

## **Application of Amniotic Matrix to Quad Tendon Harvest Site During ACL Reconstruction**

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Quadriceps tendon autograft is increasingly favored in anterior cruciate ligament (ACL) reconstruction due to its robust mechanical properties and reduced donor site morbidity. However, harvest site complications such as rectus femoris retraction, persistent quadriceps atrophy, and delayed recovery remain concerns. This surgical video demonstrates the application of an amniotic membrane allograft to the quadriceps tendon harvest site as a biologic adjunct to promote tendon healing, reduce inflammation, and enhance neuromuscular recovery. We present a case of a 23-year-old male athlete undergoing ACL reconstruction with quadriceps tendon autograft and amnion augmentation. Key steps of graft harvest, membrane application, and post-operative rehabilitation are illustrated. The use of amniotic tissue is discussed in the context of recent evidence supporting its regenerative potential and its role in optimizing functional outcomes following ACL reconstruction.