



REVIEWER'S REPORT

Manuscript No.: IJAR-50428

Date: 27-02-2025

Title: Mastoid Process: Morphometric Parameters with Correlation to Side and Gender

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

Abstract Review: The abstract provides a concise summary of the study, outlining the significance of the mastoid process in forensic and anthropological applications. It effectively highlights the differences in mastoid parameters between male and female skulls and describes the study's methodology, including the sample size and location. The abstract clearly conveys the study's conclusion that male skulls exhibit larger mastoid parameters than female skulls. The inclusion of keywords ensures accessibility for relevant research fields.

Introduction Review: The introduction effectively introduces the anatomical significance of the mastoid process and its role in muscle attachment. It appropriately references past literature to support its claims. The mention of forensic and anthropological applications strengthens the study's relevance. The introduction successfully establishes the necessity of morphometric osteological criteria for gender identification, providing a solid foundation for the research.

Materials and Methods Review: The methodology is well-structured and provides a clear description of the study sample, including the number of skulls analyzed and the exclusion criteria. The morphometric parameters measured are detailed precisely, with specific measurement techniques referenced from prior studies. The use of a vernier caliper for accurate measurement is noted, and anatomical landmarks are well-defined. The inclusion of figures to illustrate the measurement techniques enhances the clarity of the methodology. The study is conducted in a controlled setting, ensuring reliability in data collection.

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Overall Assessment: The research is methodologically sound and clearly written, with well-defined objectives and a structured approach. The study's findings contribute to forensic anthropology and anatomical research by establishing morphometric differences in mastoid parameters between male and female skulls. The detailed descriptions and references to previous research support the study's validity. The inclusion of figures for measurement enhances comprehension. The study successfully meets its objective of providing morphometric data for gender determination through the mastoid process.