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Scientific Editor: Ji-Hong Liu

Date of signature: 2023/09/22 (month/day/year)

Item No.	Specific items for verification	Comments Yes=[Y] No= [N]
1	<i>General Information of the Manuscript</i> Name of journal: World Journal of Methodology Manuscript NO.: 86965 Column: Minireviews Title: Machine learning and deep neural network-based learning in osteoarthritis knee Authors: Harish V K Ratna, Madhan Jeyaraman, Naveen Jeyaraman, Arulkumar Nallakumarasamy, Shilpa Sharma, Manish Khanna and Ashim Gupta Reviewer code: 05850701, and 03202427 First decision: 2023-09-13 07:32	[Y]

2	<p><i>Editorial Office's Comments</i></p> <p>Science Editor: The manuscript has been peer-reviewed, and it is ready for the first decision.</p> <p>Company Editor-in-Chief: I have reviewed the Peer-Review Report, full text of the manuscript, and the relevant ethics documents, all of which have met the basic publishing requirements of the World Journal of Methodology, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors. Please provide the original figure documents. Please prepare and arrange the figures using PowerPoint to ensure that all graphs or arrows or text portions can be reprocessed by the editor. In order to respect and protect the author's intellectual property rights and prevent others from misappropriating figures without the author's authorization or abusing figures without indicating the source, we will indicate the author's copyright for figures originally generated by the author, and if the author has used a figure published elsewhere or that is copyrighted, the author needs to be authorized by the previous publisher or the copyright holder and/or indicate the reference source and copyrights. Please check and confirm whether the figures are original (i.e. generated de novo by the author(s) for this paper). If the picture is 'original', the author needs to add the following copyright information to the bottom right-hand side of the picture in PowerPoint (PPT): Copyright ©The</p>	[Y]
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	<p><u>Minireview, Review, Therapeutics Advances, and Topic Highlight:</u> Non-structured abstract that is no less than 200 words.</p> <p><u>Field of Vision, Case Report and Letter to the Editor:</u> Non-structured abstract that is no less than 150 words.</p> <p><u>Research articles:</u> Structured abstract with subsections for AIM (no more than 20 words); METHODS (no less than 80 words); RESULTS (no less than 120 words); and CONCLUSION (no more than 26 words).</p>	
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15	The 'INTRODUCTION' section clearly describes the relevant background information for the study. Only the most relevant and current (within the past 5 years) literature is cited, with the exception of rare instances of seminal literature citations. All technical terms and/or abbreviations are explained and/or defined, with the full name of abbreviations given upon first appearance in the text and the abbreviation presented in parentheses [<i>i.e.</i> , "...computed tomography (CT)". First-person pronouns (<i>e.g.</i> , 'I', 'we') are used appropriately to clearly indicate the work performed by the author(s). When weaknesses of previous studies are described in the text to highlight the innovations related to the current study, the information is presented carefully.	[Y]
16	The 'MATERIALS AND METHODS' section clearly and accurately describes all materials and methods used to obtain the data presented in the article and is adequate for a reader to repeat the study.	[N]
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18	Statistical symbols are accurate. Statistical significance is expressed as ^a $P < 0.05$, ^b $P < 0.01$ ($P > 0.05$ usually does not need to be denoted). If there are other series of P values, ^c $P < 0.05$ and ^d $P < 0.01$ are used, and a third series of P values is expressed as ^e $P < 0.05$ and ^f $P < 0.01$. Statistical data is expressed as mean \pm SD or mean \pm SE.	[Y]

19	The 'DISCUSSION' section (1) describes the main purpose and hypothesis of the study; (2) summarizes the most important results; (3) illustrates and explains the results (but does not simply repeat the data) and draws conclusions or inferences based on the results; (4) points out the limitations of the study and their impact on the results, as well as proposes further advice on future research topic(s) or direction(s); and (5) describes the theoretical significance and practical value of the findings.	[Y]
20	The 'ACKNOWLEDGEMENTS' section expresses gratitude to any individuals or organizations for technical support (<i>i.e.</i> , providing instrumentation, equipment or experimental materials, and/or assistance in experimental work), non-technical services (<i>i.e.</i> , useful inspiration, suggestions, guidance, or review), and/or any other auxiliary work.	[N]
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