

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Respirology

ESPS manuscript NO: 14208

Title: Role of p53 in lung tissue remodeling

Reviewer code: 00461068

Science editor: Fang-Fang Ji

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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

In the present manuscript Shiro Mizuno et al. presents a review focused on lung disease susceptibility associated with the p53 pathway and describes molecular mechanisms upstream and downstream of p53 in lung tissue remodeling. The activated p53 protein and its associated pathway play a pivotal role in tissue remodeling in COPD, asthma and pulmonary hypertension. p53 protein regulates numerous genes and proteins associated with cell cycle arrest and apoptosis. In response to oxidative stress or hypoxia, p53 can become stabilized and activate signal transduction towards lung tissue remodeling and functional loss. Improved understanding of structural changes associated with pulmonary vascular remodeling and lung cell apoptosis induced by the p53 pathway may new provide therapeutic targets. The English of the text is of high quality, clear and easy to follow. Figures are clear and self explaining. The reference list is up to date.