa2207323.
 35. Lapa, D.; Carletti, F.; Mazzotta, V.; Matusali, G.; Pinnetti, C. et al. Monkeypox virus isolation from a semen sample collected in the early phase of infection in a patient with prolonged seminal viral shedding. *The Lancet Infectious Disease*. 2022, 22(9), 1267-1269. doi: 10.1016/S1473-3099(22)00513-8.
 36. Strathdee, S.A.; Crago, A.-L.; Shannon, K. Harm reduction and rights-based approaches to reduce monkeypox transmission among sex workers. *The Lancet Infectious Disease*. 2022, 12;S1473-3099(22)00661-2. doi: 10.1016/S1473-3099(22)00661-2

37. Riccò, M.; Ferraro, P.; Camisa, V.; Satta, E.; Zaniboni, A. et al. When a Neglected Tropical Disease Goes Global: Knowledge, Attitudes and Practices of Italian Physicians towards Monkeypox, Preliminary Results. *Trop. Med. Infect. Dis.* 2022;7:135. doi: 10.3390/tropicalmed7070135.
38. Riad, A.; Drobov, A.; Rozmarinová, .,; Drapáčová, P.; Klugarová, J. et. Al. Monkeypox Knowledge and Vaccine Hesitancy of Czech Healthcare Workers: A Health Belief Model (HBM)-Based Study. *Vaccines* (Basel). 2022. 26;10(12):2022. Doi: 10.3390/vaccines10122022.
39. Palmore, T.N.; Henderson, D.K. Adding New Fuel to the Fire: Monkeypox in the Time of COVID-19- Implications for Health Care Personnel. *Ann. Intern. Med.* 2022;175:1183–1184. doi: 10.7326/M22-1763.
40. Koenig, K.L.; Bej, C.K.; Marty, A.M. Monkeypox 2022: A Primer and Identify-Isolate-Inform (3I) Tool for Emergency Medical Services Professionals. *Prehospital Disaster Med.* 2022;37:1–6. doi: 10.1017/S1049023X22001121.
41. Koenig, K.L.; Bej, C.K.; Marty, A.M. Monkeypox 2022 Identify-Isolate-Inform: A 3I Tool for frontline clinicians for a zoonosis with escalating human community transmission. *One Health.* 2022;15:100410. doi: 10.1016/j.onehlt.2022.100410.
42. Dutkiewicz J. Biologiczne czynniki zagrożenia zawodowego – aktualne problemy. *Medycyna Pracy* 2004; 55 (1): 31–40