

REVIEWER'S REPORT

Manuscript No.: IJAR-55533

Title: Unusual absence of musculocutaneous nerve along with median nerve formation in mid arm

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 Name: Dr S. K. Nath

Date: 02.01.26

Detailed Reviewer's Report

Strengths of the Study

- The study addresses a rare and clinically significant anatomical variation, contributing valuable knowledge to the field of neuroanatomy.
- It provides detailed descriptive dissection observations, supported by visual figures, which enhance understanding of the anomaly.
- The case adds to the existing literature on brachial plexus variations, which is important for surgical and diagnostic considerations.
- The discussion integrates findings from previous studies, contextualizing the case within known anatomical variation classifications.

Weaknesses of the Study

- The sample size is limited to a single case, which restricts the generalizability of the findings.
- The methodology section lacks specific details on the dissection process, inclusion criteria for the cadaver, and ethical approval.
- There is no mention of imaging or supplementary modalities to confirm the anatomical variation.
- The discussion does not sufficiently explore the potential embryological basis or clinical ramifications beyond superficial descriptions.
- The references are somewhat inconsistent in formatting, and some key literature appears to be missing or not referenced appropriately.

Reviewer Comments

- The title clearly describes the case but could benefit from integrating terminology such as "Anatomical Variation" to emphasize its nature.
- The abstract succinctly outlines the key findings but could be improved with clearer organization and inclusion of clinical relevance.
- The introduction provides necessary background but lacks a well-defined statement of the study's specific objective beyond reporting a variation.
- Methodology details are sparse; including information about ethical approval, sample selection, and dissection techniques would strengthen the study's rigor.
- Results are well-documented, with clear descriptions and supportive figures; however, more comprehensive depiction of additional potential variations could be included.

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- The discussion appropriately references previous literature but should better elaborate on embryological aspects and detailed clinical implications, such as surgical considerations and nerve injury management.
- The conclusion summarizes the importance of awareness but could emphasize the need for further studies to determine the prevalence of such variations.
- Ethical considerations, including institutional review board approval or consent, are not addressed and should be specified if applicable.
- Language and grammar are generally acceptable but require minor proofreading for clarity and consistency.
- Figures are appropriately labeled but could be improved with higher resolution images and detailed legends for clarity.
- References are relevant but need standardization in formatting; some citations could be updated with recent studies.