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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 60502

Title: Detection of short stature homeobox 2 and RAS-associated domain family 1 subtype A DNA methylation in interventional pulmonology

Reviewer's code: 05491996
Position: Peer Reviewer
Academic degree: MD
Professional title: Doctor
Reviewer's Country/Territory: Germany
Author's Country/Territory: China

Manuscript submission date: 2021-02-25
Reviewer chosen by: AI Technique
Reviewer accepted review: 2021-03-02 03:46
Reviewer performed review: 2021-03-29 09:56
Review time: 27 Days and 6 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish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	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

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SPECIFIC COMMENTS TO AUTHORS

This is an interesting review of SHOX2 and RASSF1A DNA methylation in interventional pulmonology. Interventional pulmonology is a method of diagnosis and treatment of respiratory diseases via tracheoscopy and other instruments using minimally invasive technology, including many techniques to obtain tissue or liquid biopsy samples, such as biopsy, brushing, lavage, washing, and needle aspiration biopsy. The samples obtained using these methods can be further tested for tumor-specific biomarkers, which can be used for early warning and assistant diagnosis of cancer. Epigenetic changes through DNA methylation play an important role in the occurrence of multiple cancers. The detection of SHOX2 and/ or RASSF1A in respiratory samples indicates that patients are highly likely to suffer from LCA. This study reviewed the application of SHOX2 and RASSF1A in interventional pulmonology and introduced our research results. The manusccript is very well written. The methylation in liquid biopsy specimens under bronchoscopy, methylation of TBNA specimens, methylation in pleural effusion were reviewed and discussed in detail. After a mnior revision, it can be accepted for publication. Comments: 1. The mansucript should be edited. There are some minor language polishing. 2. Please number the table, and refer it in the main text. 3. A conclusion should be summary.

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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 60502

Title: Detection of short stature homeobox 2 and RAS-associated domain family 1 subtype A DNA methylation in interventional pulmonology

Reviewer's code: 05492001
Position: Peer Reviewer
Academic degree: MD
Professional title: Doctor
Reviewer's Country/Territory: Italy
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Scientific quality	[Y] Grade A: Excellent [ ] Grade B: Very good [ ] 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) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
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SPECIFIC COMMENTS TO AUTHORS

In this minor review, the authors reviewed the clinical application of SHOX2 and RASSF1A DNA methylation detection in interventional pulmonology, including bronchoscopic fluid biopsy, transbronchial needle aspiration, and pleural effusion. This brief review is excellent, and manuscript is very well written. After a minor editing, it can be pubished.