

Soft-tissue Quadriceps Autograft ACL-reconstruction in the Skeletally-immature vs. Hamstrings

NCT03896464

Status	RECRUITING
Phase	Not Applicable
Sponsor	McMaster University
Enrollment	352 participants

Key Eligibility Criteria

Inclusion (7)

- Patients aged 10-18 years.
 - History, physical exam, and magnetic resonance imaging (MRI) or arthroscopic image confirmation of ACL insufficiency.
 - Suitable for anatomic, single-bundle arthroscopic-assisted ACL reconstruction.
 - X-ray or MRI evidence of skeletal immaturity (i.e., open physes) based on imaging that is closest to the time of injury (and correlated with standard bone age left hand posteroanterior (PA) radiographs).
 - Patient involved in sport (competitive and/or recreational level) prior to injury.
- ... and 2 more (see full listing online)

Exclusion (12)

- Evidence (i.e. radiographic and/or arthroscopic) of International Cartilage Repair Society (ICRS) Cartilage Lesion Classification System Grade 2 (i.e., lesions extending down to 50% of the cartilage depth) and higher osteoarthritis that is symptomatic, requiring treatment other than debridement or microfracture.
 - Tibial eminence/spine fractures treated surgically.
 - Concomitant collateral, posterior cruciate, and/or cartilage pathology requiring surgical reconstruction and/or advanced restoration techniques (i.e., osteochondral allograft or autograft transfer, matrix-induced autologous chondrocyte implantation, particulate juvenile articular cartilage allograft transplantation).
 - Previous ACL reconstruction in the affected knee or contralateral knee.
 - Previous distal femur and/or proximal tibial/fibular physeal injury in the affected knee or contralateral knee.
- ... and 7 more (see full listing online)

Locations (6 total)

McMaster University, Hamilton, Ontario, Canada
Children's Hospital of Eastern Ontario, Ottawa, Ontario, Canada
Women's College Hospital/Research Institute, Toronto, Ontario, Canada
... and 3 more locations

<https://clinicaltrials.gov/study/NCT03896464>

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