



SDI Review Form 1.6

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	Ms_IJTDH_21450
Title of the Manuscript:	IN VITRO AND IN VIVO EVALUATION OF ANTILEISHMANIAL ACTIVITY OF PHYLLANTHUS NIRURI
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Abstract: - The abstract has to be re-written with a short introduction before the aim, without mix up of results and methodology, completeness of statements (check line 17) and revision of key words Introduction: 2nd largest parasitic disease, 350 million people worldwide? - Why are the current treatments with the control drug (SSG) not satisfactory? Its Poisonous nature? Missing in introduction. The opening paragraph should be re-written to flow well - Break sentence beginning in line 47 for it to make sense. - Sentence beginning in line 50 should be moved to its correct position. - In general a little rearrangement of the section will make it read scientifically. Materials and methods: - Start with where the work was done. 2.2, 2.3 and 2.5 can be merged with one title "preparation of plant extracts and phytochemical screening". How was the plant identified? Using keys? Need for their reference. - How was <i>P. niruri</i> injection done? Intraperitoneally? 2.8.1-2.8.4 should be collapsed and differentiated by paragraphs. - It is not clear which mice are being referred to in 2.8.5.	The needful has been done The needful has been done The needful has been done The line is self explanatory The needful has been done The needful has been done Needful has been done Needful has been done. The identification was carried by Herbarium incharge of Department of Botany, Panjab University Chandigarh. The extract concentrations were given orally. The SSG drug was given intraperitoneally.



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	• Collapse subsections of 2.8.7 Results • It is not clear in Fig. 2 why the parasite load levels are already low on day 0 when the treatment actually began. Ideally, the levels should approximate the untreated control. The same applies to fig. 3 and 4. • There should be a statistical comparison between SSG and <i>P.niruri</i>. Discussion: • It isn't clear whether in the sentence beginning on line 263 is referring to the current study or another. If latter, a reference should be given. • Sentence in line 265 is misplaced. • Only treated in methods is intraperitoneal not oral as in line273. • Line 343 should refer to current study results and not just the study.	Needful has been done The mice of normal, infected and treated groups were given leishmanin antigen. The needful has been done The first sacrifice was done after the completion of 7 days of treatment. It means on first day after the completion of treatment. Therefore, the parasite load is less on first day. Similarly, the levels of antibodies and DTH were enhanced in Fig 3 and 4. The needful has been done The line 263 is reffering to current study. The needful has been done Only treated mice are also treated orally with plant extracts as described in materials and methods (line 135-137 The needful has been done
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<u>Minor</u> REVISION comments	Ethical issue: There are. The use of BALB/c mice in drug experiments. Approval was however given.	The objection is unclear. However, the experiments on BALB/c mice were conducted after approval from IAEC of the Institute.
<u>Optional/General</u> comments		