



**SDI Review Form 1.5**

**PART A:**

Journal Name:	<a href="#">International Journal of TROPICAL DISEASE &amp; Health</a>
Manuscript Number:	<b>MS: 2012/IJTDH/1750</b>
Title of the Manuscript:	<b>Under nutrition as predictor of hypertension among adult tribal males of India</b>

*(Note: Title of different sections as proposed below may differ in case of review paper)*



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**PART B: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (if agreed with reviewer, correct the manuscript and highlight that part and write here 'Corrected'/ if not agreed, give suitable justifications)
<b>General comment:</b>	Additional variables related to hypertension are needed to give such statements as “Under nutrition as predictor of hypertension among adult tribal males of India”.	In the text, the title has been revised as “Predictors of hypertension among adult tribal males of India”
<b>Specific comments:</b>	Analysis should be done in each tribal community rather than to considered as a single population	Large sample size allows the researcher to control for the risk of reporting a false-negative finding (Type II error) or to estimate the precision his or her study would yield. In the present study, at the initial stage of analysis the variables were analysed for each tribe separately. Those tribes which did not showed any significant difference between the mean value of blood pressure and adiposity markers were combined to obtain adequate sample size which represent tribal population.
<b>Title and abstract</b>	Should be changed according to the revision	Necessary changes have been incorporated in the text
<b>Introduction</b> (Is the problem/objective of this study original, important and well defined?)	Need more focus and write only relevant portion related to hypertension and its causes	Necessary changes have been incorporated in the text
Are all the references cited relevant, adequate? Are there any other suitable current references authors need to cite?	No. Please see this article as “Rohini Ghosh. 2007. Microlevel determinants of blood pressure among women of two ethnic groups in a periurban area of Kolkata city,	The health risk differs among females as compared to males due to variation in physiology and



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	India. American Journal of Human Biology, 19: 409-415.”	morphology. Since our study has evaluated the health risk among males, the reference suggested could not be quoted in the manuscript.
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<p><b>Materials &amp; methods</b> (Kindly comment on the suitability of the methods. Sufficient details of the methods should be provided to allow peers to evaluate and/or replicate the work)</p>	<p><b>Duration</b> of the study should be mentioned. Materials and methods should be re-written in details.</p>	<p>The study was conducted from 1999-2001. Necessary changes have been incorporated in the text.</p>
<p><b>Results &amp; discussion</b> (Kindly comment on: 1. Are the data well controlled and robust? 2. Authors should provide relevant references during discussion. 3. Discussion and conclusions should be based on actual facts and figures. Biased claims should be pointed out. 4. Are statistical analyses must for this paper? If yes, have sufficient and appropriate statistical analyses been carried out?)</p>	<p>Along with general and specific comments, author may be performed step-wise logistic regression. The data of mental stress may be the most important variables in tribal community related to hypertension.</p>	<p>The higher prevalence of undernutrition and hypertension in tribal population paved the way to the objective of the present study which was to determine the association of hypertension with adiposity markers (general and regional). In other words, to find the predictors of hypertension in undernourished population rather than the probability of occurrence of hypertension. So to meet the objective of the study, analysis was done using multiple linear regression rather than step wise logistic regression.</p> <p>Furthermore, major focus of the study was to understand how the adiposity markers perform in relation to hypertension in undernourished population so the parameter ‘mental stress’ was not included in the study.</p>
<p>Are there any ethical or competing interest issues?</p>	<p>Please mention the name of ethical clearance committee.</p>	<p>Ethical committee of Department of Anthropology, University of Delhi. It has been included in the manuscript also.</p>



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<b>Conclusion</b> (Is the conclusion supported by the data, discussed inside the manuscript? Conclusions should not be biased and should be based on the data, presented inside the manuscript only)	Should be revised	Necessary changes have been incorporated in the text
References	Incorporate other studies related to hypertension in Indian tribal communities.	As per our knowledge, most of the references which were found to be relevant for the study have been incorporated.