

+ Evidence in focus

FAST-FIX[®] Meniscal Repair Systems:

The only family of all-inside devices
with over 15 years of clinical evidence^{1,2}

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Smith+Nephew



FAST-FIX[◇] Meniscal Repair Systems deliver high treatment success rates¹

Results of a systematic literature review and meta-analysis^{1,2}



86%
 Mean success rate of all-inside FAST-FIX meniscal repair¹
 (34 studies, 1,694 repairs)

Unique heritage of clinical evidence¹⁻³



Restore healthy knee function with FAST-FIX Meniscal Repair Systems²

Lysholm Score

92.3
 Mean postoperative score²
 (11 studies, 380 patients)

94
 Mean score in healthy adults⁴



Tegner Activity Score

6.3
 Mean postoperative score²
 (7 studies, 164 patients)

5.7
 Mean score in healthy adults⁴



IKDC Score

86.6
 Mean postoperative score²
 (5 studies, 224 patients)

91.6
 Mean score in healthy adults⁵





FAST-FIX[®] Meniscal Repair Systems: a unique heritage of treatment success^{1,2}

Overview

Meta-analysis of **treatment success rate** following all-inside meniscal repair with FAST-FIX Meniscal Repair Systems in clinical studies:¹

- **34 studies** - **1,694 repairs**

Results

Combined success rate¹

All outcome measures



86%

Mean success rate

95% CI: 83-89%

A meta-analysis considering success as defined by clinical assessment of symptoms only identified a mean success rate of 86% (95% CI: 83-89%) in 18 studies.

Success rates¹

Outcomes used to determine treatment success in clinical studies included:

- Second look arthroscopy
- Reoperation rates
- MRI
- Clinical assessment of symptoms

Outcomes were pooled and analysed to determine overall success rates.

Meta-analyses made no allowance for follow-up duration.

How does our success compare?

A 2012 review identified a success rate of 77% at a mean 7.4 years postoperatively for meniscal repair with inside-out, outside-in and all-inside techniques.⁶





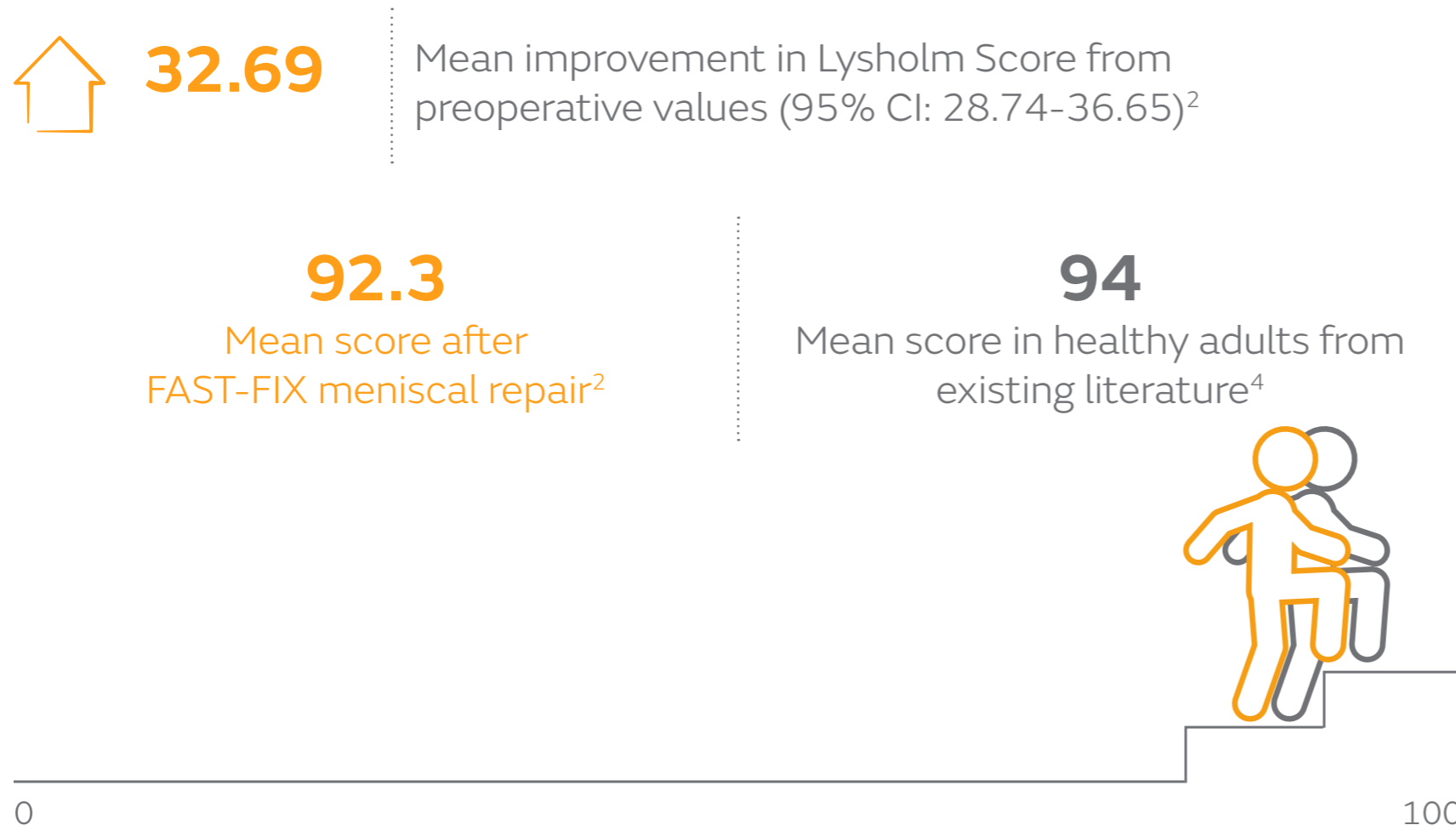
Only FAST-FIX[®] Meniscal Repair Systems are clinically proven to restore normal knee stability

Overview

Meta-analysis evaluating improvement in **Lysholm Score**⁷ following all-inside meniscal repair with FAST-FIX Meniscal Repair Systems in clinical studies:²

- **11 studies** - **380 patients**

Results



CI = confidence interval

Lysholm Score⁷

Outcome measure primarily assessing knee instability.

Knee function is rated in eight categories: limp, locking, pain, stair climbing, support, instability, swelling and squatting.

Final score from 0-100, with a higher score indicating better function.

Rating scale

95-100 = Excellent

84-94 = Good

65-83 = Fair

<65 = Poor





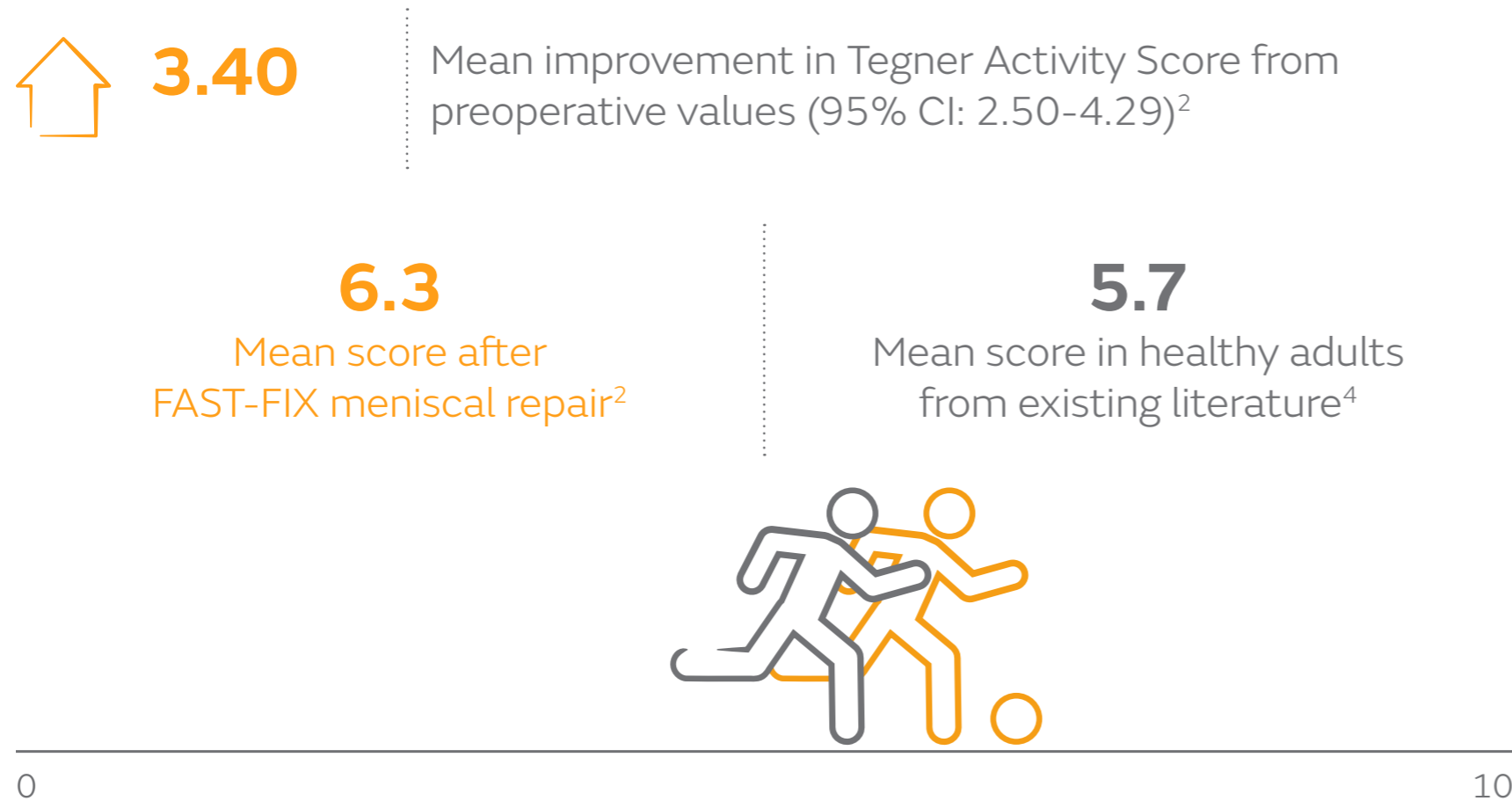
Only FAST-FIX[◇] Meniscal Repair Systems are clinically proven to restore normal levels of patient activity

Overview

Meta-analysis evaluating improvement in **Tegner Activity Score**⁷ following all-inside meniscal repair with FAST-FIX Meniscal Repair Systems in clinical studies:²

- **7 studies** - **164 patients**

Results



Tegner Activity Score⁷

Outcome measure assessing activities of daily living, recreation and sports.

Patient rates the highest level of activity they could do before and after their knee injury.

Final score from 0-10, with a higher score indicating a greater capacity for activity.






Only FAST-FIX[®] Meniscal Repair Systems are clinically proven to restore healthy knee function

Overview

Meta-analysis evaluating improvement in **IKDC Score**⁷ following all-inside meniscal repair with FAST-FIX Meniscal Repair Systems in clinical studies:²

- **5 studies** - **224 patients**

Results

 **30.76** Mean improvement in IKDC Score from preoperative values (95% CI: 22.02-39.51)²

86.6
Mean score after
FAST-FIX meniscal repair²

91.6
Mean score in healthy adults from
existing literature⁵



0

100

IKDC Score⁷

Outcome measure assessing knee-related changes in symptoms, function and sports activities.

Patient completes a questionnaire including: symptoms, sports and daily activities, and knee function.

Final score is scaled from 0-100, where 100 equates to unlimited symptom-free daily/sport activities.





Study design^{1,2}

Systematic literature review and meta-analysis to determine success rates and improvements in clinical outcomes related to all-inside meniscal repair with FAST-FIX[®] Meniscal Repair Systems.

Findings^{1,2}

A comprehensive literature search identified a total of 36 clinical studies with ≥10 adult patients for use in the meta-analysis. Studies reported on one or more of the following outcomes:



Success rate

34 studies

Mean success rate: 86%



Lysholm Score

11 studies

Mean postoperative score: 92.3



Tegner Activity Score

7 studies

Mean postoperative score: 6.3



IKDC Score

5 studies

Mean postoperative score: 86.6

A unique heritage

A separate systematic literature review evaluating competitor devices only identified 3 relevant clinical studies.³

Competitor devices assessed:

- AIR All-Inside Repair (Stryker, MI, USA)
- Truespan[™] Meniscal Repair System (DePuy Synthes, IN, USA)
- Meniscal Cinch[™] and Meniscal Cinch[™] II (Arthrex, FL, USA)
- MaxFire MarXmen Meniscal Repair Device and JuggerStitch[™] Meniscal Repair Device (Zimmer Biomet, IN, USA).

Results are reported from a random effects model. Meta-analyses did not account for duration of follow-up. Analyses for clinical outcomes used estimated standard deviations for studies where no standard deviation was provided, using the method described by Weir, et al.⁸





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