

PEER-REVIEW REPORT

Name of journal: *World Journal of Orthopedics*

Manuscript NO: 90243

Title: Anatomic Location of the First Dorsal Extensor Compartment for Surgical De-Quervain's Tenosynovitis Release: A Cadaveric Study

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02923721

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Reviewer_Country

Author's Country/Territory: United States

Manuscript submission date: 2023-11-28

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-12-19 07:38

Reviewer performed review: 2023-12-19 13:04

Review time: 5 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

General reviewer comments: CR1: Generally, the issue is important for both the anatomists and surgeons in terms of the wrist surgery. In the present study, even though you define limited descriptive statistical measurement results, sample size and the data are insufficient to make generalizations in terms of clinical applications. I still remain unconvinced how this information is relevant to a surgeon. It is in a select small sized cadaveric study and, without some comparison to gender and bilaterality, there is very little that can be extracted from this analysis. CR2: The number of cases in the study is quite small. It is not known whether the right and left extremities belong to the same individual. The gender information of the specimens is not included. CR3: The anatomical terminology (as description of the structures for example muscle names etc.) of the manuscript should be rearranged according to Federative Committee on Anatomical Terminology as uniform. CR4: Figure legends and picture indications should be added. The figures are not clear enough without marks. They should be more descriptive for readers, needs to be explain clearly on the text, as well. CR5: Displaying the results in a histogram should yield much more information about distribution of



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measurements compared to mean, range and standard deviation. Additionally, statistical method information of the results must be given in the material method section. CR6: It is written exactly as follows in the paper: “ Important other parameters that were documented included the presence or absence of the superficial radial nerve overlying the first dorsal compartment, additional compartment sub-sheaths, number of APL tendon slips, and the presence of a pseudoretinaculum. Only two cadavers had a superficial branch of radial nerve that crossed over the first dorsal compartment and retinaculum proximally (7.03mm and 13.36mm).” However, you never mention the relationship of this branch with the superficial orientation bony points during its course in the area. It is important to the superficial branch of the radial nerve and its distance to superficial orientation landmarks (such as radial styloid process and also Lister's tubercle) for surgical implications. You not mention the number and course of possible branches of this branch. The anatomical results as description of the superficial branch and its branches and also relations and with the surrounding adjacent structures and also distance between origin point of the branch and the bony anatomical landmarks should be added. You also should mention the average length of the extensor retinaculum from its proximal to distal extent. CR7: Inclusion and exclusion criteria should be added to the study. CR 8: References that published before the year 2000 should be updated to most recent information available.