



MENISCUS CLINICAL SNAPSHOT: KEY FINDINGS FROM RECENT LITERATURE

Meniscal Allograft Transplantation Maintains Function and Activity Beyond 10 Years With Moderate Graft Failure: A Systematic Review and Meta-analysis

J ISAKOS. 2026 May

Yu V, Meglino N, Cohen D, Vivekanantha P, Vargas L, Morgan V, Bouchard MD, de Sa D, Lesniak BP, Musahl V

- This systematic review evaluated the long-term outcomes of meniscal allograft transplantation.
- A total of 20 studies comprising 1,096 patients were included, with a mean follow-up of 151.6 months.
- At long-term follow-up, the overall allograft failure rate was 31%, while patients demonstrated sustained improvements in pain, function, and activity levels.

JRF ORTHO TAKEAWAY:

Meniscal allograft transplantation continues to demonstrate durable clinical benefits at long-term follow-up, reinforcing its role as an important joint-preserving treatment for meniscus-deficient patients. JRF Ortho remains committed to providing high-quality fresh-frozen meniscal allografts to support surgeons in restoring knee function and delaying the progression of degenerative joint disease.

Characterizing the Rate of Conversion to Total Knee Arthroplasty After Meniscal Allograft Transplantation

The American Journal of Sports Medicine. 2026

Lin EH, Feingold CL, Ezuma CO, Young BA, Stone AV, Liu JN

- The goal of this review was to characterize the rate of conversion to total knee arthroplasty (TKA) following meniscal allograft transplantation (MAT).
- A total of 4,289 patients were included, with a mean follow-up of 6.9 years.
- The mean conversion to TKA was 3.72% at <5 years, 7.69% between 5 and 10 years, and 12.82% beyond 10 years.

JRF ORTHO TAKEAWAY:

This systematic review demonstrates that meniscal allograft transplantation is an effective joint preservation procedure, with relatively low rates of conversion to TKA across short-, mid-, and long-term follow-up. These findings support the role of MAT in appropriately selected patients to delay the progression to end-stage arthritis and knee replacement.

Meniscal Allograft Transplantation and Scaffolds: A Narrative Review

Ann Jt. 2026 Apr

Araujo-Espinoza G, Richman EH, Higashi E, Hop JC, Frank RM

- This narrative review provides a comprehensive overview of the current treatment options for meniscal pathology.
- The article outlines the indications for each treatment strategy and provides detailed information on meniscal allograft preparation, surgical techniques, clinical outcomes, and considerations when performing concomitant procedures.

JRF ORTHO TAKEAWAY:

JRF Ortho remains committed to providing both fresh and frozen meniscal allografts to meet individual surgeon preferences. This review serves as a valuable resource by summarizing current indications, surgical techniques, and clinical considerations, helping surgeons make informed decisions when selecting meniscal allograft transplantation for their patients.