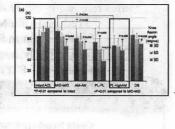
Risk of Graft Re-Rupture Non-Anatomic ACL Reconstruction:

Non-anatomic ACL reconstruction results in graft forces lower than Exposes other joint structures to increased

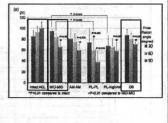




Risk of Graft Re-Rupture

- Anatomic ACL Reconstruction: Anatomic ACL
- reconstruction results in graft forces that are closer to normal ACL
- Exposes anatomically placed graft to increased risk of injury





Return to Sports Criteria

Consider:

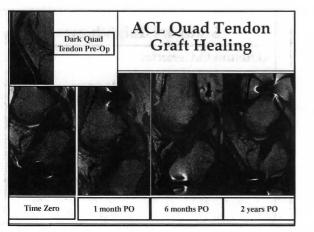
- Time/graft healing
 - Knee function:
 - ROM
 - Laxity Strength
- **Functional tests**

Graft Healing

Phases:

- Synovial envelopment of graft & avascular necrosis
- · Revascularization, cellular proliferation & collagen formation
- Normal vascular pattern, remodeling & maturation of graft

Time Frame Not Well Known & Likely Variable Between **Individuals**



Return of Muscle Function

Preliminary Data:

 Isometric strength test with knee at 60 degrees of flexion



	6 Months	12 Months
Quad Index	66.5%	82.8%
Hamstring Index	90.7%	101.1%