

ATFL *Internal/Brace*™ Ligament Augmentation Repair

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 *Internal/Brace* ligament augmentation repair.

Methods

The inclusion criteria for this analysis were patients enrolled in the Surgical Outcomes System™ registry who underwent ATFL *Internal/Brace* ligament augmentation repair. Standard patient-reported outcomes questionnaires for VAS, Foot and Ankle Ability Measure – sports scale (FAAM), and Foor 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.

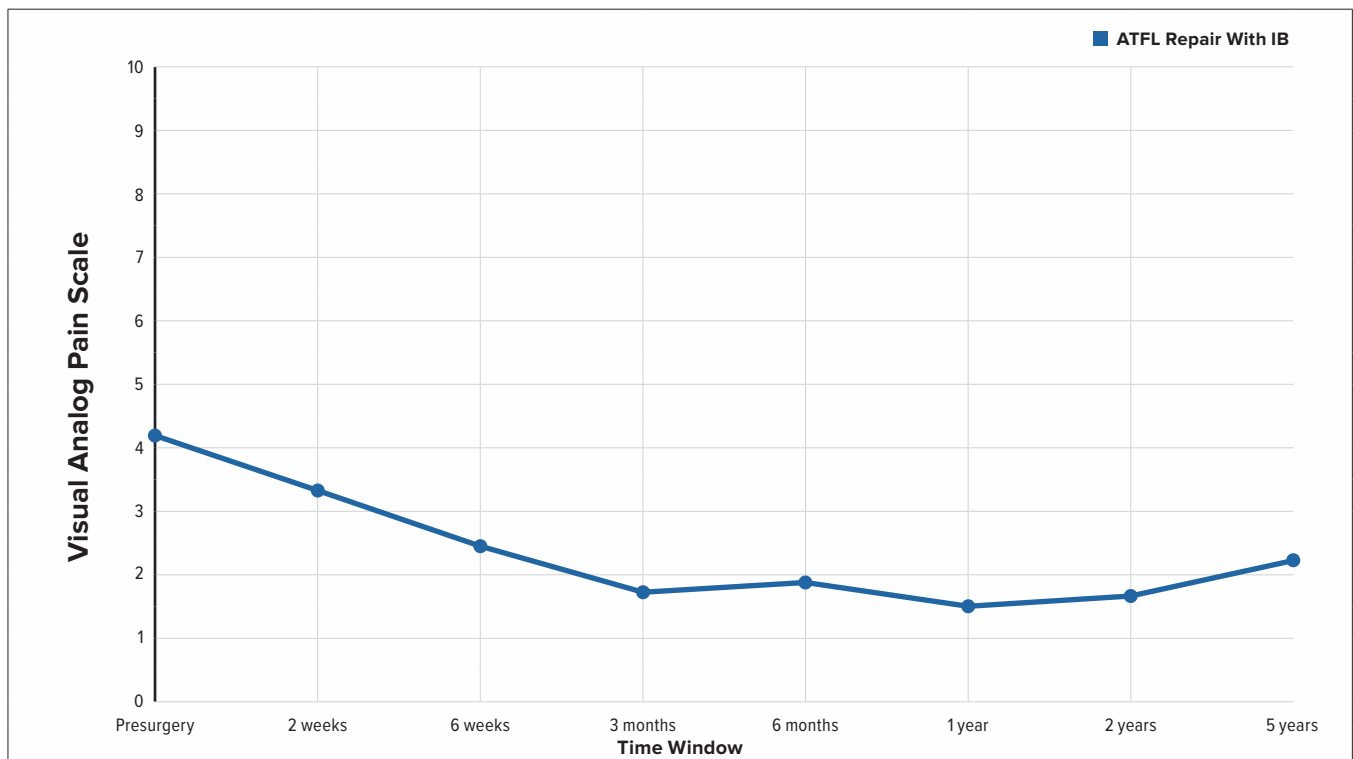
Time Point	# of Compliant ATFL IB Patients/Total # of Patients
Presurgery	222/303
1 year	156/237
2 years	111/165
5 years	25/37

Trend Conclusion

Based on these results, the pain, function, and quality-of-life scores of ATFL *Internal/Brace* ligament augmentation repair 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.

The *Internal/Brace* surgical technique is intended only to augment the primary repair/reconstruction by expanding the area of tissue approximation during the healing period and is not intended as a replacement for the native ligament. The *Internal/Brace* technique is for use during soft tissue-to-bone fixation procedures and is not cleared for bone-to-bone fixation.

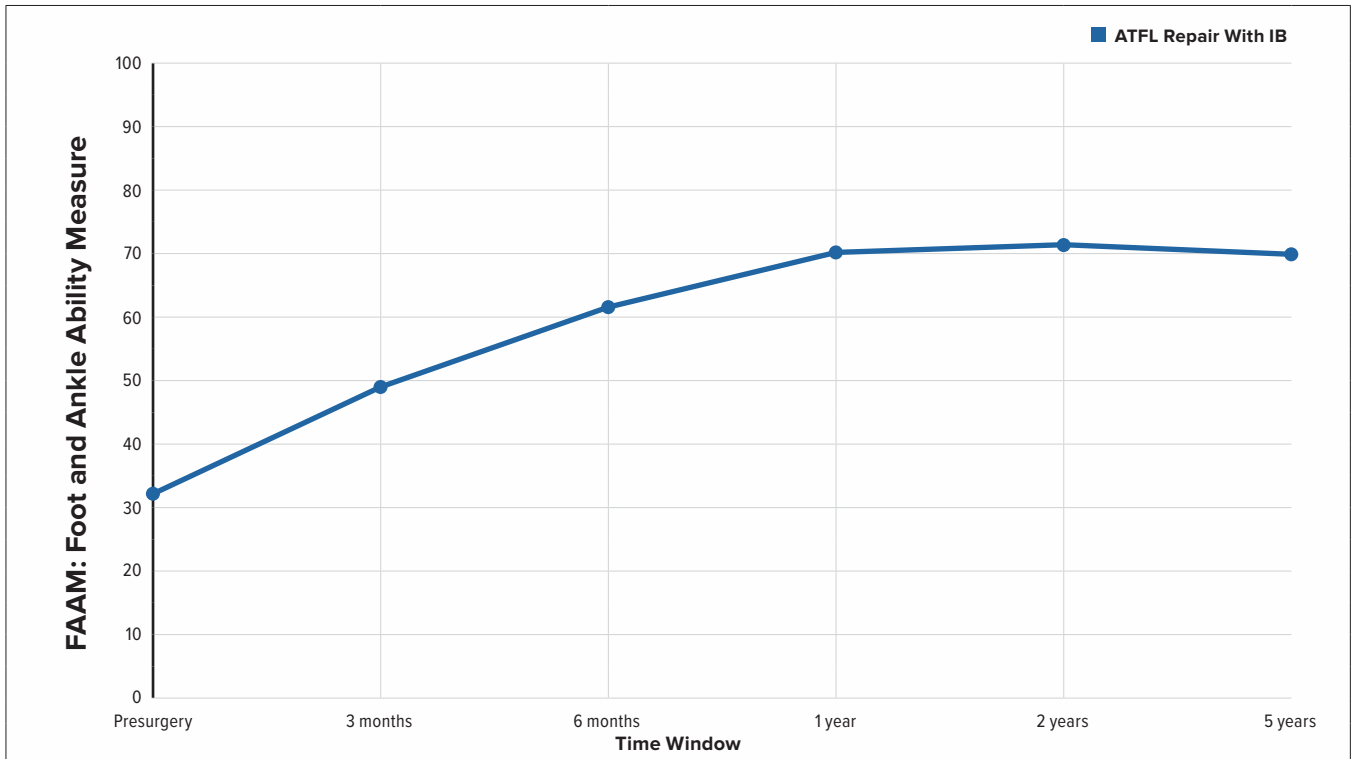
Results



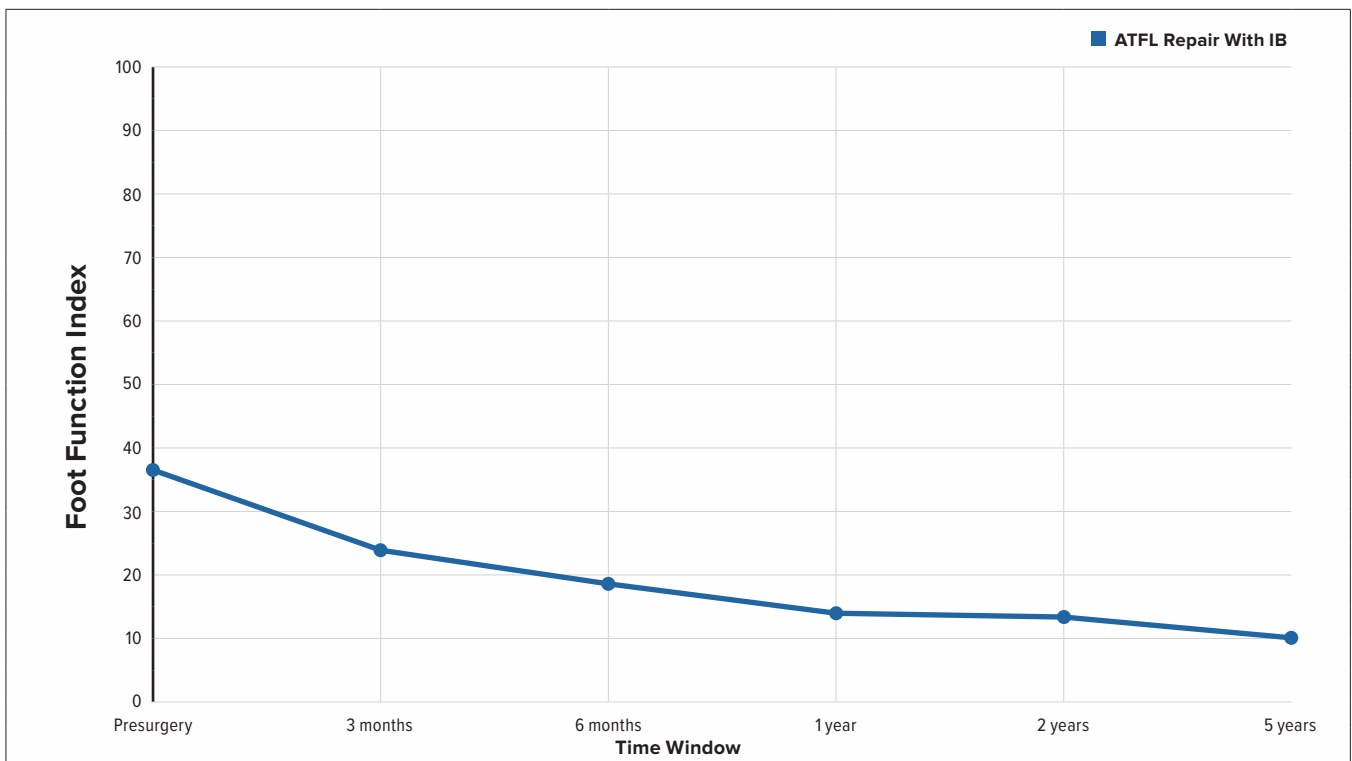
VAS

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FAAM



FFI



Surgical Outcomes System

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

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

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

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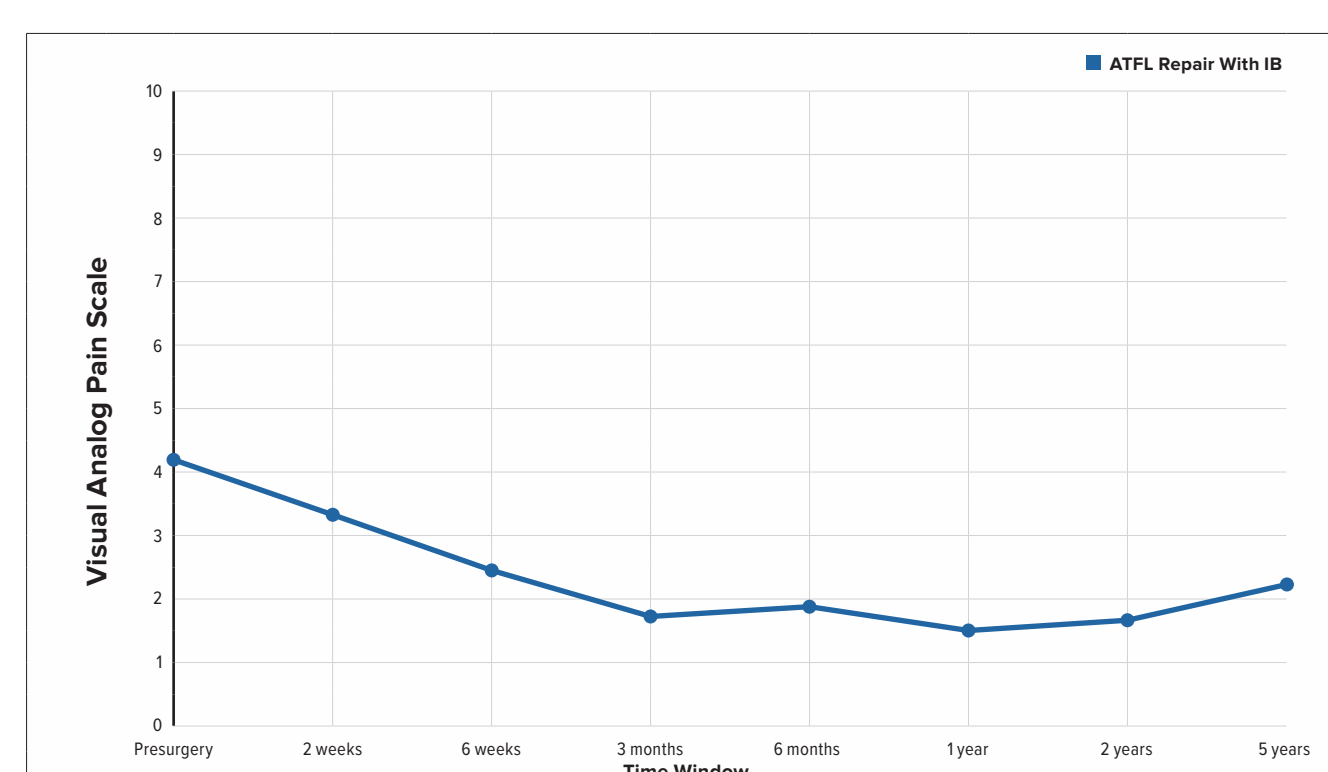
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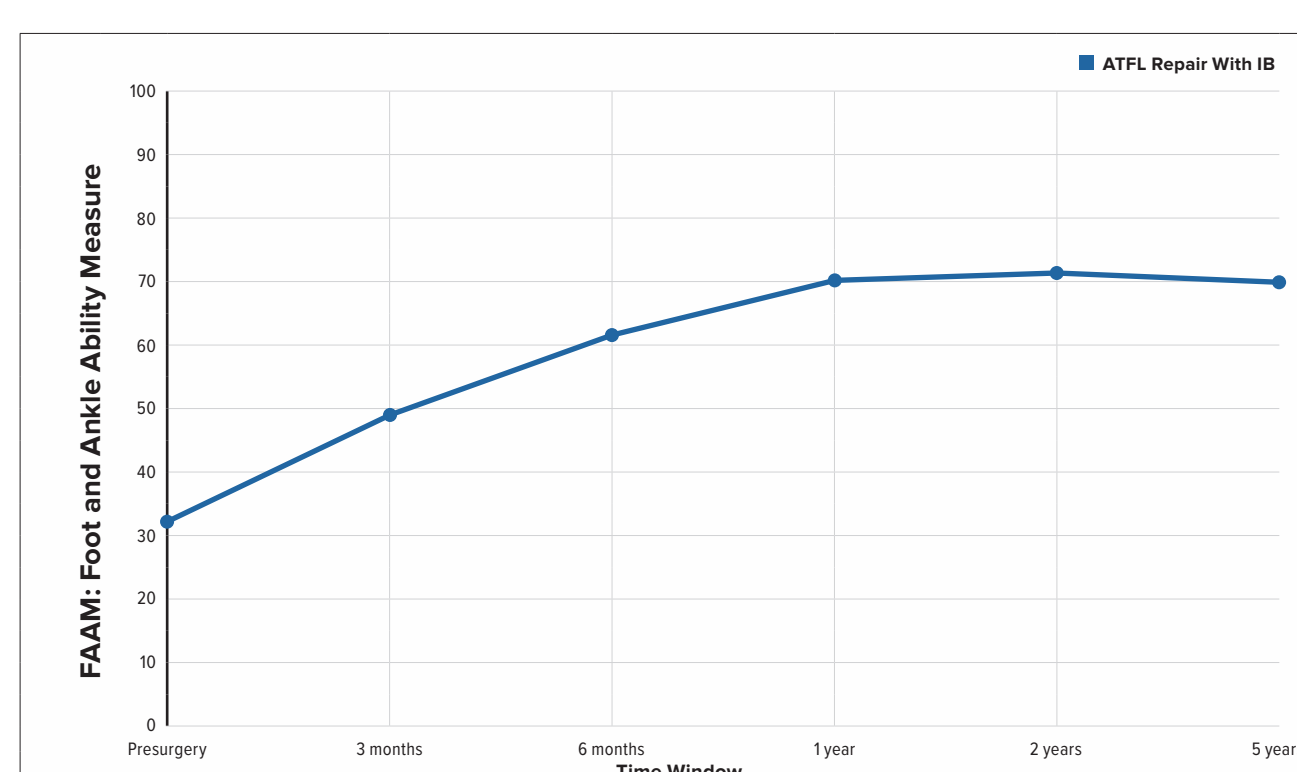
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Results



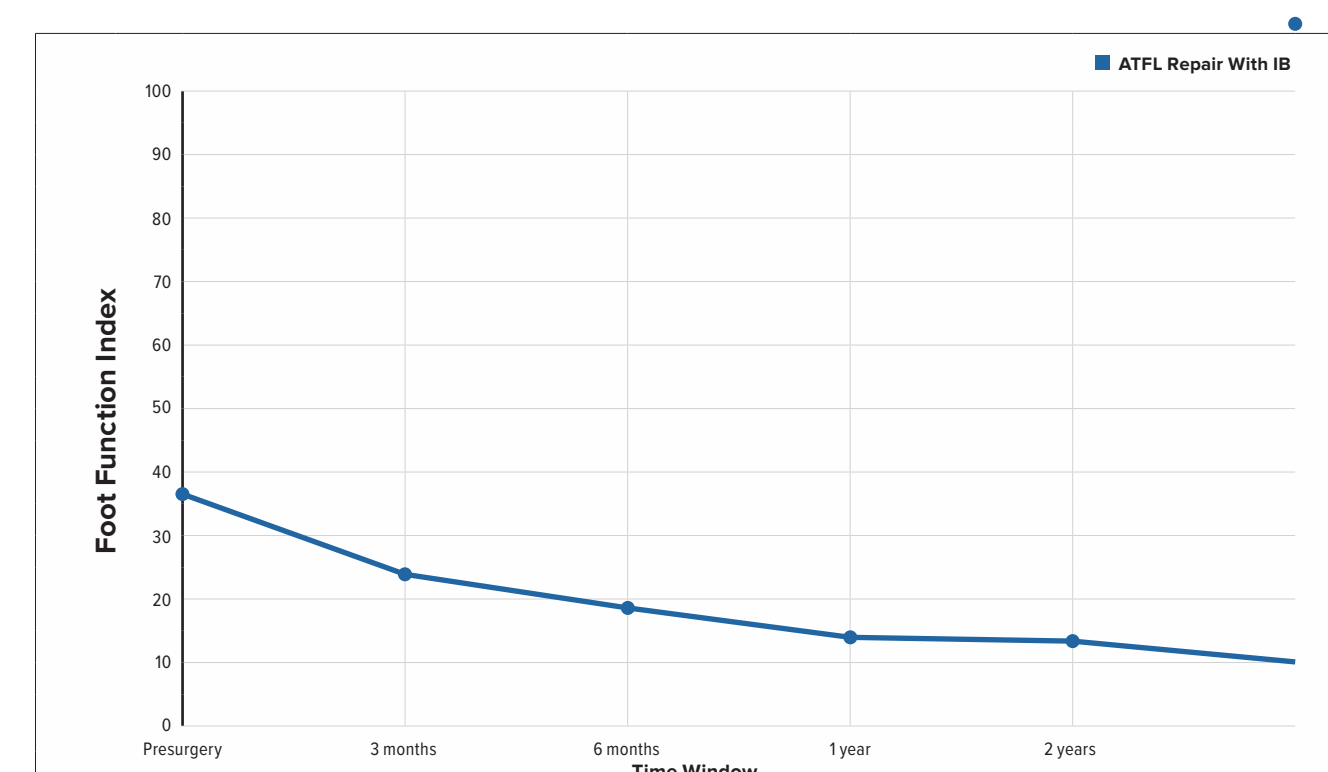
VAS

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



FAAM: Foot and Ankle Ability Measure

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



FFI

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