

## SLAP Repair: Knotless vs Knotted

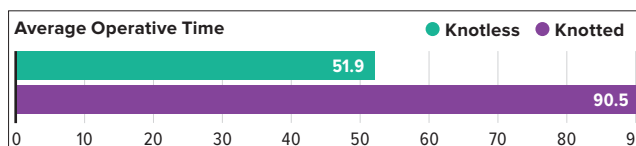
### Purpose

To report the clinical outcomes of pain, function and quality of life for patients who have undergone SLAP repair utilizing either knotless or knotted technique.

### Methods

The inclusion criteria for this analysis were patients enrolled in the Surgical Outcomes System™ registry who underwent a SLAP repair performed using a knotted technique or knotless technique. Standard patient-reported outcomes questionnaires for VAS, ASES Function, and SANE were administered at standard time points postoperatively. Results were reported from presurgery out to 5 years postsurgery. The number of patients included per time point is shown to the right.

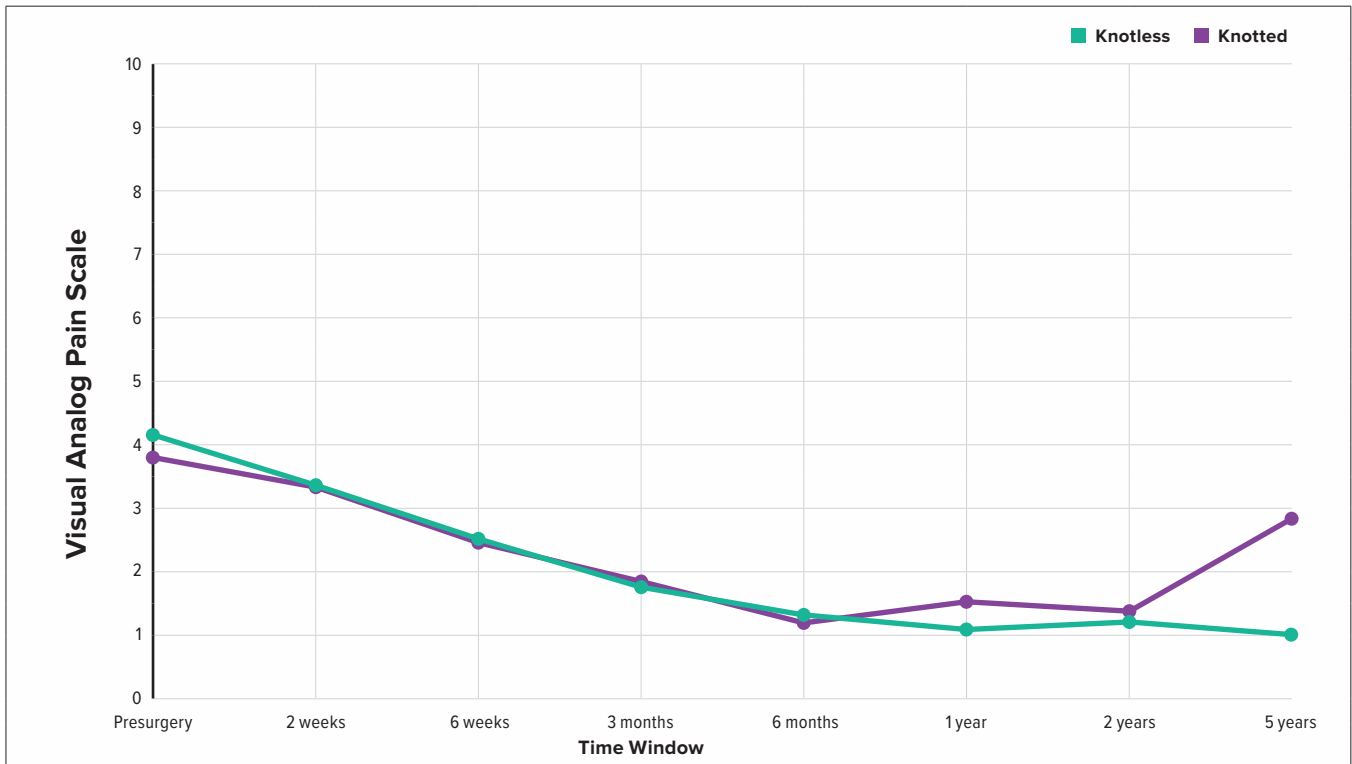
Time Point	# of Knotless Patients/ Total # of Patients	# of Knotted Patients/ Total # of Patients
Presurgery	358/513	146/231
1 year	209/437	83/197
2 years	137/355	71/177
5 years	30/71	15/57



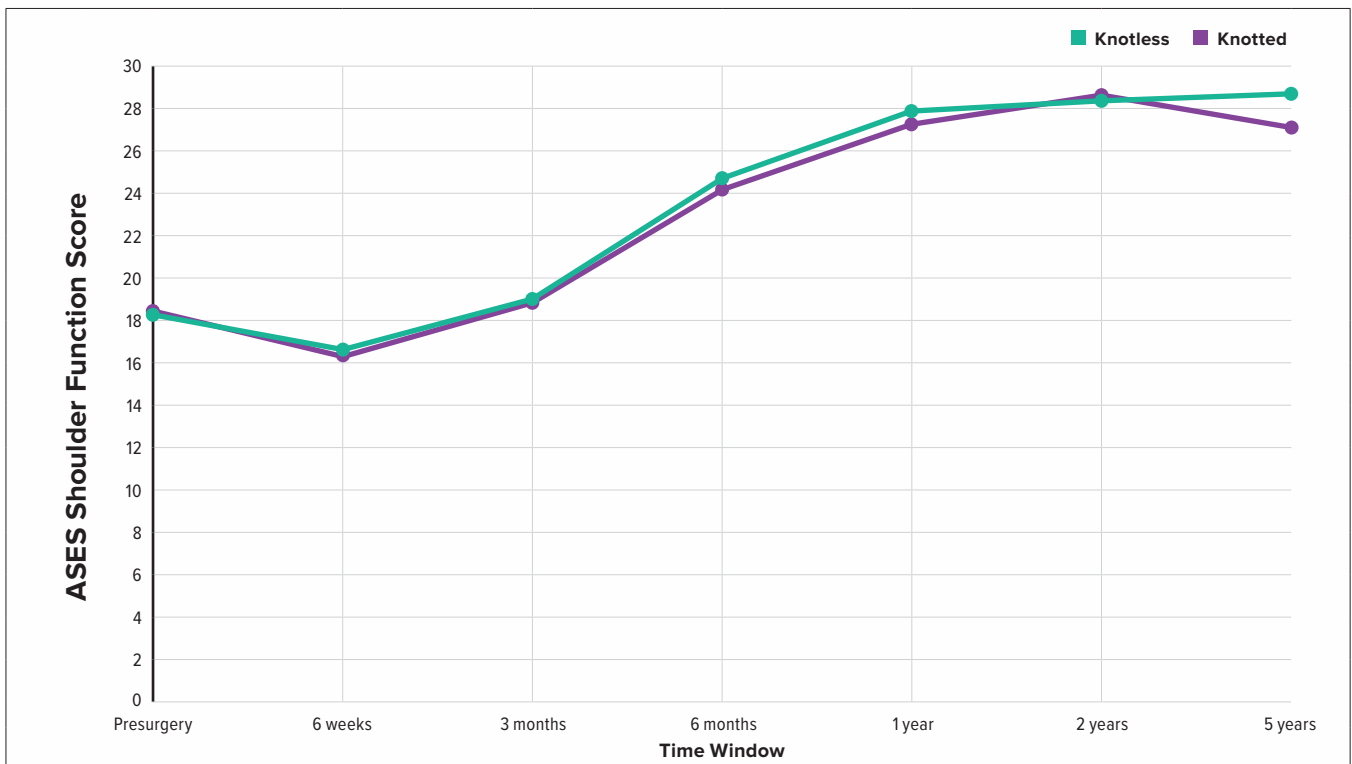
### Trend Conclusion

Based on these results for SLAP repair, there appears to be a similar trend in pain, function, and quality-of-life scores for knotless vs knotted technique. For this comparison, approximately 30% of the knotted cases and 15% of the knotless cases documented operative time. The average operative time was approximately 38 minutes less for cases that used knotless technology. However, no claims can be made on the potential for these results without further analysis to determine if there is statistical significance.

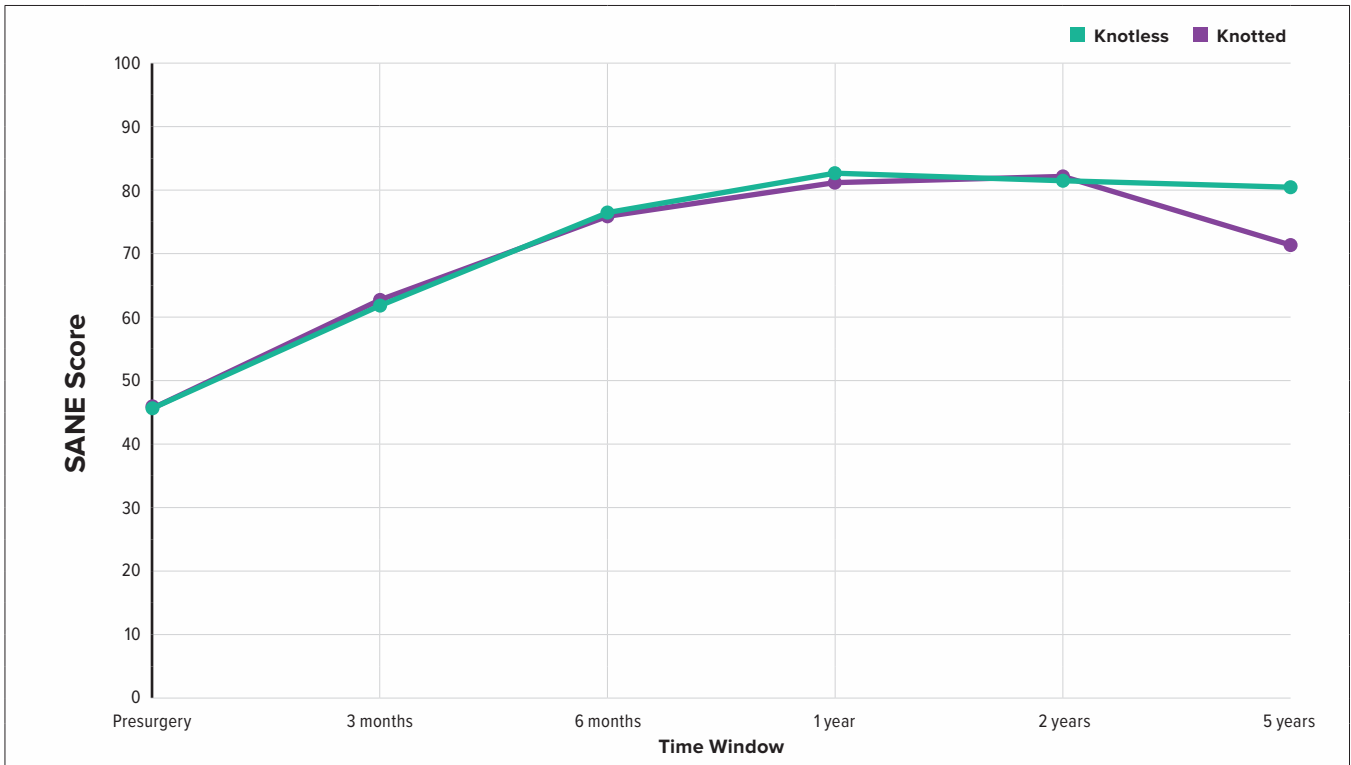
## Results



### VAS



### ASES Shoulder Function



SANE

Time Point	Knotless SLAP Avg ± STD VAS	Knotted SLAP Avg ± STD VAS
Presurgery	4.2 ± 2.4	3.8 ± 2.6
1 year	1.1 ± 1.7	1.5 ± 2.0
2 years	1.2 ± 1.7	1.4 ± 2.0
5 years	1.0 ± 1.6	2.8 ± 3.3

Time Point	Knotless SLAP Avg ± STD ASES Function	Knotted SLAP Avg ± STD ASES Function
Presurgery	18.3 ± 5.8	18.6 ± 5.6
1 year	26.8 ± 4.3	26.1 ± 3.6
2 years	27.3 ± 3.4	27.6 ± 2.8
5 years	28.2 ± 3.1	25.6 ± 6.7

Time Point	Knotless SLAP Avg ± STD SANE	Knotted SLAP Avg ± STD SANE
Presurgery	45.2 ± 18.9	45.5 ± 19.8
1 year	82.8 ± 18.9	81.2 ± 15.8
2 years	81.8 ± 20.6	82.7 ± 18.6
5 years	80.6 ± 28.1	70.9 ± 33.2