Author's response to reviews

Title: Antipyretic Anti-inflammatory and Analgesic activity of Acacia Hydaspica R.Parker and its phytochemical analysis

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Author's response to reviews: see over
Dear Editor

BMC Complementary and Alternative Medicine

UK

We are submitting the revised version of the manuscript as advised through the reviewer’s comments.

Reviewer's report

Title: Antipyretic Anti-inflammatory and Analgesic activity of Acacia Hydaspica R.Parker and its phytochemical analysis

Version: 2 Date: 10 February 2015

Reviewer: s.kavimani Kavimani

Reviewer's report: LINE 190-MWHAT IS 10MI/KG.C LINE 203

Corrected in the manuscript.

WHY 3 STD DRUGS FOR ACETIC ACID INDUCED PAIN, ASPIRIN IS IDEAL DRUG

Diclofenac sodium effective in treating a variety of acute and chronic pain and inflammatory conditions. As with all NSAIDs, diclofenac exerts its action via inhibition of prostaglandin synthesis by inhibiting cyclooxygenase-1 (COX-1) and cyclooxygenase-2 (COX-2). However, it affects thromboxane-prostanoid receptor, affect arachidonic acid release and uptake, inhibit lipoxygenase enzymes, and activate the nitric oxide-cGMP anti-nociceptive pathway.

Fluoxetine is used in chronic pain disorder, and post traumatic disorder and decrease inflammation.

Aspirin possesses mostly analgesic activities. Although its effect on inflammation and platelets were also observed.

Because of different mode of action we studied three standards.

FOR BOTH CENTRAL & PERIPHERAL ANALGESICS, SAME STD IS NOT RECOMMENDED

For evaluating peripheral analgesic activity, “Aspirin and Diclofenac Sodium” were used as standard while “Fluoxetine” was used as standard for determining central analgesic effect as it is an agonist of “Opioid Receptors”.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.
Reviewer's report

Title: Antipyretic Anti-inflammatory and Analgesic activity of Acacia Hydaspica R.Parker and its phytochemical analysis

Version: 2 Date: 25 February 2015 Reviewer: Veeramuthu Duraipandiyan

Reviewer's report: Journal: BMC Complementary and Alternative Medicine

Title: Antipyretic, anti-inflammatory and analgesic activity of Acacia hydaspica R.Parker and its phytochemical analysis

Comments: 1) Pag. 2. Line 32..... Acacia Hydaspica.... Must be ... Acacia hydaspica...

Corrected throughout the manuscript

2) Pag. 2. Line 41..... Authors must mention the expansion for AHE...

Expanded

3) Pag. 2. Line 55 and 56..... Authors must reduce the number of key words. Some key words are repeated. First letter of each key word should be in UPPERCASE.... authors must remove “and” ........

Corrected

4) Pag. 3. Line 86..... Authors must mention the back reference for (http://trade.indiamart.com/details.mp?offer=6763150691)...

Included

5) Authors must use evenness weather ‘edema’ or ‘oedema’.

Corrected

6) Pag. 4. Line 95..... ctoton oil.... Must be ... croton oil...

Corrected

7) Pag. 4. Line 106..... Material and methods.... Must be ... Methods....

Corrected

8) Pag. 5. Lines 125 to 128..... Authors have mentioned many abbreviations without proper expansions. Some of the abbreviations and expansions are highly confused.

Corrected

9) Pag. 5. Line 149..... dichloromethane (DCM).... Must be ... DCM...
10) Pag. 6. Line 171….. (180-220 kg) …. Must be ... (180-220 gm)...

11) Pag. 6. Lines 171 to 172.... Authors should rewrite the sentence.

12) Pag. 7. Line 180..... Authors should give the expansion for ‘OECD’.

13) Pag. 7. Line 187..... Authors should mention reference for this method.

14) Pag. 7. Line 190..... 10ml/kg.c..... What do you mean this?

15) Throughout the manuscript authors confusing about number of animals applied for the experiments. For example in results part authors mention n=4, but in methods section, they mentioned n=6 and n=4. Authors must take care on this kind of careless errors.

16) In hot plate test, authors used diclofenac sodium and fluoxetine instead of central analgesic such as ‘Morphine’, why?

   As Diclofenac Sodium shows anti-nociceptive effect by activating the nitric oxide-cGMP pathway and “Fluoxetine” acts as an agonist of “Opioid Receptors” like “Morphine”, that’s why these standards were used. Moreover, previous studies also reported same standards for evaluating these sorts of pharmacological activities.

17) In reference section: The scientific name of the plants should be italicized

Recommendation The manuscript needs revision, after the revision may be accepted for publication.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests: 'I declare that I have no competing interest

Figure 1: Flow chart file revised with some editing corrections
Figure 4: Compounds structure file revised with some editing corrections

Yours Sincerely
Ms. Tayyaba Afsar