

Double-Row RCR: Knotless SpeedBridge™ Repair vs Knotted Repair

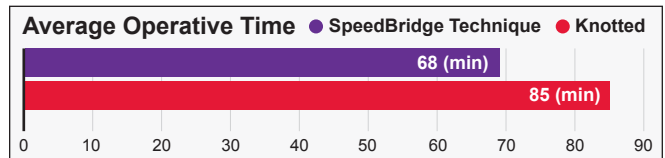
PURPOSE

To report the early clinical outcomes of pain, function, and quality of life for patients who underwent double-row rotator cuff repair with the knotless SpeedBridge technique vs traditional knotted technique.

METHODS

The inclusion criteria for this analysis were patients enrolled in the Surgical Outcomes System™ global registry who underwent a double-row RCR with either a knotless SpeedBridge or traditional knotted repair (including knotted SpeedBridge and SutureBridge™ repairs) 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 and total patients included per group are shown to the right.

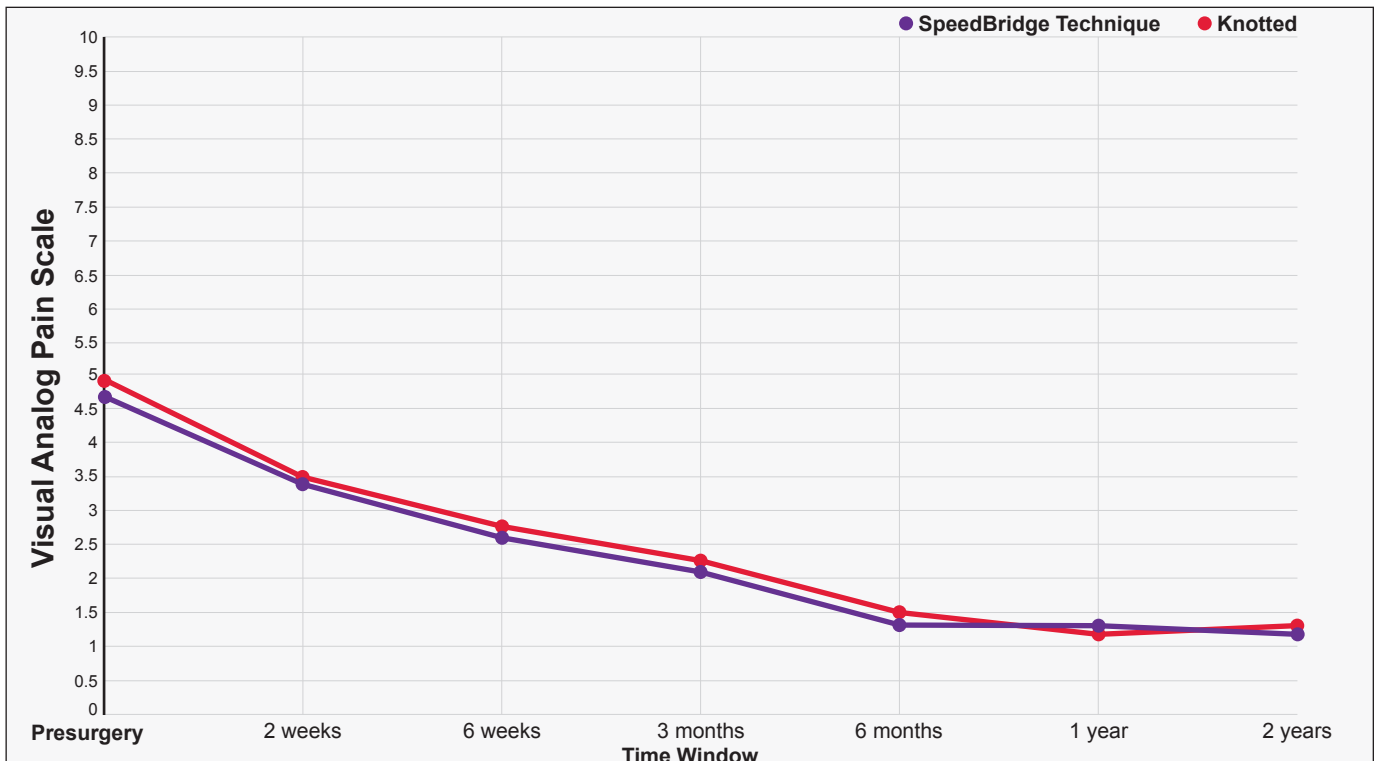
Time Point	# of Compliant Knotless Patients/ Total # of Patients	# of Compliant Knotted Patients/ Total # of Patients
Presurgery	1022/1450	1550/2309
1 year	565/995	1055/1796
2 years	267/554	638/1171



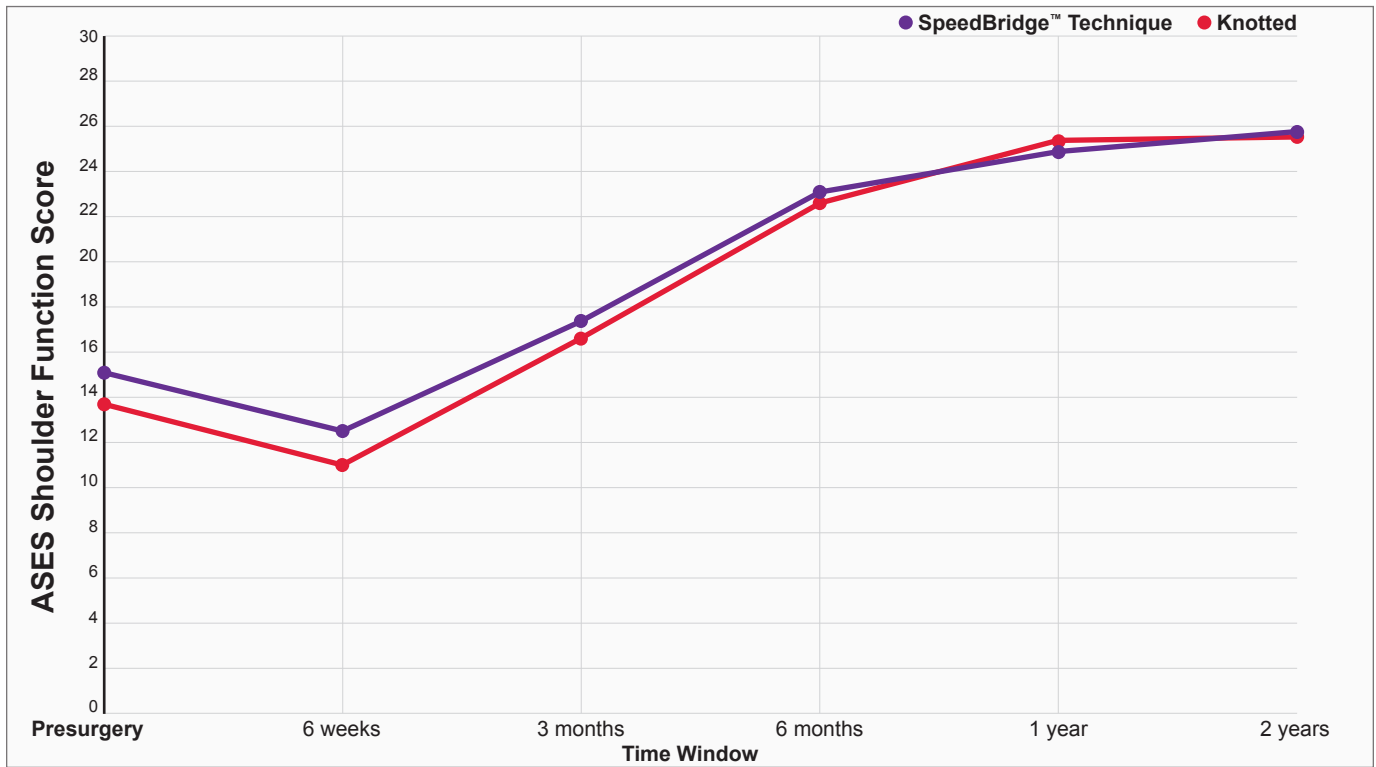
TREND CONCLUSION

Based on these results for double-row rotator cuff repair, there appears to be a similar trend in pain, function, and quality-of-life scores for the knotless SpeedBridge technique vs traditional knotted technique. For this comparison, approximately 15% of the knotless cases and 29% of the knotted cases documented operative time. The average operative time was approximately 17 minutes less for cases using knotless technology. However, further statistical analysis would be needed to determine if these findings have statistical significance.

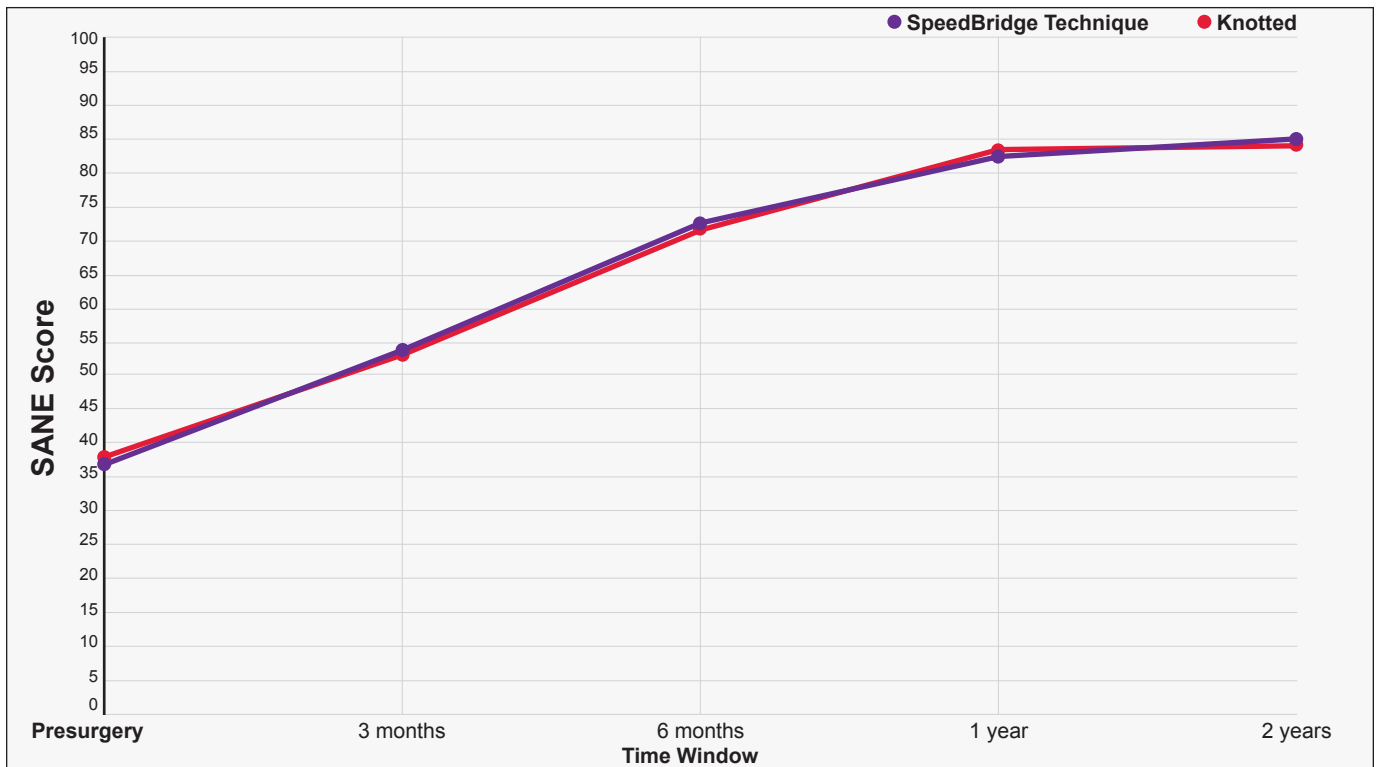
RESULTS



VAS



ASES Function



SANE

Time Point	Knotless VAS Mean ± SD	Knotted VAS Mean ± SD
Presurgery	4.7 ± 2.4	4.9 ± 2.4
1 year	1.3 ± 1.7	1.2 ± 1.6
2 years	1.1 ± 1.7	1.2 ± 1.9

Time Point	Knotless ASES Shoulder Function Mean ± SD	Knotted ASES Shoulder Function Mean ± SD
Presurgery	14.9 ± 5.8	14.0 ± 5.8
1 year	24.8 ± 5.5	25.1 ± 5.2
2 years	26.0 ± 5.1	25.8 ± 5.5

Time Point	Knotless SANE Mean ± SD	Knotted SANE Mean ± SD
Presurgery	37.1 ± 20.2	36.6 ± 20.3
1 year	77.9 ± 23.4	78.7 ± 23.3
2 years	80.0 ± 24.7	79.3 ± 25.7