

ATFL InternalBrace™ Ligament Augmentation

Purpose

To report the clinical outcomes of pain, function, and quality of life for patients who have chronic lateral ankle ligament disruption with instability repaired with the Brostrom procedure and augmented with InternalBrace ligament augmentation.

Methods

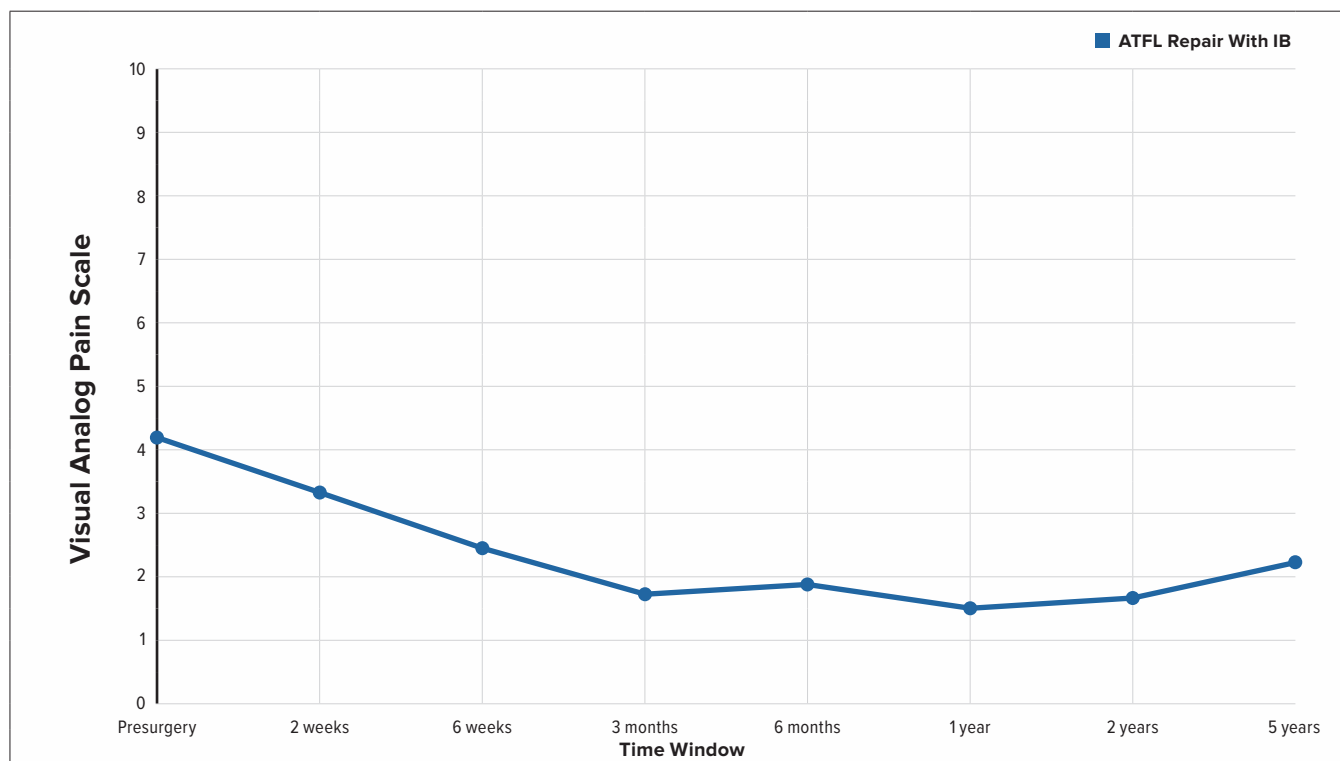
The inclusion criteria for this analysis were patients enrolled in the Surgical Outcomes System™ registry who underwent ATFL InternalBrace ligament augmentation. Standard patient-reported outcomes questionnaires for VAS, Foot and Ankle Ability Measure – sports scale (FAAM), and Foot Function Index (FFI) were administered at standard time points postoperatively. Results were reported from presurgery out to 5 years postsurgery. The number of patients included per group is shown to the right.

Time Point	# of Compliant ATFL IB Patients/Total # of Patients
Presurgery	222/303
1 year	156/237
2 years	111/165
5 years	25/37

Trend Conclusion

Based on these results, the pain, function, and quality-of-life scores of ATFL InternalBrace ligament augmentation appear to trend towards lower pain and improved function. However, no claims can be made on the potential for these results without further analysis to determine if there is statistical significance.

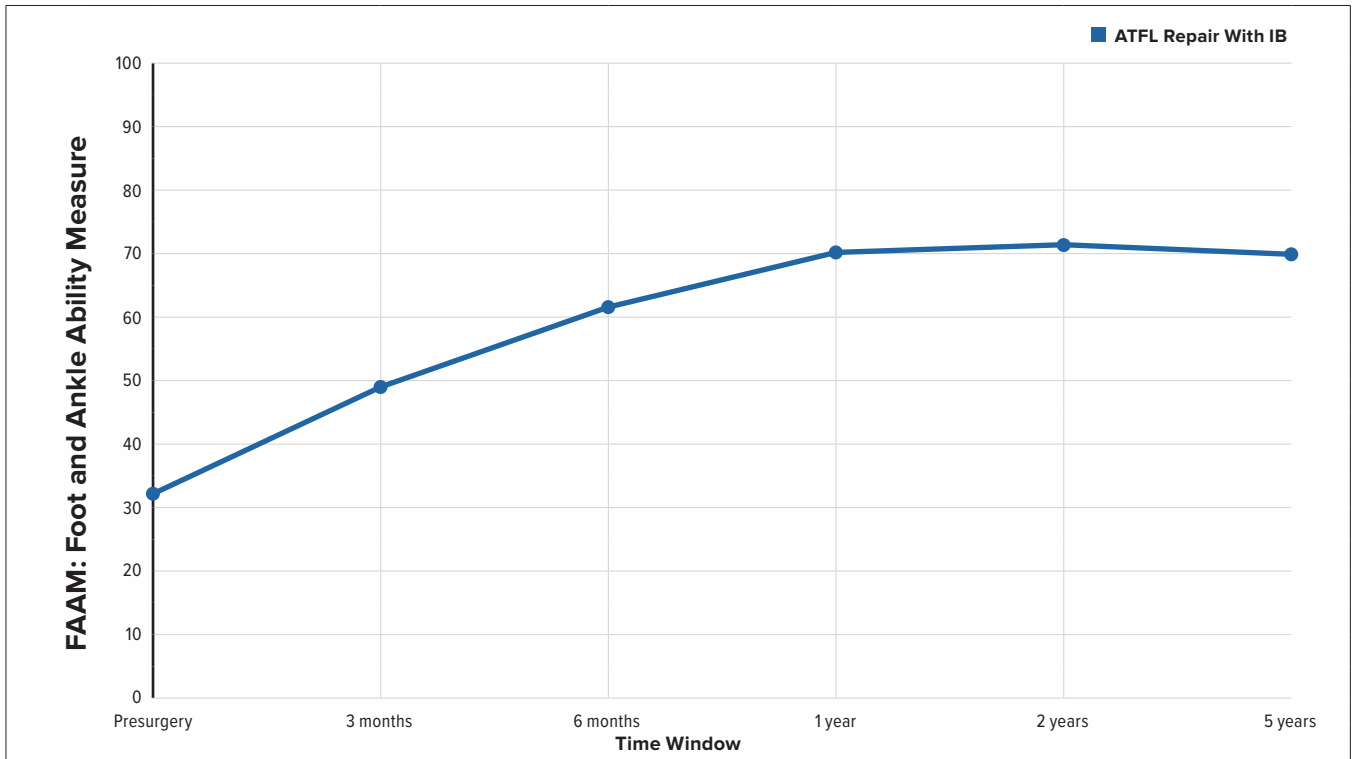
Results



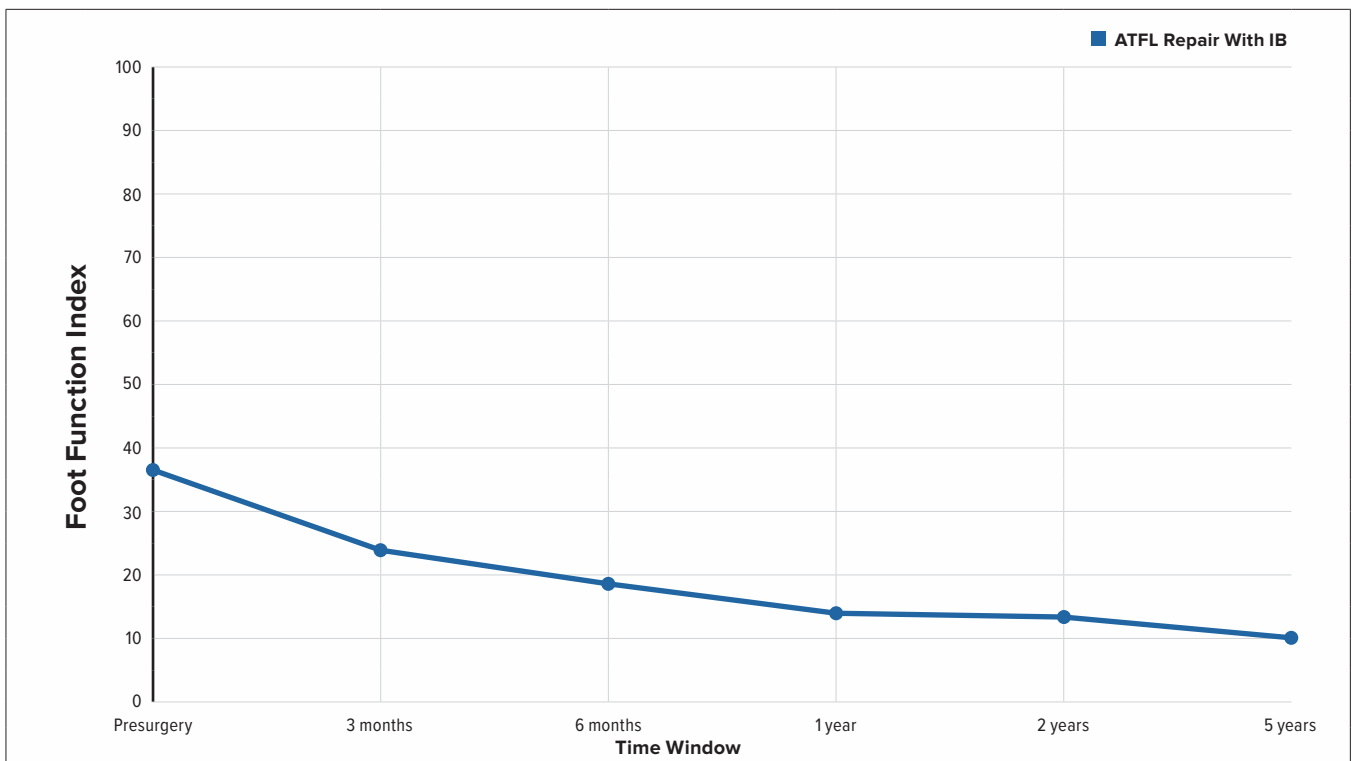
VAS

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FAAM



FFI

Time Point	ATFL Repair With IB Avg ± STD VAS
Presurgery	4.2 ± 2.5
1 year	1.5 ± 2.0
2 years	1.7 ± 2.3
5 years	2.2 ± 2.6

Time Point	ATFL Repair With IB Avg ± STD FAAM
Presurgery	32.6 ± 20.5
1 year	69.9 ± 28.7
2 years	71.3 ± 32.0
5 years	70.0 ± 30.5

Time Point	ATFL Repair With IB Avg ± STD FFI
Presurgery	36.7 ± 18.7
1 year	14.0 ± 16.2
2 years	13.5 ± 17.0
5 years	10.8 ± 17.6