

## Peer Review Report

# Review Report on Clinical features and risk factors for primary Sjögren's syndrome combined with interstitial lung disease ريال retrospective study

Original Research, Acta Biochim. Pol.

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### EVALUATION

#### Q 1 Please summarize the main findings of the study.

Based on the retrospective study on pSS patients by searching the electronic medical records, this paper analyzed and elucidated the clinical characteristics of pSS combined with ILD. Moreover, the paper also indicated the risk factors, which includes age, disease duration, dry eye and ESR, CRP, NLR, TG, TC, related to the development of ILD in pSS patients.

#### Q 2 Please highlight the limitations and strengths.

As a retrospective study, the limitation of this paper is there is no enough experimental results and data to support their findings.

The main strength of this paper is the authors analyzed a bunch of clinical data which were collected with various medical methods, especially including HRCT. Thus allows the authors to dissect and propose the clinical features of pSS combined with ILD and find the related risk factors.

#### Q 3 Please comment on the methods, results and data interpretation. If there are any objective errors, or if the conclusions are not supported, you should detail your concerns.

The methods, results and interpretation are all reasonable.

### Check List

#### Q 4 Please provide your detailed review report to the editor and authors (including any comments on the Q4 Check List)

The paper will be potentially used for the early diagnosis, treatment, and prevention of the development of pSS-ILD and benefit people who work on this field. I have only few comments:

1 Page 14, the last results section. There is a long sentence that is very confusing: "The final results showed that older

than 60 years (OR=2.381, 95%CI 1.302-4.355,  $p<0.05$ ), longer duration of disease (OR=1.007, 95%CI 1.003-1.012,  $p<0.001$ ), higher triglycerides (OR=1.652, 95%CI 1.014-2.691,  $p<0.05$ ), higher cholesterol (OR=1.424, 95%CI 1.059-1.915,  $p<0.05$ ), and higher risk of combined ILD"

2 Page 15, the first sentence of the third paragraph of discussion section: "In addition, pSS also can attack blood lipids and promote the development of atherosclerosis" How does pSS attack blood lipids? I'm confused.

3 The format should be improved. For instance, some paragraphs have an indentation at the beginning, while others do not.

4 For Materials and methods section, the cat number of reagents and kits need to be added, it will make other peer follow this paper easily.

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**Q 5** Is the English language of sufficient quality?

Yes.

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**Q 6** Is the quality of the figures and tables satisfactory?

Yes.

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**Q 7** Does the reference list cover the relevant literature adequately and in an unbiased manner?

Yes.

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**Q 8** Are the statistical methods valid and correctly applied? (e.g. sample size, choice of test)

Yes.

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**Q 9** Are the methods sufficiently documented to allow replication studies?

Yes.

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**Q 10** Are the data underlying the study available in either the article, supplement, or deposited in a repository? (Sequence/expression data, protein/molecule characterizations, annotations, and taxonomy data are required to be deposited in public repositories prior to publication)

Yes.

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**Q 11** Does the study adhere to ethical standards including ethics committee approval and consent procedure?

Yes.

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**Q 12** Have standard biosecurity and institutional safety procedures been adhered to?

Not Applicable.

## QUALITY ASSESSMENT

<b>Q 13</b> ▶ Originality	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Q 14</b> ▶ Rigor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Q 15</b> ▶ Significance to the field	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Q 16</b> ▶ Interest to general audience	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Q 17</b> ▶ Quality of the writing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Q 18</b> ▶ Overall quality of the study	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>