SDI FINAL EVALUATION FORM 1.1

PART 1: Journal Name:

Journal Name:	British Journal of Medicine and Medical Research		
Manuscript Number:	2013 BIMMR 4217		
Title of the Manuscript:	Antinociceptive effects of ethanolic extract of Hybanthus enneaspermus leaf in male albino rat		
FINAL EVALUATOR'S		Authors' response to final	
comments on revised		evaluator's comments	
paper <mark>(if a</mark>	ny)		
This manuscript was intended to investigate		The Method of Hunskar and Hole (1987)	
the Antinociceptive effect of ethanolic extract of Hybanthus enneaspermus leaf (EEHE) in rats by		the formalin test. Virtually all studies that	
using tail flick and formalin tests. The results showed that FFHF (500 mg/kg and 1000		a few studies using this same method	
mg/kg) significantly reduced the paw licking time		citing Hunskar and Hole are:	
and significantly increased the tail flick latency.		(i) Awe et al 2005 (ii) Bukabri et al 2004	
This manuscript is a preliminary. Specific		(iii) Oyadeyi et al 2007	
comments are addressed as follows :		(iv) Zala et al 2012	
The method of form	adia toot is different from the	Figure 1 depicts the change in tail flick latency occurring after treatment with the	
method described in many articles. The results		reference drug and the extracts. It is not for	
of formalin test (Figure 1 and Figure 2) are		the formalin test which is shown in figures	
different from that described in the method of		2 and 3. Figure 1 shows that in the	
tormalin test section	on. Please cite references in	and HEE 1000mg/Kg treated rats the tail	
the formalin test se		flick latency increased significantly after	
		treatment.	
		Figure 2 shows the duration of paw licking	
		the early phase of formalin test. It is Table2	
		that shows the calculated percentage	
		inhibition of paw licking caused by the	
		administration of the reference drug and	

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	the extracts.
 Table 1: The duration (sec) of AMP before treatment is lower than the control group. Why? 	 (1) The observed difference in the "before treatment" values of the four groups not only the AMP group can be due to the inherent variation in animals. The particularly low value of tail flick latency before treatment in the AMP group may be due to random selection bias. However, the method of statistical analysis used in this case the paired ttest nullifies any difference between the groups as the before and after format used makes each group its own control! (2) As stated above we did not compare
2. Is there any significant difference between control and AMP groups after treatment? The value of 4.04 in control group is near to the value of 4.33 in AMP group. Both of the 4.04 and 4.33 should not be significant.	the groups directly but compared the increase in tail flick latency after treatment. Thus to demonstrate antinociceptive effect of AMP the tail flick before (2.76 ± 0.42) and after (4.33 ± 0.3) were compared by paired ttest. This clearly shows that administration of the reference drug had significant effect. Similar effect was recorded for HEE 500mg/Kg and HEE 1000mg/Kg.
3. The statistical analysis method (ANOVA followed by Tukey	The One way ANOVA was used for the comparison of the

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multiple range test) used by	differences in the tail flick
authors is suitable to more than	latencies before and after the
three groups. The authors seem	reference drug and the extracts
to compare the statistical	were given. In this case the
significant between before	differences in the latencies of
treatment and after treatment.	the control, the AMP, the HEE
Oneway ANOVA is unsuitable	500mg/Kg and the HEE
to compare the statistical	1000mg/Kg treated rats were
significant between before	analysed using theOne way
treatment and after treatment.	ANOVA test.

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