

Biceps Tenodesis: Location Comparison

Purpose

To compare the early clinical outcomes of pain, function, and quality of life for patients who underwent biceps tenodesis fixated at the top-of-the-groove, suprapectoral, or subpectoral regions.

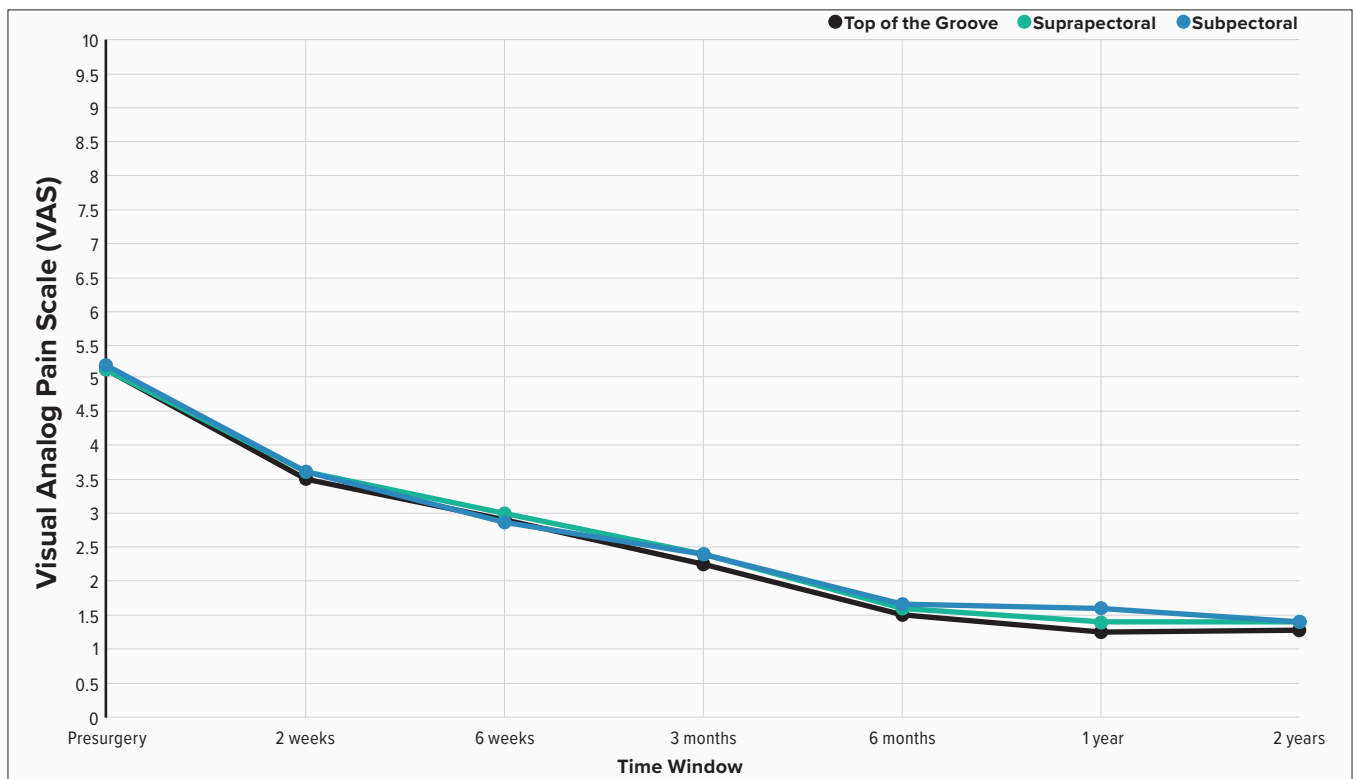
Methods

The inclusion criteria for this analysis were patients enrolled in the Surgical Outcomes System™ global registry who underwent biceps tenodesis fixated at the top-of-the-groove, suprapectoral, or subpectoral regions based on site data entry. Standard patient-reported outcomes questionnaires for VAS, ASES Function, and SANE were administered at standard time points postoperatively. Results were reported from presurgery to 2 years postsurgery. The numbers of compliant patients included per group are shown to the right.

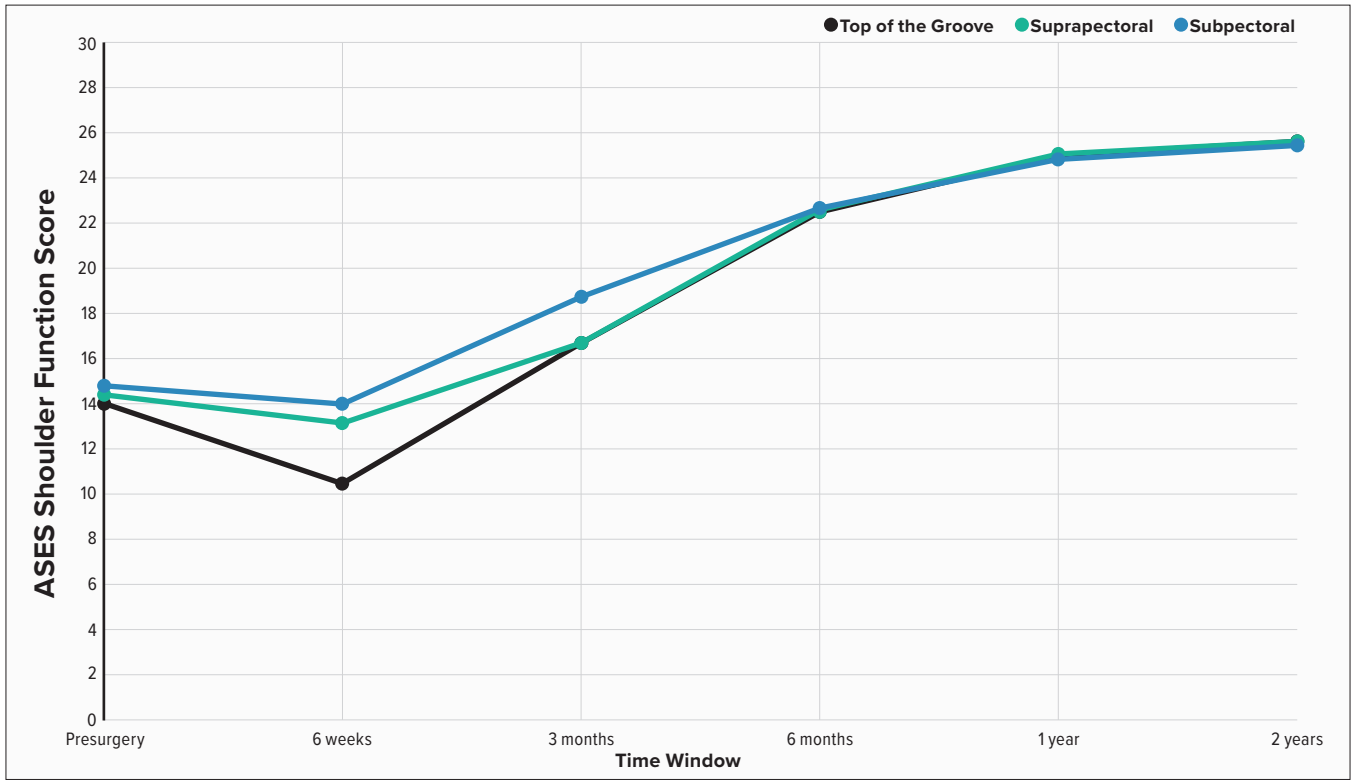
Time Point	# of Compliant/ Total # surveys sent Top of the Groove Patients	# of Compliant/ Total # surveys sent Suprapectoral Patients	# of Compliant/ Total # surveys sent Subpectoral Patients
Presurgery	1161/1547	723/1080	1327/1863
1 year	623/1065	437/783	913/1649
2 years	288/562	244/462	664/1276

Trend Conclusion

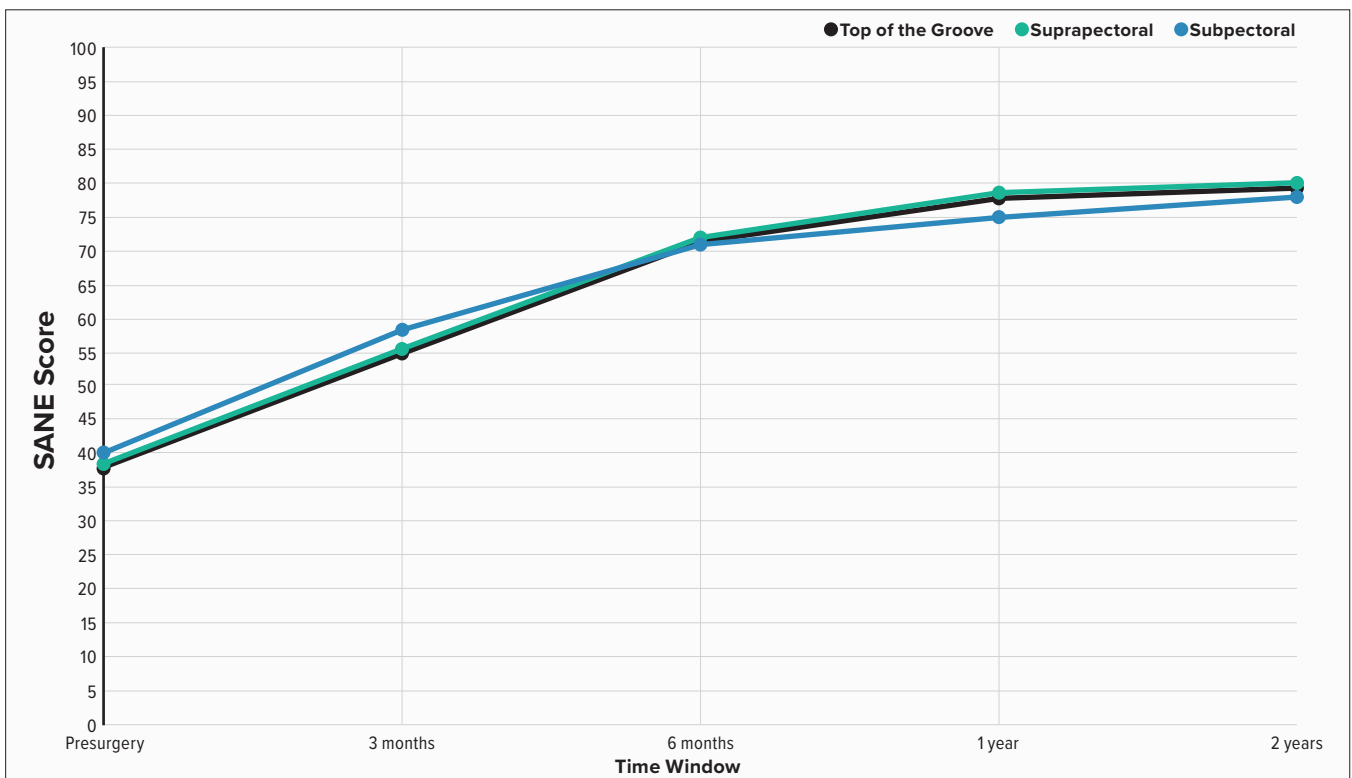
Based on these results for biceps tenodesis location, there appears to be a similar trend in pain, function, and quality-of-life scores for tenodesis performed at the top-of-the-groove, suprapectoral, and subpectoral regions. However, no claims can be made on the potential of these results without further analysis to determine if there is statistical significance.



VAS



ASES Shoulder Function Score



SANE Score



Surgical Outcomes System

Time Point	Top of the Groove Avg \pm STD VAS	Suprapectoral Avg \pm STD VAS	Subpectoral Avg \pm STD VAS
Presurgery	5.1 \pm 2.3	5.1 \pm 2.3	5.2 \pm 2.4
1 year	1.2 \pm 1.6	1.4 \pm 1.9	1.7 \pm 2.1
2 years	1.3 \pm 1.9	1.4 \pm 2.1	1.4 \pm 2.0

Time Point	Top of the Groove Avg \pm STD ASES-Function	Suprapectoral Avg \pm STD ASES-Function	Subpectoral Avg \pm STD ASES-Function
Presurgery	14.0 \pm 5.8	14.2 \pm 5.8	14.6 \pm 6.1
1 year	25.1 \pm 5.2	25.1 \pm 5.8	24.7 \pm 5.8
2 years	25.8 \pm 5.4	25.7 \pm 6.1	25.6 \pm 5.7

78.5 +/- 26.3	Top of the Groove Avg \pm STD SANE	Suprapectoral Avg \pm STD SANE	Subpectoral Avg \pm STD SANE
Presurgery	37.4 \pm 21.0	37.8 \pm 19.8	40.3 \pm 20.2
1 year	77.0 \pm 25.5	77.9 \pm 23.9	75.3 \pm 25.3
2 years	78.5 \pm 26.3	79.2 \pm 23.7	76.8 \pm 26.7