

ACL Repair: failed graft integration

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What is it?

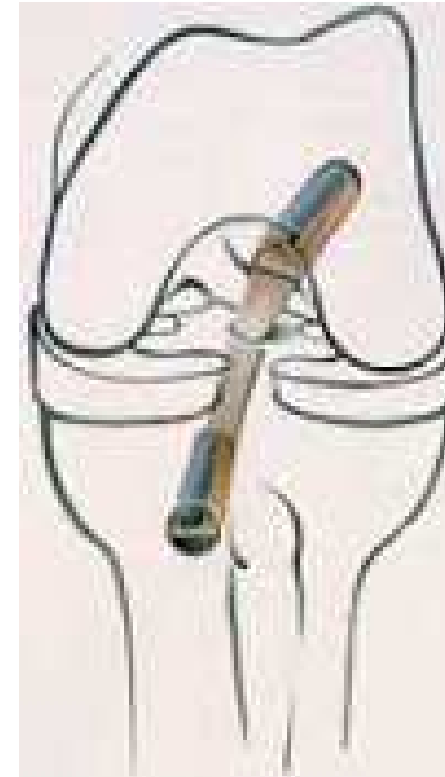
The anterior cruciate ligament (ACL) is surgically repaired following rupture using an autologous tendon graft. i) Graft integration is slow (>1 year full healing) and ii) Revisions are frequent (20%)

How do you propose to tackle this?

Delivery of MSCs into the bony tunnel at surgery to promote graft integration

Difficult Challenges

- i) Stable delivery of MSCs into the bone tunnels
- ii) Viability of MSCs following delivery



Surgical reconstruction of the ACL