LESS THAN 10% FAILURE RATE IN PATIENTS WITH BUCKET-HANDLE MENISCAL TEAR REPAIR AFTER 4 YEARS FOLLOW-UP

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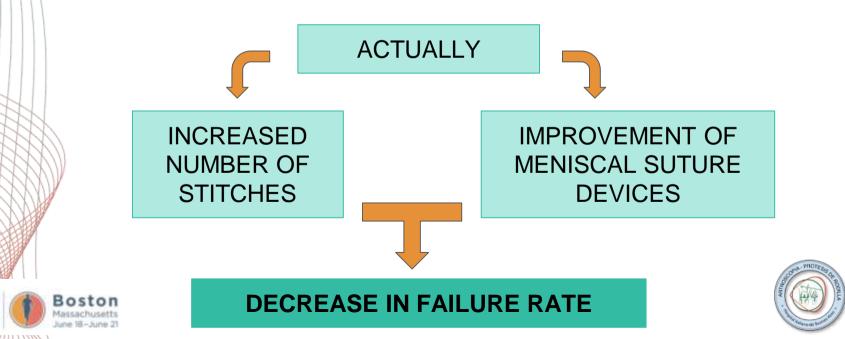


I have nothing to declare

INTRODUCTION

BUCKET HANDLE MENISCAL TEAR REPAIR

The failure rate reported in the literature following bucket-handle meniscus repair is approximately 15%.



INTRODUCTION

The objective of this study is to evaluate the failure rate of a group of patients from a single academic institution with bucket-handle meniscal injury who underwent arthroscopic repair.









METHODS

- Retrospective case series.
- Patients operated on for bucket-handle meniscal lesion repair between January 2016 and December 2022 were included.
- Demographic data; surgical data; and reoperation (failure) rate were analyzed.

Minimum follow-up of 18 months.



RESULTS

DEMOGRAPHIC AND SURGICAL DATA

Boston fassachusetts une 18-June 21

	Total: 52 patients
Male, n (%)	46 (88%)
Age (years), mean (<u>+</u> SD)	28 (<u>+</u> 9.5)
BMI, mean (<u>+</u> SD)	24 (<u>+</u> 3.8)
Follow-up, mean (<u>+</u> SD)	48,9 (<u>+</u> 16.5)

Associated to:	Total: 52 patients
ACL reconstruction, n (%)	11 (17%)
Contralateral meniscal tear, n (%)	3 (5%)
Articular cartilage injury, n (%)	6 (9%)



RESULTS

NUMBER OF SUTURES

		Total: 52 patients
	Total number of stitches, mean (<u>+</u> SD)	7.4 (<u>+</u> 3.3)
1	All-inside suture, mean (<u>+</u> SD)	2.2 (<u>+</u> 2)
6177	Inside-out suture, mean (<u>+</u> SD)	5.1 (<u>+</u> 2.5)

Boston Massachusetts June 18 – June 21

FAILURE RATE

	Total: 52 patients
Global failure rate, n (%)	5 (9.6%)
Associated with ACL reconstruction, n (%)	2 (18.2%)
Not associated with ACL reconstruction, n (%)	3 (7.3%)

DISCUSION

The most important result of our series was that the overall failure rate was 9.6% in patients operated on since 2016.

- The increase in the number of stitches and the improvement in surgical technique are possibly factors for the reduction in the failure rate.

- Larger series and more number of failures are needed to be able to determine the causes leading to failure.





THANK YOU



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