PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 76365

Title: Reflections on the prevalence of HLA-B27 and HLA-B51 co-occurrence in patients with Spondylarthritis

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05286441

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2022-03-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-14 13:33

Reviewer performed review: 2022-03-27 14:58

Review time: 13 Days and 1 Hour

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No

Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

If Patients with back pain have HLA-B27 positive, SpA may be the right diagnosis. There is a strong association between BD and HLA-B51/B5. However, there are very few cases with SpA and positive HLA-B51. If the author explains the role of HLA-B51 in the pathogenesis of SpA, it will be more convincing.

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No

Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

1. In the references cited by the authors (1-5), the rate of HLA-B27+HLA-B51 positivity is 18, not 23.   Authors should verify the numbers by checking the references. 2. There are no HLA-B27+HLA-B51 positive patients in the case reports of Lim et al. 3. I suggest putting + and - signs instead of Y and N in table 1.