



## BTB Autograft Versus GraftLink® Autograft for ACL Reconstruction

### Purpose

To report the clinical outcomes of pain, function, and quality of life for patients who underwent ACL reconstruction using bone-tendon-bone (BTB) autografts compared to GraftLink autografts.

### Methods

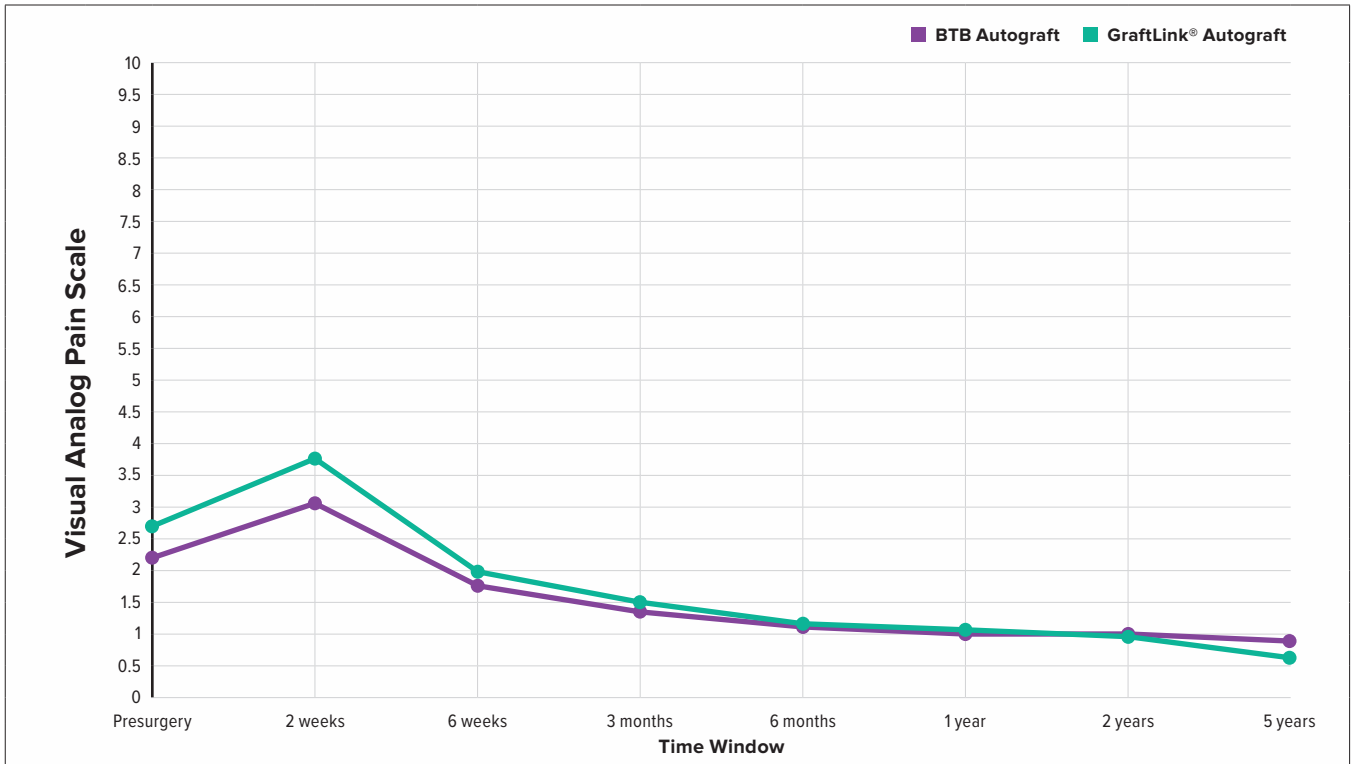
The inclusion criteria for this analysis were patients enrolled in the Surgical Outcomes System™ global registry who underwent ACL reconstruction with either a BTB or GraftLink autograft. Standard patient-reported outcome questionnaires for VAS, KOOS Sport/Rec, Marx activity, and SANE knee were administered at standard time points postoperatively. Results were reported from presurgery to 5 years postsurgery. The numbers of patients included per group are shown to the right.

Time Point	No. Compliant BTB Autograft Patients/ No. of Total Surveys Sent	No. Compliant GraftLink Autograft Patients/ No. of Total Surveys Sent
Presurgery	1466/2486	596/756
1 year	1018/2121	413/684
2 years	791/1734	295/580
5 years	151/380	99/224

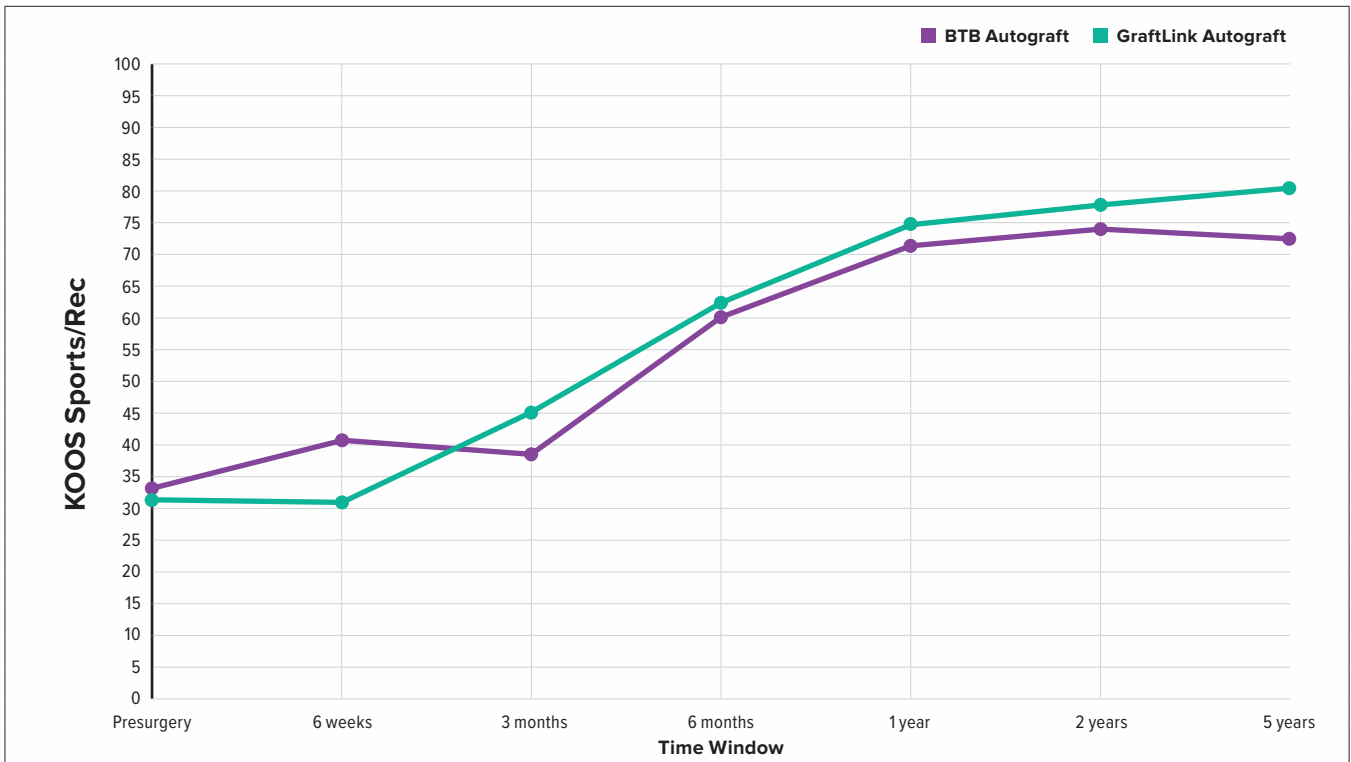
### Trend Conclusion

Based on these results, there appears to be a similar trend in pain, function, and quality-of-life scores for GraftLink autograft compared to the current standard of BTB autograft. However, no claims can be made on the potential of these results without further analysis to determine statistical significance.

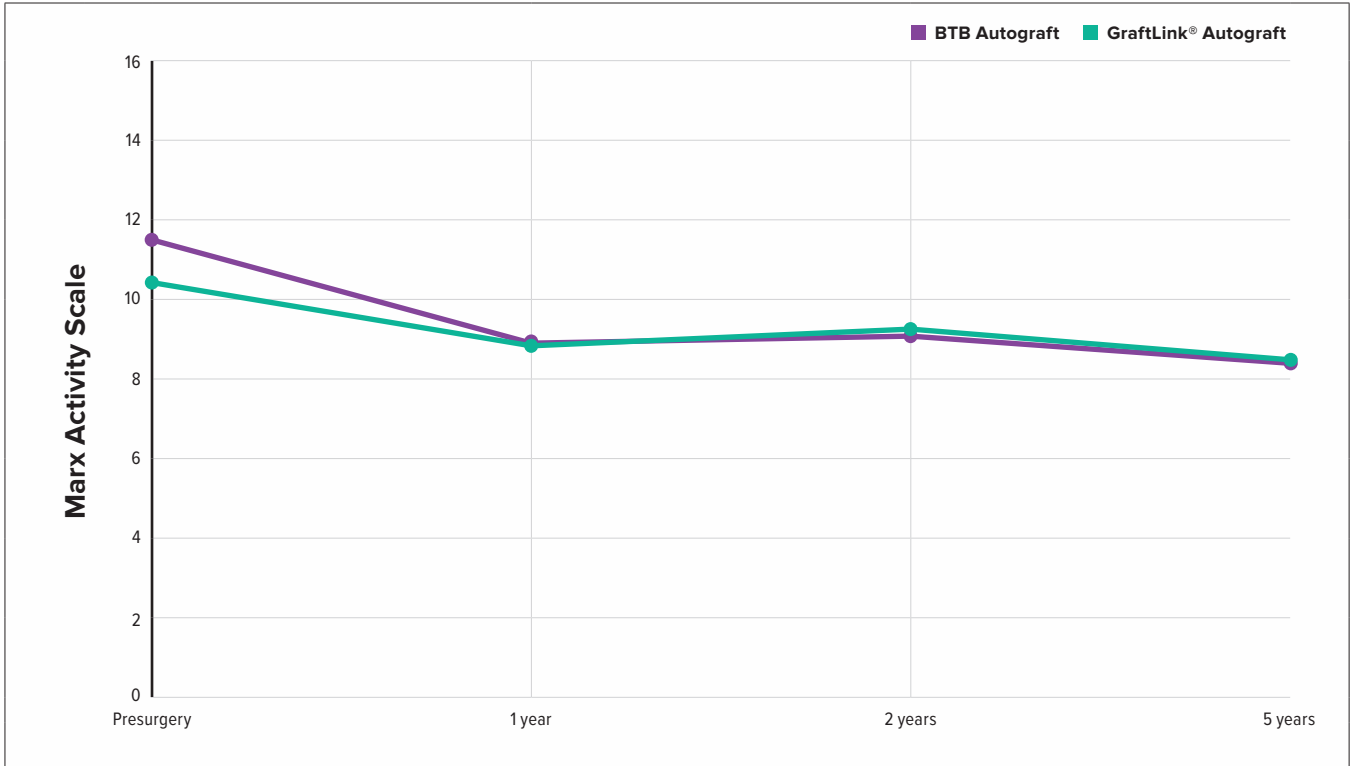
## Results



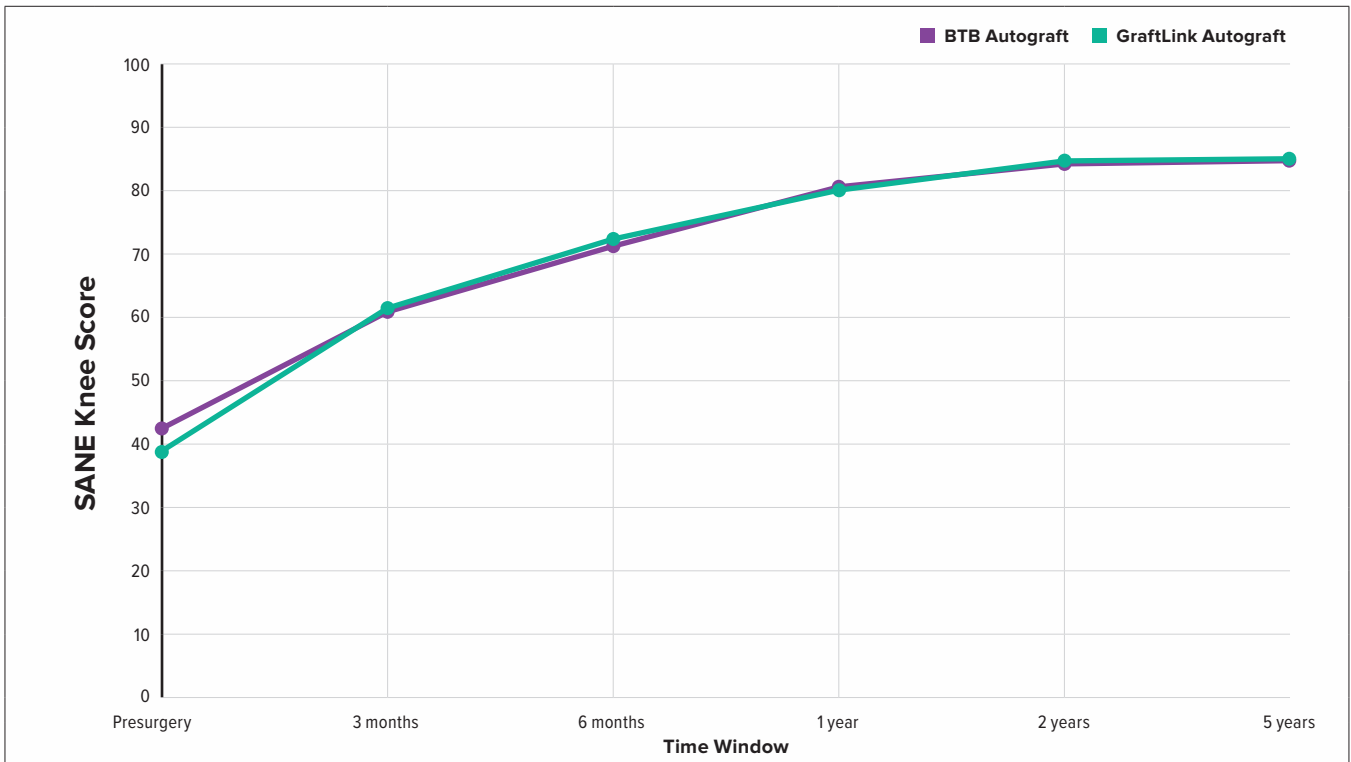
VAS



KOOS Sports/Rec



**Marx Activity Scale**



**SANE Knee Score**



# Surgical Outcomes System

Time Point	BTB Autograft Avg $\pm$ STD VAS	GraftLink® Autograft Avg $\pm$ STD VAS
Presurgery	2.2 $\pm$ 2.0	2.7 $\pm$ 2.3
1 year	1.0 $\pm$ 1.5	1.2 $\pm$ 1.6
2 years	1.0 $\pm$ 1.5	0.9 $\pm$ 1.6
5 years	0.9 $\pm$ 1.4	0.6 $\pm$ 1.3

Time Point	BTB Autograft Avg $\pm$ STD KOOS Sports/Rec	GraftLink Autograft Avg $\pm$ STD KOOS Sports/Rec
Presurgery	34.0 $\pm$ 28.3	32.0 $\pm$ 27.5
1 year	72.2 $\pm$ 25.4	74.6 $\pm$ 23.3
2 years	74.7 $\pm$ 27.2	78.0 $\pm$ 26.5
5 years	73.4 $\pm$ 31.4	81.0 $\pm$ 27.1

Time Point	BTB Autograft Avg $\pm$ STD Marx Activity	GraftLink Autograft Avg $\pm$ STD Marx Activity
Presurgery	11.5 $\pm$ 5.2	10.6 $\pm$ 5.4
1 year	8.5 $\pm$ 5.6	8.4 $\pm$ 5.2
2 years	8.8 $\pm$ 5.2	9.2 $\pm$ 5.2
5 years	8.2 $\pm$ 5.1	8.3 $\pm$ 5.0

Time Point	BTB Autograft Avg $\pm$ STD SANE Knee	GraftLink Autograft Avg $\pm$ STD SANE Knee
Presurgery	42.8 $\pm$ 24.0	39.0 $\pm$ 22.3
1 year	81.7 $\pm$ 16.0	80.4 $\pm$ 17.4
2 years	83.9 $\pm$ 16.2	84.0 $\pm$ 18.8
5 years	84.7 $\pm$ 17.5	85.8 $\pm$ 16.5