

Review Form 1.7

Journal Name:	Archives of Current Research International
Manuscript Number:	Ms_ACRI_97058
Title of the Manuscript:	MPOX DISEASE PRESENTATION WITH PREDOMINANT GENITAL SYMPTOMS IN A PATIENT IN RIVERS STATE, NIGERIA: A CASE REPORT
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1- manuscript important for scientific infectious community</p> <p>2- Suggested title of the article: Monkeypox DISEASE WITH PREDOMINANT GENITAL SYMPTOMS: A Nigeran CASE REPORT</p> <p>3- abstract of the article: remove unnecessary data</p> <p>4- subsections and structure of the manuscript must be edited and revised</p> <p>5- manuscript is scientifically correct after revision</p> <p>6- references insufficient and recent ones are needed. Also, most of references in the text were not applied to reference section</p> <p><u>Inflammatory and immunological basis of the disease are missed in your case. I help you and herein my advice to add this paragraph and these references to enrich your presentation:</u></p> <p>Toll like receptor 2 and 4 (TLR2 and TLR4) play a considerable role in the host defense against microorganism [1] and elicit major contributions to the pathogenesis of MPXV, as the later inhibit TLRs-dependent innate responses [2]. In combatting monkeypox infections, CD4 + T cells are complex and priming CD8 + T cells to differentiate into effector and memory T cells to promote B cells-dependent antibody responses [3]. CD11a is to normal lymphocyte development [4] Studies confirm that NK cells are infected with MPXV, are often associated with a Th1 response, NK-cell activation, IFN-γ production, and T-cell activation [5]. TGF-β1 suppresses the functions of Th1 and Th2, NK cells, and CD4+ effector cells, and promotes generation of Treg cells. While promotion of immune responses; TGF-β1 induces the generation of Th1 cells in combination with IL-6 [6]. [7] IL-10 is an immune-regulatory cytokine having anti-tumor effect [7] And observed in patients with serious MPV disease [8].</p> <p>[1] Abdel Hamed MR, Elgendy SG, El-Mokhtar MA, Sayed D, Mansour SM, Darwish AM. T-lymphocytes Expression of Toll-like Receptors 2 and 4 in Acute Myeloid Leukemia Patients with Invasive Fungal Infections. Mediterr J Hematol Infect Dis. 2022 Mar 1;14(1):e2022022. doi: 10.4084/MJHID.2022.022. PMID: 35444773; PMCID: PMC8992612.</p> <p>[2] Franklin E., Khan A.R. Poxvirus antagonism of innate immunity by Bcl-2 fold proteins. J Struct Biol. 2013;181(1):1–10. [PubMed] [Google Scholar] [Ref list]</p> <p>[3] Sant A.J., McMichael A. Revealing the role of CD4+ T cells in viral immunity. J. Exp. Med. 2012;209(8):1391–1395. [PMC free article] [PubMed] [Google Scholar] [Ref list]</p> <p>[4] Abdel Hameed MR, Nafady HA, Mostafa MI, Sayed D, Obiedallah AA. Possible Role of CD11a in Primary Immune Thrombocytopenia Patients on Immunosuppressive Therapy. J Blood Med. 2021;12:197-205 https://doi.org/10.2147/JBM.S300717</p> <p>[5] Saghazadeh A, Rezaei N. Poxviruses and the immune system: Implications for monkeypox virus. Int Immunopharmacol. 2022 Dec;113(Pt A):109364. doi: 10.1016/j.intimp.2022.109364. Epub 2022 Oct 22. PMID: 36283221; PMCID: PMC9598838.</p> <p>[6] Abdel Hamed MR, Ahmed YA, Adam EN, Bakry R, Elnaggar MG. sVCAM-1, and TGFβ1 in chronic phase, chronic myeloid leukemia patients treated with tyrosine kinase inhibitors. Egypt J Immunol. 2022 Oct;29(4):163-173. PMID: 36208045.</p> <p>[7] Mohammed D, Khallaf S, El-Naggar M. et al. (2021). Interleukin-10: A Potential Prognostic</p>	

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	Marker in Patients with Newly Diagnosed Multiple Myeloma. Research in Oncology. 17(1): 38-41. doi: 10.21608/resoncol.2021.51503.1127 [8] Johnston, Sara C., et al. "Cytokine modulation correlates with severity of monkeypox disease in humans." <i>Journal of Clinical Virology</i> 63 (2015): 42-45.	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	English editing is needed	
Optional/General comments	General comment: The manuscript contains unnecessary details. The text should be reviewed and edited to remove redundancy.	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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