



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 region.

Methods

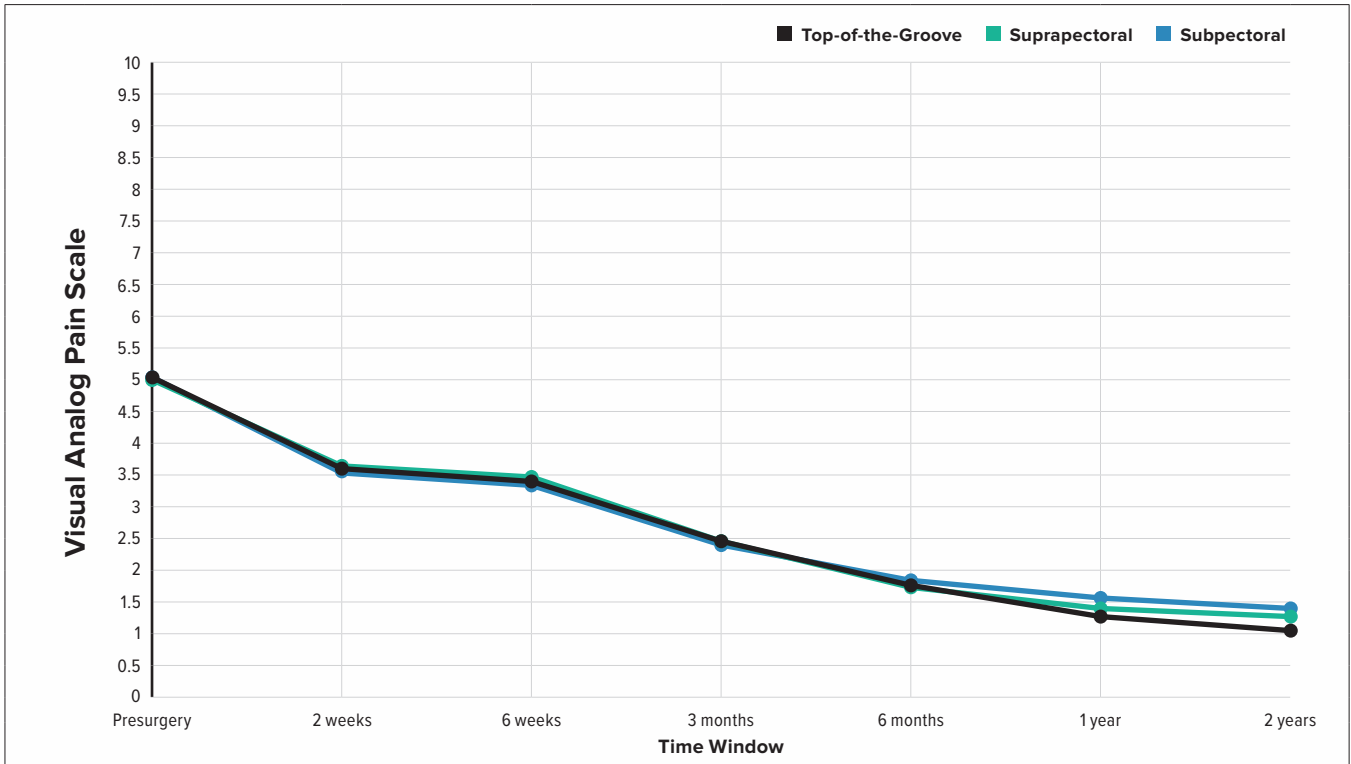
The inclusion criteria for this analysis were patients enrolled in the Surgical Outcomes System™ global registry who underwent biceps tenodesis fixated at the top-of-the-groove, suprapectoral, or subpectoral region based on site data entry. Standard patient-reported outcomes questionnaires for VAS, ASES 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 to Top-of-the- Groove patients	# of Compliant/ Total # Surveys Sent to Suprapectoral Patients	# of Compliant/ Total # Surveys Sent to Subpectoral Patients
Presurgery	1633/2173	960/1478	1706/2394
1 year	1027/1679	670/1137	1073/1955
2 years	596/1079	425/802	830/1612

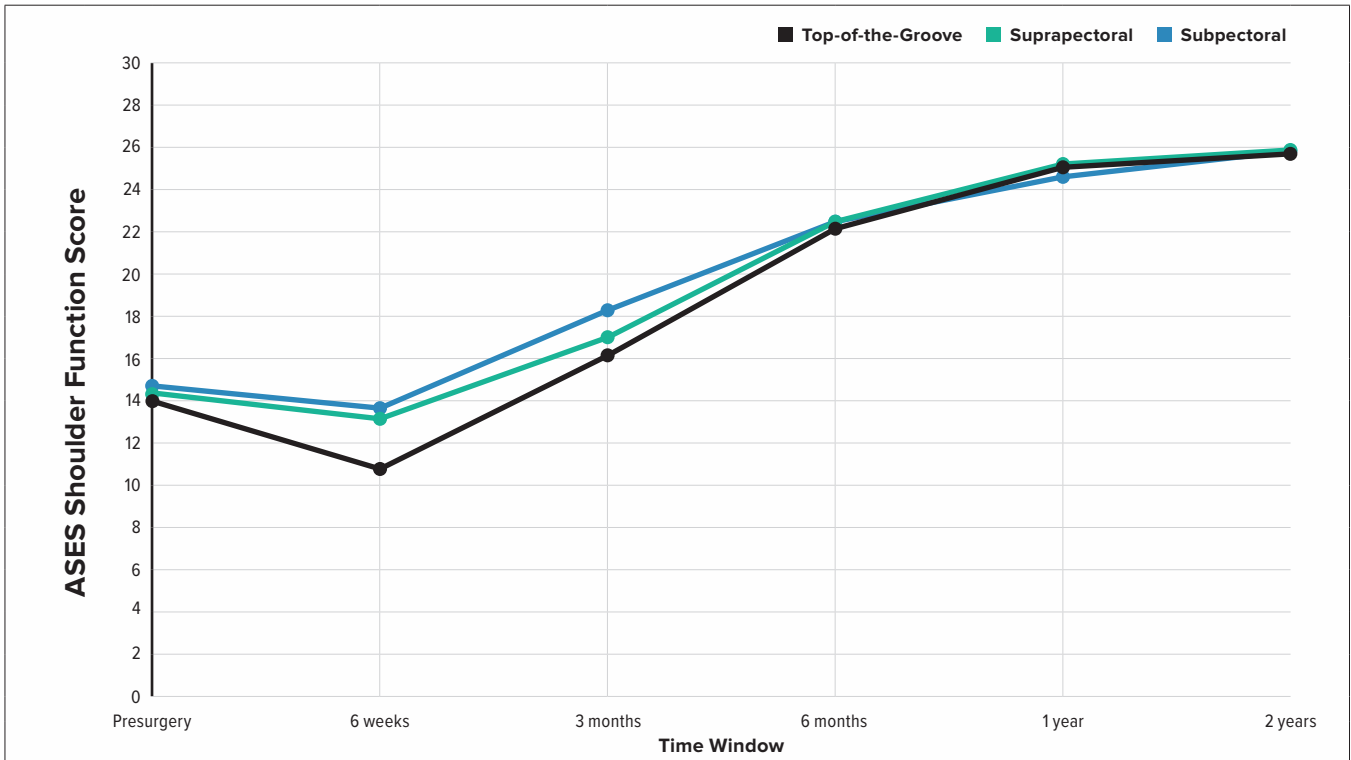
Trend Conclusion

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.

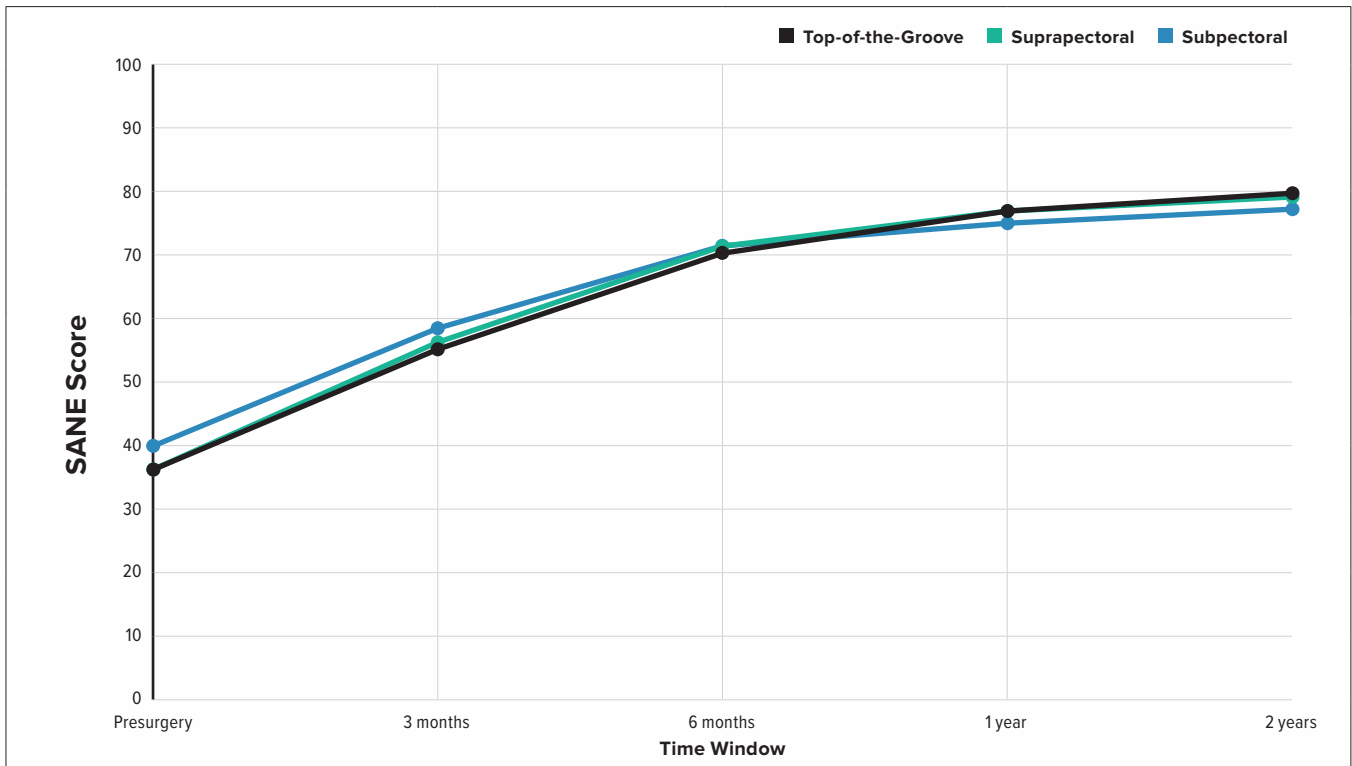
Results



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 2.4	5.1 \pm 2.3	5.1 \pm 2.4
1 year	1.3 \pm 1.7	1.4 \pm 1.9	1.6 \pm 2.1
2 years	1.1 \pm 2.1	1.3 \pm 2.0	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	14.8 \pm 6.1
1 year	25.1 \pm 5.4	25.2 \pm 5.7	24.8 \pm 5.7
2 years	25.9 \pm 5.3	25.9 \pm 5.8	25.8 \pm 5.5

78.5 +/- 26.3	Top-of-the-Groove Avg \pm STD SANE	Suprapectoral Avg \pm STD SANE	Subpectoral Avg \pm STD SANE
Presurgery	37.6 \pm 20.7	37.6 \pm 19.9	40.1 \pm 20.3
1 year	77.6 \pm 24.7	77.3 \pm 24.8	75.7 \pm 24.8
2 years	79.7 \pm 25.7	79.3 \pm 24.5	77.8 \pm 26.1