



REVIEWER'S REPORT

Manuscript No.: IJAR-50395

Date: 24-02-2025

Title: Effectiveness of Newer Distraction Technique on Gagging Reflex on taking Alginate Impression in Paediatric Patients: A Randomised Control Study

Recommendation:

- Accept as it is.....**YES**.....
- Accept after minor revision.....
- Accept after major revision
- Do not accept (*Reasons below*)

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

Reviewer's Name: Dr Aamina

Reviewer's Decision about Paper: **Recommended for Publication.**

Comments (*Use additional pages, if required*)

.

Reviewer's Comment / Report

The manuscript presents a well-structured and concise abstract that effectively outlines the study's background, objectives, methodology, key findings, and conclusions. The introduction provides sufficient context on the prevalence of the gag reflex in children during dental procedures and highlights the need for effective behavior management strategies...

Abstract and Introduction (Lines 1-26, 27-85)

The abstract is concise and well-structured, summarizing the study's key elements effectively. The introduction provides a solid background on the topic and justifies the study's relevance.

Suggestions for Improvement:

- Specify the statistical methods used in the study (e.g., paired t-test, chi-square test) for greater transparency.
- Briefly highlight the novelty of using hourglasses as distraction techniques to emphasize the study's unique contribution.

REVIEWER'S REPORT

Study Design and Methodology (Lines 86-152)

The study design is robust, employing a single-blind, randomized controlled trial with well-defined inclusion and exclusion criteria. The methodology provides a clear explanation of the procedure.

Suggestions for Improvement:

- Elaborate on the reasoning behind selecting liquid motion and sand-based hourglasses as distraction tools.
 - Provide more details on the calibration and validation of the **Gagging-related Impression Success Scale (GISS)** and **Gagging Severity Index (GSI)** to strengthen the study's reliability.
-

Statistical Analysis (Lines 152-175)

Strengths: The statistical methods align well with the study design. The use of **SPSS 21** for data analysis and setting the significance threshold at **$P < 0.05$** ensures statistical rigor.

Suggestions for Improvement:

- Briefly explain why specific statistical tests were chosen over others.
 - Discuss any potential limitations in the statistical analysis that could impact the study's interpretations.
-

Results (Lines 153-185)

Strengths: The results are clearly presented, demonstrating that the **liquid motion hourglass group (Group 1)** achieved the highest success in reducing the gag reflex and anxiety. The accompanying tables and graphs effectively illustrate the findings.

Suggestions for Improvement:

- Provide a more detailed interpretation of the statistical results, focusing on their **clinical significance** and practical implications.
 - Identify and discuss potential confounding factors that may have influenced the results.
-

REVIEWER'S REPORT

Discussion (Lines 193-252)

✓ **Strengths:** The discussion section effectively contextualizes the findings, comparing them with previous research and highlighting the impact of hourglass distraction techniques on pediatric dental patients.

Suggestions for Improvement:

- Expand on the mechanisms that explain why the hourglass serves as an effective distraction tool.
 - Consider discussing the broader clinical applications and any potential limitations of this technique.
-

Conclusion (Lines 253-260)

Strengths: The conclusion concisely reinforces the study's main findings and recommends using liquid motion hourglasses as an effective behavior management strategy.

Suggestions for Improvement:

- Mention possible future research directions or improvements to the study design that could be explored in subsequent studie