

REVIEWER'S REPORT

Manuscript No.: IJAR-58430

Title: Effect of Shodhita Shilajatu and Rajata Bhasma on Anxiety – A vitro study.

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 manuscript evaluates the anxiolytic potential of Shodhita Shilajatu and Rajata Bhasma in Swiss albino mice using validated behavioral models, including the light-dark chamber test, locomotor activity test, and open-field test. The study reports significant anxiolytic activity in both treatment groups, with Rajata Bhasma showing comparatively better effects than Shodhita Shilajatu. The work provides preliminary experimental evidence supporting the traditional Ayurvedic use of these formulations in anxiety management

Strength:

1. Novel and clinically relevant research topic.
2. Well-designed animal experimental study.
3. Uses standard behavioral models for anxiety assessment.
4. Includes analytical characterization of test drugs.
5. Appropriate statistical analysis with clear results.
6. Integrates Ayurvedic concepts with experimental pharmacology.

Weakness:

1. Small sample size limits generalizability.
2. Molecular mechanism of action was not investigated.
3. No biochemical or neurotransmitter analysis was performed.
4. Long-term safety and toxicity evaluation is lacking.
5. Minor grammatical and formatting corrections are required.
6. Clinical studies are needed to validate the findings.

Overall assessment:

The manuscript presents a scientifically relevant experimental study investigating the anxiolytic effects of Shodhita Shilajatu and Rajata Bhasma in an animal model. The methodology is appropriate, and the findings support the traditional Ayurvedic use of these formulations. Minor revisions related to language,

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discussion of mechanisms, additional biochemical evidence, and formatting would further strengthen the manuscript

Recommendation: Manuscript accepted for publication after major revision.