



SDI Review Form 1.6

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	Ms_IJTDH_25132
Title of the Manuscript:	INCIDENCE OF LEPTOSPIROSIS INFECTIONS AMONG ACUTE FEBRILE PATIENTS IN LAKHIMPUR AND DHEMAJI DISTRICTS, INDIA
Type of the Article	Original research papers

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.

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(<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	1) About the Study design: it is not clear from where are the patients involved in the study – hospitals, words/clinics for infectious diseases, out-patients etc. 2) The Discussion is weak. There is not comparing with other studies shown in the references. 3) Conclusions should briefly state the major findings of the study. In the text separate statement for conclusions is missing. Only the last three sentences have something in mind as conclusion but it is not direct evidence from the study. 4) Acknowledgements (if are available), Competing Interests, Authors' Contributions are missing in the structure of the paper.	1. Both indoor and outdoor patients reported to the hospital were included in our study. 2. As per instruction in discussion study was compared with reference. 3. Conclusion added. 4. Author's contribution added.
Minor REVISION comments	1) In Abstract on line 3 instead rainyseason – rainy session should be written. 2) In Abstract on line 4 instead “are the common pictures seen in Assam.which may increase the risk” – “are common in Assam. Those events” should be written. 3) In Abstract on line 5 instead “that is why study area Lakhimpur and Dhemaji districts were choose for our study as both districts are neighboring district of hilly area” – “that is why Lakhimpur and Dhemaji districts were choose for our study area as both districts are neighboring of hilly area.” should be written. 4) In Abstract on line 8 instead “Serums were separated” – “Serums were obtained” should be written. 5) In Abstract on line 10 instead 2.133% - 2.13% should be written. 6) In Abstract on line 12 instead “Clinical finding represented Fever 100% (16/16), Headache 68.75 % (11/16),	1. Corrected 2. Corrected 3. Corrected 4. Corrected 5. Corrected 6. Corrected 7. Corrected 8. Corrected 9. Corrected 10. Corrected 11. Corrected 12. Corrected 13. Corrected 14. Corrected 15. Corrected 16. Corrected 17. Corrected



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	Myalgia 50 % (8/16), Conjunctival Suffusion 6.25 % (1/16), Jaundice 12.5 % (2/16), Cardiac arrhythmia 12.5 % (2/16), Skin rash 6.25 % (1/16), Haemorrhage 6.25 % (1/16), Unconsciousness/semiconsciousness 12.5 % (2/16), Nausea/Vomiting 6.25 % (1/16), and Abdominal Pain 6.25 % (1/16) in the positive patients.” – “Clinical finding represented fever 100% (16/16), headache 68.75% (11/16), myalgia 50% (8/16), conjunctival suffusion 6.25% (1/16), jaundice 12.5% (2/16), cardiac arrhythmia 12.5% (2/16), skin rash 6.25% (1/16), haemorrhage 6.25% (1/16), unconsciousness/semiconsciousness 12.5% (2/16), nausea/vomiting 6.25% (1/16), and abdominal pain 6.25% (1/16) in the positive patients.” should be written. 7) In Abstract on line 16 instead “This proves the prevalence of leptospirosis in the study districts of Assam and awareness of disease transmission could minimize the disease risk.” – “This proves the prevalence of leptospirosis in the study districts of Assam. An awareness of disease transmission could minimize the disease risk.” should be written. 8) In Introduction on line 1 instead “Leptospirosis is zoonotic disease represents the symptoms of acute febrile illness with headache, myalgia and prostration” – “Leptospirosis is zoonotic disease and represents the symptoms of acute febrile illness...” should be written. 9) In Introduction on line 2 instead “In addition with these symptoms it may represent conjunctival suffusion, meningeal irritation, Jaundice, Cardiac arrhythmia, Skin rash, haemorrhages (from the intestine / lung etc.), anuria or oliguria etc.” – “In addition with these symptoms it may represent conjunctival suffusion, meningeal irritation, jaundice, Cardiac arrhythmia, Skin rash, haemorrhages (from the intestine / lungs etc.), anuria/oliguria etc.” should be written. 10) In Introduction on line 4 instead “Some of the other	18. Corrected 19. Corrected 20. Corrected 21. Corrected 22. Corrected 23. Corrected 24. Corrected 25. Corrected 26. Corrected 27. Corrected 28. Corrected 29. Corrected 30. Corrected 31. Corrected 32. Corrected 33. Corrected 34. Corrected 35. Corrected 36. Corrected
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	symptoms like diarrhea, nausea, vomiting, joint pains, abdominal pain etc may also be present in some patients” – “Diarrhea, nausea, vomiting, joint pains, abdominal pain etc may also be present in some patients” should be written. 11) In <u>Introduction on line 5</u> instead “The symptoms” – “These symptoms” should be written. 12) In <u>Introduction on line 6</u> instead “The first case of leptospirosis was reported by Weil in 1886, who was the Professor of Medicine at Heidelberg ^[3].” – “The first case of leptospirosis was reported in 1886 by Weil, who was Professor of Medicine at Heidelberg ^[3].” should be written. 13) In <u>Introduction on line 7</u> instead “In India different outbreaks of leptospirosis reported from various states time to time are Gujarat, Maharashtra, Kerala, Tamil Nadu, Andaman & Nicobar Islands, Goa, Karnataka, Orissa, Andhra Pradesh etc ^[4].” – “In India, outbreaks of leptospirosis had been reported from various states as Gujarat, Maharashtra, Kerala, Tamil Nadu, Andaman & Nicobar Islands, Goa, Karnataka, Orissa, Andhra Pradesh etc ^[4].” should be written. 14) In <u>Introduction on line 9</u> instead “From Assam first leptospirosis case was reported in year of 2008 and patient was with pyrexia ^[5].” – “From Assam, first leptospirosis case was reported in 2008 and patient was with pyrexia ^[5].” 15) In <u>Introduction on line 10</u> instead “This was the 79 years after the Indian first case. The first case of leptospirosis from India reported in 1929 from Andaman Islands ^[6].” – “This was 79 years after the first case of leptospirosis in India that was reported from Andaman Islands in 1929 ^[6].” Should be written. 16) In <u>Introduction on line 11</u> instead “The disease spread to human through animal urine contamination ^[7].” – “The disease spreads to human through contaminated animal urine ^[7].” 17) In <u>Introduction on line 12</u> instead “Because of which	
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	cultivators or peoples exposed with infected animals very frequently, are the high risk group of this disease named leptospirosis.” – “There are risk groups for leptospirosis as cultivators, veterinary workers, fishers etc. that are frequently exposed to infected animals.” should be written. 18) In Introduction on line 13 instead “peoples” – “people” should be written. The noun people has only plural! 19) In Introduction on line 14 instead “The bacteria infect the human host through mucus membrane, skin abrasions or eye during the contact with the contaminations.” – The bacteria infect the human host through mucous membranes, skin abrasions or conjunctiva during the contact with the contaminations.” should be written. 20) In Introduction on line 15 instead “Incubation period of this disease is 10-12 days approximately.” – “Incubation period of this disease is 10-12 days approximately but varies from... to...” 21) In Study Area on line 2 instead “The total population of Lakhimpur district is 1,040,644 (as per 2011 census) with 2,277 km² areas and total population of Dhemaji district is 686,133 (as per 2011 census) with 3,237 km² areas.” – “The total population of Lakhimpur district is 1,040,644 (as per 2011 census) with 2,277 km² areas and total population of Dhemaji district is 686,133 (as per 2011 census) with 3,237 km² areas.” Should be written. 22) In Study Area on line 10 instead “Where peoples takes their animals within the river, which increases the risks of contamination of water. Because of these the study areas were selected for our study.” – “When the people take their animals within the river, this increases the risks of contamination of water. Because of these the study areas were selected for our study.” should be written. 23) In Study Area on line 11 instead “contamination of water. Because of these the study areas were selected for our study.” – “contamination of water. Because of these mentioned above districts were selected for our	
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	study.”should be wirren. 24) In Methodology on line 3 instead “Separated serum (in another screw cap tubes) were labeled and tested for typhoid, JE, malaria and Dengue” – “Separated serum (in another screw cap tubes) were labeled and tested for Typhoid, JE, Malaria and Dengue” should be written. 25) In Methodology on line 10 instead “Leptosirapatoc 1 antigen,” – “Leptospira patoc 1 antigen,” should be written. 26) In Methodology on line 13 instead “Stop solution change the blue colour” – “Stop solution changes the blue colour” should be written. 27) In Results and Discussion on line 2 instead “2.133%” – 2.13% should be written. 28) In Results and Discussion on line 2 instead “Out of these 16 numbers” – “From these 16 numbers”should be written. 29) In Results and Discussion on line 2 instead “Again, Clinical diagnosis of patients showed Fever 100% (16/16), Headache 68.75 % (11/16), Myalgia 50 % (8/16), Conjunctival Suffusion 6.25 % (1/16), Jaundice 12.5 % (2/16), Cardiac arrhythmia 12.5 % (2/16), Skin rash 6.25 % (1/16), Haemorrhage 6.25 % (1/16), Unconsciousness/semiconsciousness 12.5 % (2/16), Nausea/Vomiting 6.25 % (1/16), and Abdominal Pain 6.25 % (1/16) in the positive patients [Table 1].” – “Again, clinical diagnosis of patients showed fever 100% (16/16), headache 68.75% (11/16), myalgia 50% (8/16), conjunctival suffusion 6.25% (1/16), jaundice 12.5% (2/16), cardiac arrhythmia 12.5% (2/16), skin rash 6.25% (1/16), haemorrhage 6.25% (1/16), unconsciousness/semiconsciousness 12.5% (2/16), nausea/vomiting 6.25% (1/16), and abdominal pain 6.25% (1/16) in the positive patients [Table 1]. Note! 1) The symptoms in the text must be written with small initial letter! 2) For quantitative variables with percentages, there is	
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	no need of space between the last digit and %. 30) In Results and Discussion on line 11 instead “18.75 % (3/16) patients were house wife and having history of touch with domestic animals. 31.25 % (5/16) patients were either service holder, student or unemployed and also having history of either touch with domestic animals or bathing in river.” – “Three of the patients (18.75%) were house wife and having history of touch with domestic animals. Five of the patients (31.25%) were either service holder, student or unemployed and also having history of either touch with domestic animals or bathing in river.” Note! The sentence begins with a word! 31) In Results and Discussion on line 13 instead “All the patients having history” – “All the patients had history” (Past Simple Tense) or All the patients had had history” (Past Perfect Tense) should be written.” 32) In Results and Discussion on page 4, line 1 instead “As the disease showed prevalence, treating physician must advice for the leptospirosis test to avoid missed diagnosis for treatment of the acute febrile cases in addition with other tests if the patient having history of exposure.” – “As the disease showed prevalence, treating physician must advice for the leptospirosis test to avoid missed diagnosis for treatment of the acute febrile cases in addition with other tests if the patient has history of exposure.” should be written. 33) In Results and Discussion on page 4, line 4 instead “Veterinary department may also play an important role to control the disease or minimize the transmission like vaccination of animals, as the peoples of Assam’s having socioeconomic relation, cultural relation etc with animals directly.” – “Veterinary department may also play an important role to control the disease or minimize the transmission by vaccination of animals, because the residents of Assam have direct socioeconomic, cultural and other relation with animals.” should be written.	
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	34) In Table on page 4 instead lung – lungs should be written. 35) In Table on page 4 instead Unconsciousness/Semiconscious – Unconsciousness/Semiconsciousness should be written. 36) In References on page 5 instead 7. Basker P, Kannan P and Kolandaswamy KG. Study on the Prevalence of Leptospirosis among Fever Cases Reported from Private Clinics in the Urban areas of Villupuram District, Tamil Nadu, India. Osong Public Health Res Perspect; (2014), 5(1), 54-67. – 7. Basker P, Kannan P and Kolandaswamy KG. Study on the Prevalence of Leptospirosis among Fever Cases Reported from Private Clinics in the Urban areas of Villupuram District, Tamil Nadu, India. Osong Public Health Res Perspect; (2014), 5(1), 54-67.	
<u>Optional/General</u> comments	The topic of study is interesting for clinicians due to protean and variable clinical manifestations of leptospirosis, difficulties for diagnosis and high mortality rate in severe forms. India is country with high population and geographic location with favourable environmental conditions for leptospirosis. Due to these reasons, it is interesting to read a study for leptospirosis from Indian authors and I recommend accepting of this paper but <u>after serious major revision</u>. English needs of improvement including grammar, style and precise typewriting.	