

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 52394

**Title:** An analysis pathogenetic process of fungal rhinosinusitis: two case reports

**Reviewer's code:** 03307766

**Position:** Editorial Board

**Academic degree:** MD, MSc

**Professional title:** Assistant Professor, Doctor

**Reviewer's country:** Kazakhstan

**Author's country:** China

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2019-11-23 03:27

**Reviewer performed review:** 2019-11-23 05:50

**Review time:** 2 Hours

| SCIENTIFIC QUALITY                                     | LANGUAGE QUALITY   | CONCLUSION   | PEER-REVIEWER STATEMENTS                      |
|--|--|--|---|
| <input type="checkbox"/> Grade A: Excellent            | <input type="checkbox"/> Grade A: Priority publishing        | <input type="checkbox"/> Accept                    | Peer-Review:                                  |
| <input checked="" type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language             | (High priority)                                    | <input checked="" type="checkbox"/> Anonymous |
| <input type="checkbox"/> Grade C: Good                 | polishing  | <input type="checkbox"/> Accept                    | <input type="checkbox"/> Onymous              |
| <input type="checkbox"/> Grade D: Fair                 | <input checked="" type="checkbox"/> Grade C: A great deal of | (General priority)                                 | Peer-reviewer's expertise on the              |
| <input type="checkbox"/> Grade E: Do not               | language polishing   | <input type="checkbox"/> Minor revision            | topic of the manuscript:                      |
| publish  | <input type="checkbox"/> Grade D: Rejection                  | <input checked="" type="checkbox"/> Major revision | <input checked="" type="checkbox"/> Advanced  |
|  |  | <input type="checkbox"/> Rejection                 | <input type="checkbox"/> General              |
|  |  |  | <input type="checkbox"/> No expertise         |
|  |  |  | Conflicts-of-Interest:                        |
|  |  |  | <input type="checkbox"/> Yes                  |
|  |  |  | <input checked="" type="checkbox"/> No        |

### SPECIFIC COMMENTS TO AUTHORS

This is an interesting case reports enriched by the images that the authors could provide.

There are some main improvements that I would like to recommend: 1- the English language, that needs definitely an extensive professional editing; 2- a more detailed description (and maybe images) of the histopathological aspects, including the characteristics of the inflammatory infiltrates (in particular, what about eosinophils and Th2-driven inflammatory aspects and immune response). 3- the discussion, which should be shortened as regards the first three big paragraphs; whereas the final part, starting from “based in the analysis of the above two cases...”, should be expanded with a more detailed discussion about the immunopathological mechanisms leading to CRS and, in detail, fungal-related. In this regard, the authors should take advantage of some additional references and discuss the potential immune processes that can/might play a role in this kind of chronic inflammation (refer to: Ann Allergy Asthma Immunol. 2018 Jul;121(1):61-64. doi: 10.1016/j.anai.2017.10.008. Epub 2017 Nov 20 ; & Respir Med. 2018 Aug;141:94-99. doi: 10.1016/j.rmed.2018.06.016. Epub 2018 Jun 22. Review). 4- by providing some more details about histopathology, the authors can discuss also the role of Th2 inflammatory cells (including some emerging roles for basophils) in chronic inflammation of upper respiratory airways in both humans and murine experimental models (refer to: Annu Rev Pathol. 2017 Jan 24;12:331-357. doi: 10.1146/annurev-pathol-052016-100401; & J Biol Regul Homeost Agents. 2014 Jan-Mar;28(1):91-103. PMID: 24750795) 5- I suggest separating the conclusion from the discussion. Clear take home and practical messages as well as hypothesis should be included in the conclusion.

## INITIAL REVIEW OF THE MANUSCRIPT

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[ ] Plagiarism

[ Y ] No

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