

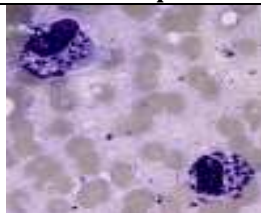


## SDI FINAL EVALUATION FORM 1.1

### PART 1:

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Journal Name:            | <a href="#">International Journal of TROPICAL DISEASE &amp; Health</a>                                                                                |
| Manuscript Number:       | Ms_IJTDH_20450                                                                                                                                        |
| Title of the Manuscript: | Lesion aspirate isolation, culture, diagnosis and Molecular identification of Cutaneous leishmaniasis in district Kohat, Khyber Pakhtunkhwa, Pakistan |
| Type of the Article      | Original research paper                                                                                                                               |

### PART 2:

| FINAL EVALUATOR'S comments on revised paper (if any)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Authors' response to final evaluator's comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <p>After re-reviewing the manuscript, I still found:</p> <ul style="list-style-type: none"> <li>- Many mistakes (I wrote some of them in red after correction, and I highlighted the others). I ask the author (s) to re-read the manuscript and correct them</li> <li>- concerning the figures, I did some modification (I think the author (s) need to change the figures number in the text)</li> <li>- The author (s) did not mention how many females, males, the age groups, in the study samples. (The author (s) mentioned "A descriptive, cross-sectional, prospective study based on patient's consent and history of both sexes irrespective of age groups, irrespective of location, immune status and financial status were included".</li> <li>- What about the lesion number/patient? Where did the lesion find more?</li> <li>- did the author (s) used for DNA extraction the smears from patients or from cultures?</li> <li>- What is the correlation between the three methods "statistical study"?</li> </ul> |  <p>Figures numbering has been changed</p> <p>To test the hypothesis, 41 patients gender (22 males and 19 females) having variable age groups (median age was 27) fulfilling consensus criteria with clinical history suggesting cutaneous leishmaniasis were confirmed by at least one of the following diagnostic tests:</p> <p>Our results show that, patients with active skin lesions having ulcer (79%) and nodular presentation (17%) were located primarily on the lower extremity (40%), face (28%), or upper extremity (23%). Of these patients, 29 (70.7%) showed positive results in Giemsa stained preparation and 12 presented negative results.</p> <p>Promastigotes cultured from amastigotes were observed in 21/41 (51%) aspirate culture as a single anterior flagellum emerging from the cell body running parallel to the microtubules of the axoneme making these organisms functional and motile as shown in figure 3.</p> <p>In our study, the better detection rate by Giemsa stain as compared to culture for parasitologic diagnosis was in agreement with the results reported by some investigators (Ramirez <i>et al.</i> 2000) and in contrast with the findings of others who reported higher sensitivity for culture as compared with Giemsa stain (Sharquie <i>et al.</i> 2002). In contrast to our study, culture of promastigotes from infected tissues and/or direct identification of amastigotes in microscope smears have long been considered as the gold standard for diagnosis (Liarte <i>et al.</i>, 2001). Even though the disease is usually diagnosed with microscopic examination of a dermal scraping or biopsy, molecular</p> |



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|  | techniques such as PCR was found to be a more sensitive promising method for diagnosis and confirmation of the parasites in acute and chronic lesions. |
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