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Morphology of gracilis muscle and the topographic anatomy of its neurovascular pedicles

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ABSTRACT

Gracilis

is often utilized as a graft in the procedures of reconstruction and functioning muscle transfer.¹ It is excellent for the closure of recto-vaginal and rectourethral fistulas. The distal pedicle is used during the total

knee arthroplasty as a soft tissue graft.^{2,3} It also has wider application in the management of wounds of the groin, contractures, scars,

reanimation of the face,^{4,5} reconstruction of the mammary gland,⁶ and anterior cruciate ligament reconstruction.⁷ Additional

harvesting of the gracilis has proven to offer better post-operative functional activity like in hamstring injury.⁸ The

main vascular pedicle of gracilis is from the medial and lateral circumflex femoral arteries, which branch from the deep femoral artery, which enters the gracilis at the junction of its upper and middle third. Distal part of the gracilis is supplied by the femoral artery⁹.

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ATTACHMENTS

[Gracilis - Protocol.docx](#)

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- 1 **Morphology of gracilis muscle and the topographic anatomy of its neurovascular pedicles**