

REVIEWER'S REPORT

Manuscript No.: IJAR-58964

Title: Pharmaceutico-analytical study and clinical evaluation of Tiktadi Ghrita Ointment in Kikkisa with special reference to Striae gravidarum: A Randomized Controlled Trial.

Recommendation:

Accept as it is ☐☐☐☐..

Accept after minor revision ☒☐☒☐

Accept after major revision ☐☐☐☐☐

Do not accept (*Reasons below*) ☐☐☐

Rating	Excel.	Good	Fair	Poor
Originality		√		
Techn. Quality		√		
Clarity		√		
Significance		√		

Reviewer ID: JP085

Reviewer's Comment for Publication.

This article studies Tiktadi Ghrita Ointment for Kikkisa (Striae gravidarum/pregnancy stretch marks). The formulation was prepared using classical Ayurvedic methods and converted into an ointment using beeswax. A randomized controlled clinical study was conducted on 64 antenatal women, with 60 completing the study. Tiktadi Ghrita Ointment was compared with Karveer Taila for 30 days, with follow-up up to Day 45. Both groups showed improvement, while Tiktadi Ghrita showed significantly better results for discolouration (Vaivarnya) and burning sensation (Vidaha).

Strength:

1. The topic is relevant to Ayurvedic treatment and pregnancy-related skin changes.
2. The study includes pharmaceutical, analytical and clinical evaluation.
3. The formulation was prepared in three batches, which helps to show reproducibility.
4. Important physicochemical parameters of the ointment were evaluated.
5. The study used a randomized controlled clinical design with a comparison group.
6. Both treatment groups showed improvement in itching, burning, discolouration and skin markings.
7. Statistical tests and p-values are reported clearly.
8. The authors have mentioned limitations and suggested larger studies with objective dermatological assessment.

Weakness:

1. The sample size is relatively small, with only 30 participants in each group completing the study.
2. The treatment period was only 30 days, with a short follow-up of 45 days.
3. The study mainly used clinical scoring; objective methods such as dermoscopy or digital image analysis were not used.

International Journal of Advanced Research

Publisher's Name: Jana Publication and Research LLP

www.journalijar.com

REVIEWER'S REPORT

4. The manuscript should provide more details about the randomization method and allocation procedure.
5. The reason for selecting Karveer Taila as the control treatment should be explained more clearly.
6. The safety assessment is limited. More details about adverse effects and maternal/fetal safety would improve the study.
7. The formulation would benefit from stability studies and shelf-life evaluation.

Overall assessment:

The article is clinically relevant and interesting and provides useful preliminary evidence for Tiktadi Ghrita Ointment in Kikkisa/Striae gravidarum. The pharmaceutical and clinical methodology is reasonably described, and the results are supported by statistical analysis. However, the manuscript needs improvement in methodological details, safety assessment, objective outcome assessment, stability studies, references and language/formatting.

Recommendation: Manuscript accepted for publication after minor revision.