

Étude anatomique des rapports Nerf Infrapatellaire - Ligament Patellaire

*Application au prélèvement du greffon
Os-Ligament patellaire-Os*

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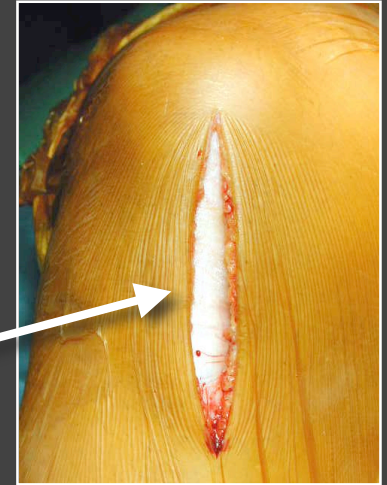
*** C.H.U. Besançon*



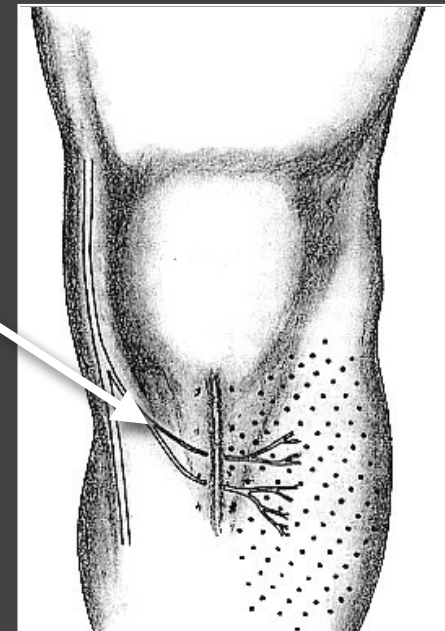
Prélèvement du greffon Os-Ligament patellaire-Os

Morbidité du site donneur :

Rançon cicatricielle



Lésion du nerf
infra-patellaire



Difficultés à
s'agenouiller

Cadaverous Study

- 38 Fresh Frozen Cadaver Knees
- Harvesting Consecutive Series
- Bone-Patellar Tendon-Bone Procurement Analysed:
 - Harvesting procedure last
 - Incision size - Graft size
 - Infrapatellar nerve injuries
 - Paratenon injuries
 - Harvesting problems

Results

- **Dissection:**

- **Infra Patellar Branches**

- > **Number: 0 → 2 Cases**

- 1 → 10 Cases

- 2 → 11 Cases

- 3 → 4 Cases

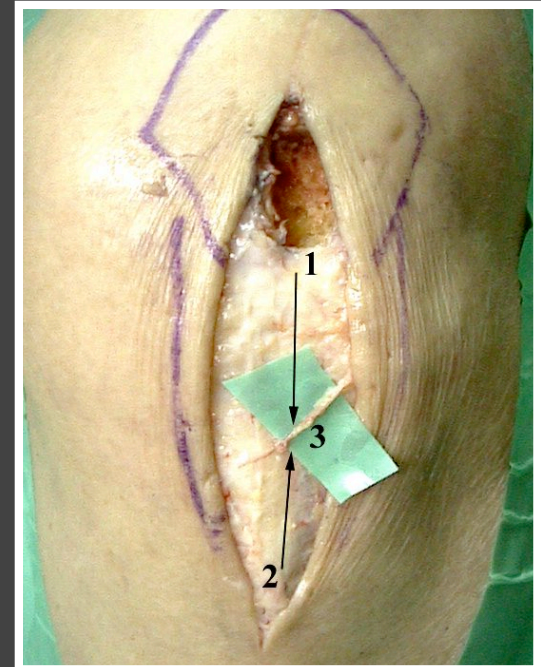
- > **Mean Distance**

- Patella₍₁₎ - Superior Branche₍₃₎**

- 15.2 mm (0-45)

- Inferior Branche₍₃₎ - TTA₍₂₎**

- 8.8mm (0-45)



Results

- Dissection:

- Infra Patellar Branche Section

- > 7/44 Branches

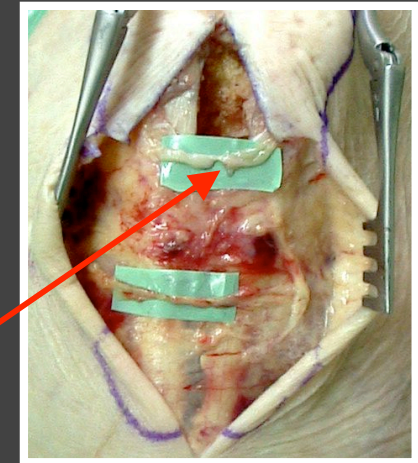
- Paratenon Injuries

- > 4/27 Harvesting procedures

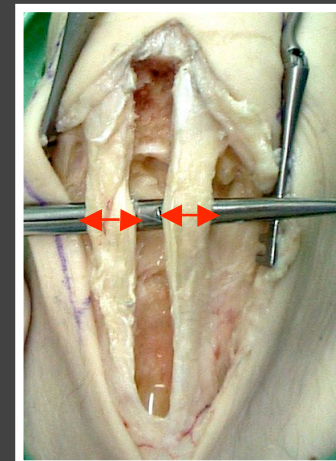
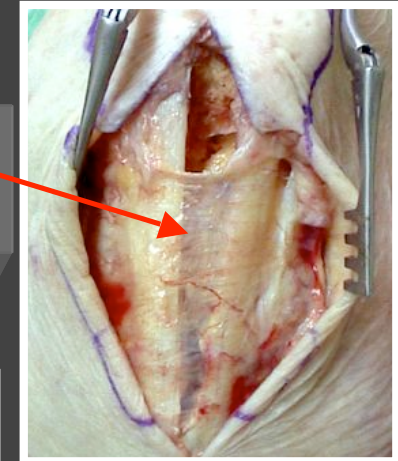
- Harvesting Procedure
Centring

- > Medial : 11.2 mm (3-14)

- > Lateral : 10.2 mm(7-20)



Intact
Paratenon

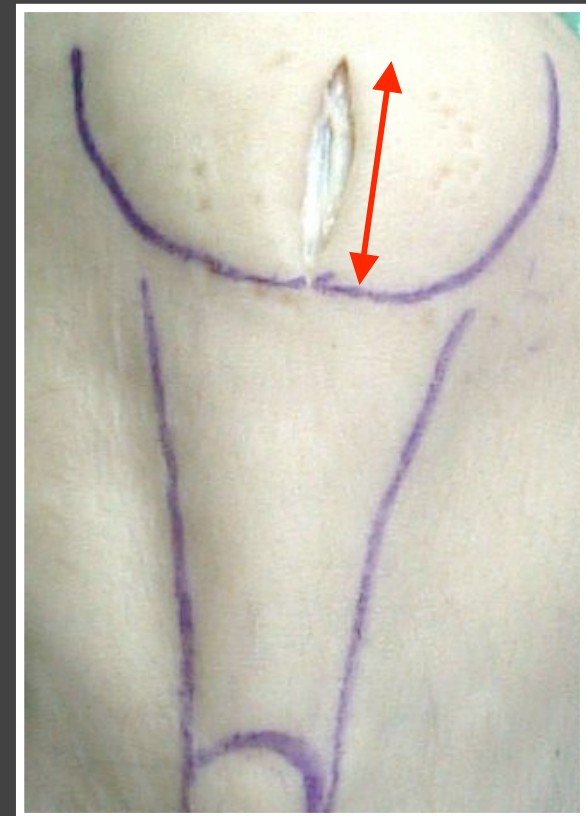


Essai Pré clinique

- **Série Continue**
- **27 Prélèvements**
 - **Données cadavériques**
 - » 14 Cadavres frais
 - » 6 Hommes - 8 Femmes
 - » Age Moyen : 78 ans (62-94)
 - » Délai : 6 Jours (0-13)

Résultats

- **Durée**
 - 15 min. (9-22)
- **Incision**
 - 29,6 mm (24-33)

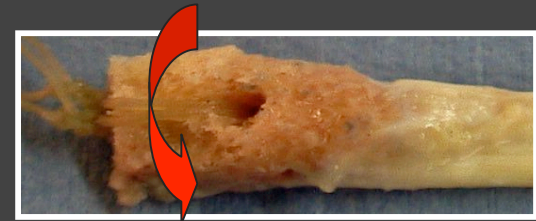


Résultats

- Dimensions du greffon

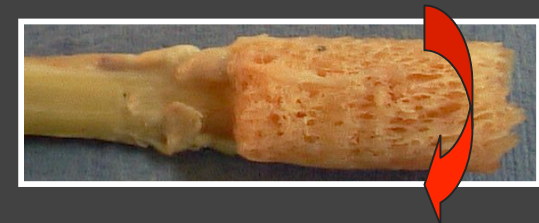
- Baguette patellaire

>Calibre : 10 mm



- Baguette

tibiale >Calibre : 10,4 mm



- Ligament

patellaire >Longueur : 42,4 mm

>largeur : 9,5 mm



Résultats

- Prolongation incision
 - Rameaux infra patellaires

> Nb: 0 → 2 / 1 10 →

2 → 11 / 3 4 →

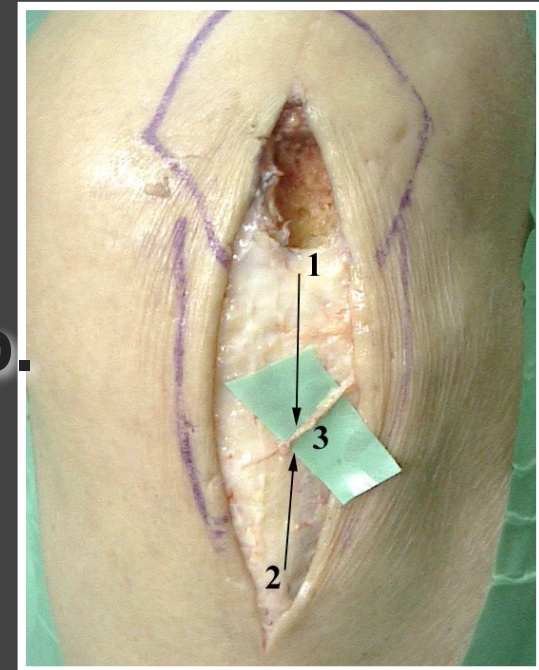
> Distances:

Pointe - Rameau sup.

15,2 mm (0-45)

Rameau inf. - TT

8,8mm (0-45)



Résultats

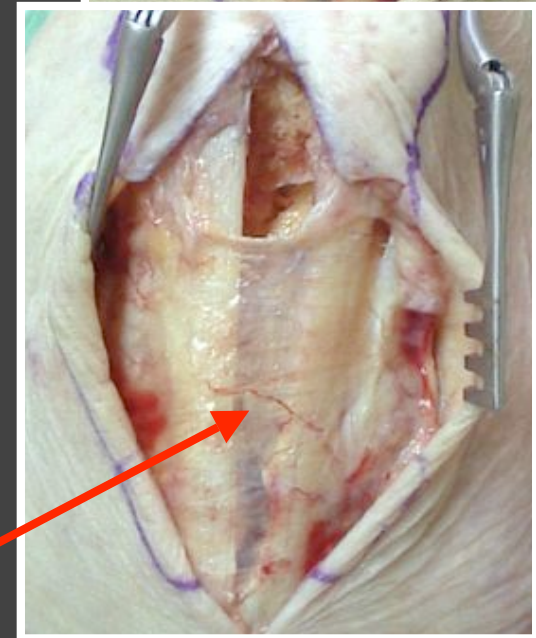
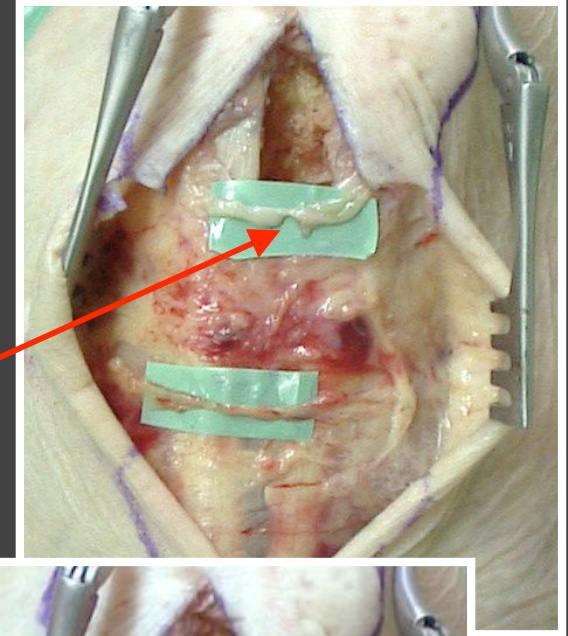
- Prolongation incision
- Lésions nerveuses

> 7 / 44

- Lésion péritendon

> 4 / 27

Pérítendon
intact



Résultats

- Largeurs TR restant

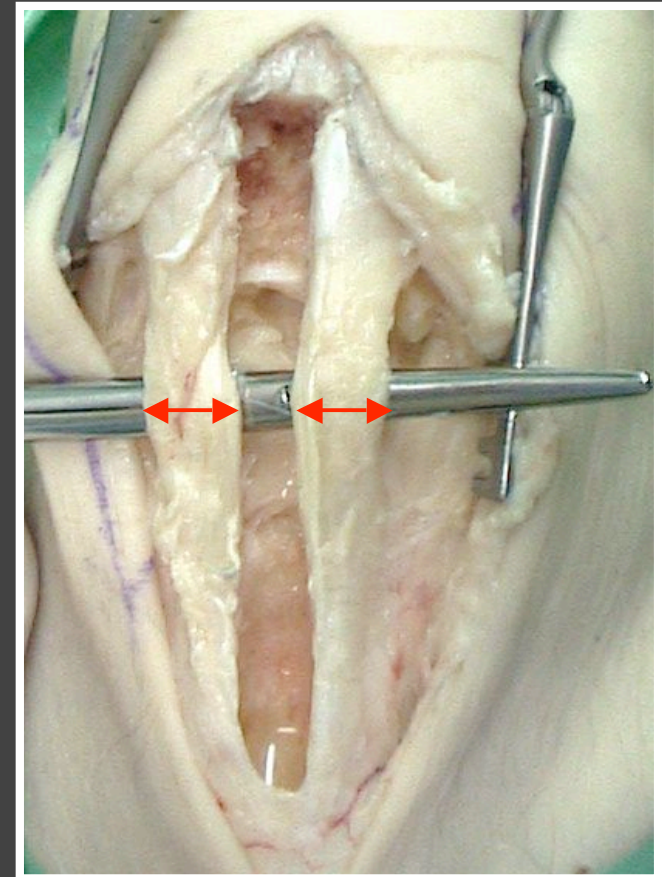
- Médiale

- > 11,2 mm(3-14)

- Latérale

- > 10,2 mm(7-20)

- Complications



Complications

- **Défaut de Centrage**
 - 1 cas
- **Rupture traction**
 - 3 cas

