

# ENDOSCOPIC HAMSTRING TENDON HARVESTING

## VALIDATION OF A NEW SURGICAL TECHNIQUE

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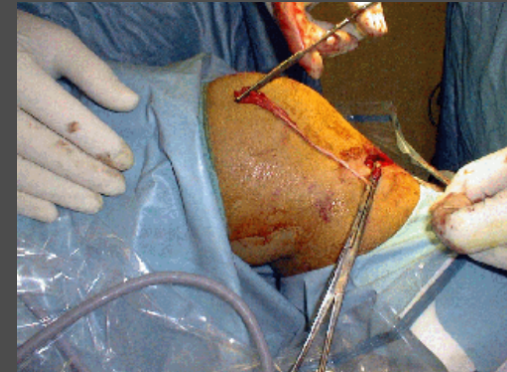
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# Hamstring Tendon Harvesting Complications

- Tendon amputation
- Tendon mutilation
- Hemorrhage
- Saphenous nerve injury
- Time consuming



## Most complications occur due to:

- inadequate visualization
- blind tendon harvesting



# Purpose of the Paper

To describe a new endoscopic-assisted  
hamstring tendon harvesting technique

# Surgical Technique

- Hamstring attachment isolated
- 70o scope and Datascope
- Division of attachments under direct visualization
- Tendon harvesting using a closed stripper



Closed end stripper



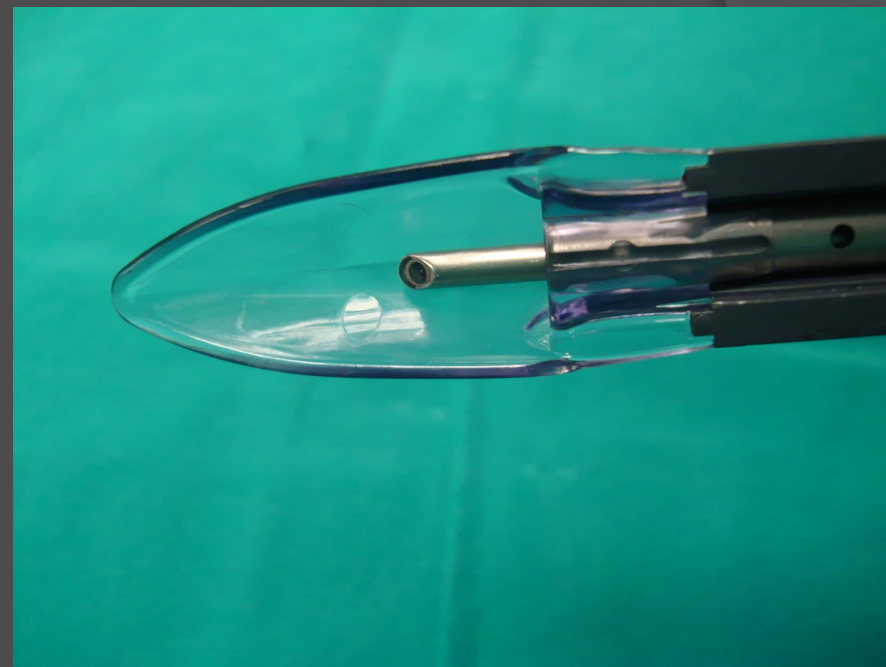
# Surgical Technique



# Surgical Technique



# Clear Glide Retractor - Datascope





## Clear Glide Retractor - Datascope



## Clear Glide Retractor - Datascope





## Clear Glide Retractor - Datascope



# Surgical Technique



# Surgical Technique - Tendon Dissection



# Surgical Technique - Tendon Dissection



## Surgical Technique - Tendon Harvesting





# Materials and Methods

- 37 patients
- successful harvesting in all cases
- 8 cases: all 3 tendon harvested
- harvesting time (>10<sup>th</sup> case)  $14.83 \pm 6.89$  minutes
- no complications
- length of incision 2.8-3.4 cm

# Conclusion

With the described technique  
easy and non-frustrating  
hamstring tendon harvesting is feasible.