



PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 36486

Title: Spectrum of cardiac manifestations and its relationship to outcomes in patients admitted with scrub typhus infection

Reviewer's code: 00505382

Reviewer's country: Italy

Science editor: Fang-Fang Ji

Date sent for review: 2017-11-16

Date reviewed: 2017-11-16

Review time: 14 Hours

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

COMMENTS TO AUTHORS

Article is well written and covers an interesting topic. However, few issues should be considered before publication. - English Language can be revised to improve fluency. - Diagnostic tests for multivariable logistic regression should be presented to validate results (c-statistic, Hosmer-Lemeshow test); a backward stepwise approach might be used to reduce the number of variables in the multivariable model; a reduced duration of symptoms (associated with myocarditis) might imply a greater severity of symptoms, and therefore symptoms should be evaluated in the regression; the same reasoning applies to other variables obtained at hospital admission, in order to produce a regression model that is both statistically and clinically significant. For example, I would include in the regression analysis: diabetes, cough, mialgia, hemoglobin. Also, it is important to produce a multivariable model with a small number of variables,



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considering the limited sample size of the study.



PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 36486

Title: Spectrum of cardiac manifestations and its relationship to outcomes in patients admitted with scrub typhus infection

Reviewer's code: 005043

Reviewer's country: Argentina

Science editor: Fang-Fang Ji

Date sent for review: 2017-10-29

Date reviewed: 2017-11-17

Review time: 19 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

COMMENTS TO AUTHORS

We know that scrub typhus is a current pathological condition in India and the Asian Pacific region. With respect to the epidemiological validity of scrub typhus in our region (South America), there have been re-emerging outbreaks in Peru, reporting up to 50% of the world's statistics. Likewise, outbreaks of scrub typhus have been recorded by *Rickettsia prowazekii* between 2006-2008 in Colombia, with recrudescence confirmed towards 2012. During the same period, cases of *Orientia tsutsugameshi* in Chile were reported. The referred incidences leads us to reactualize both the clinical figure as well as the complications derived from this disease, in the face of possible developments of lethal epidemics in the region. Although the prevalent infectious agents in India are not clearly indicated in the work, I believe that the updating of the potential cardiac complications presented by Indian colleagues is very valid, especially the myocarditis



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that leads to heart failure (systolic dysfunction) and its early appearance - at 48 hs. After hospital admission



PEER-REVIEW REPORT

Name of journal: World Journal of Critical Care Medicine

Manuscript NO: 36486

Title: Spectrum of cardiac manifestations and its relationship to outcomes in patients admitted with scrub typhus infection

Reviewer's code: 02446706

Reviewer's country: Netherlands

Science editor: Fang-Fang Ji

Date sent for review: 2017-11-16

Date reviewed: 2017-11-21

Review time: 5 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

The authors made a great effort describing the manifestations of cardiac involvement in scrub typhus. Minor error: page 6: line 3: reference 9 should be between brackets.