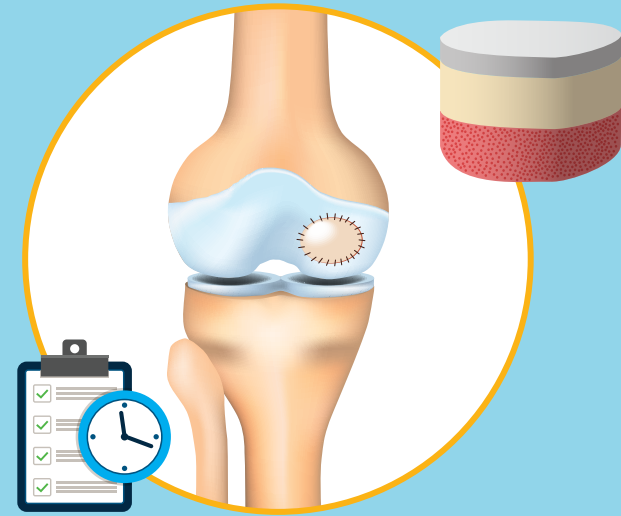


# Long-term Bulk Osteochondral Allograft Survival in the Knee

Bulk fresh osteochondral allografts (FOCAs) are frequently used to treat symptomatic osteochondral defects of the knee in young patients



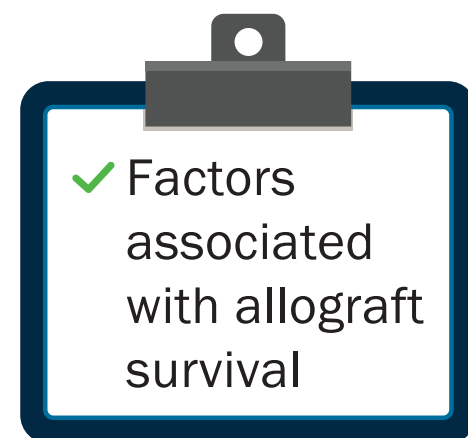
This study investigated the long-term outcomes of bulk FOCAs in the knee



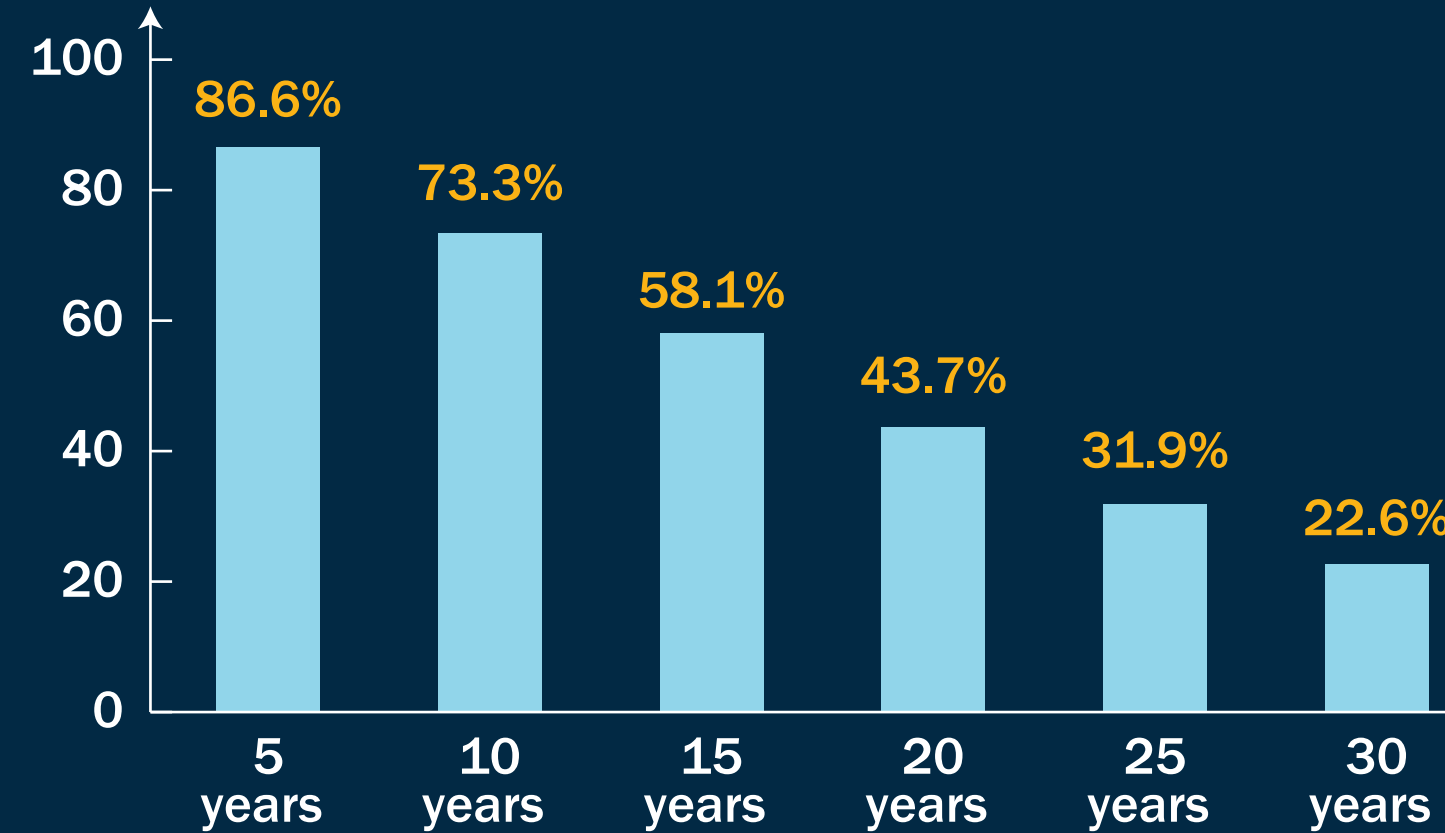
Patients with bulk FOCA (N = 244)

Review of institutional database (1972-2018)

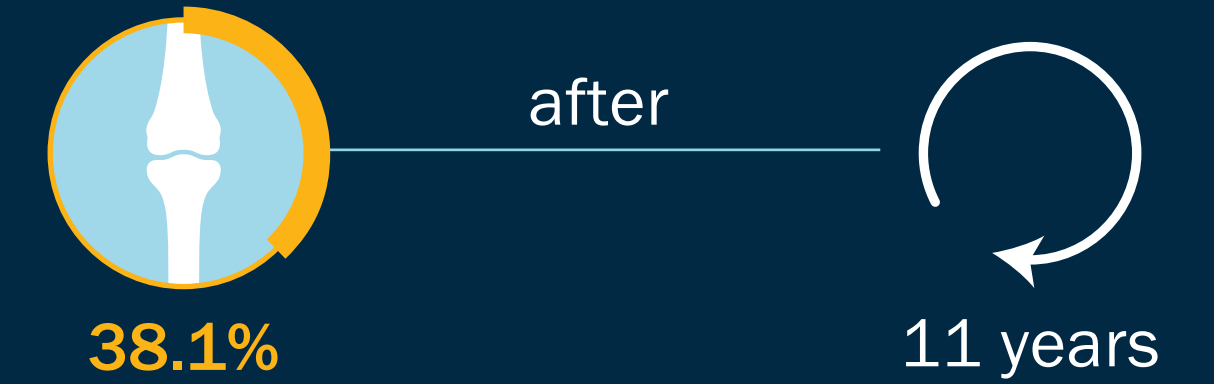
Follow-up (1-29.8 years)



## Survivorship after bulk FOCA



## Graft failure



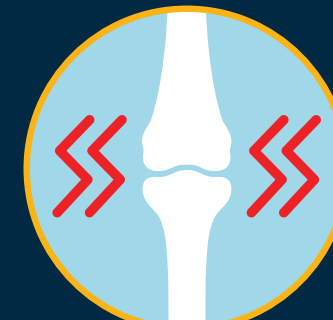
## Factors negatively associated with graft survival

- Graft location  
Medial-sided  
Multiple grafts
- Increased age

## Common complications



Pain (14.8%)



Malalignment (13.9%)



Stiffness (5.8%)

## 10-year graft survival rate



Age <50 years



Age >60 years

**Bulk FOCAs had good long-term survival in patients below 50 years of age**

Outcomes of Bulk Fresh Osteochondral Allografts for Cartilage Restoration in the Knee

Daud et al. (2021) | DOI: 10.2106/JBJS.20.00350

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