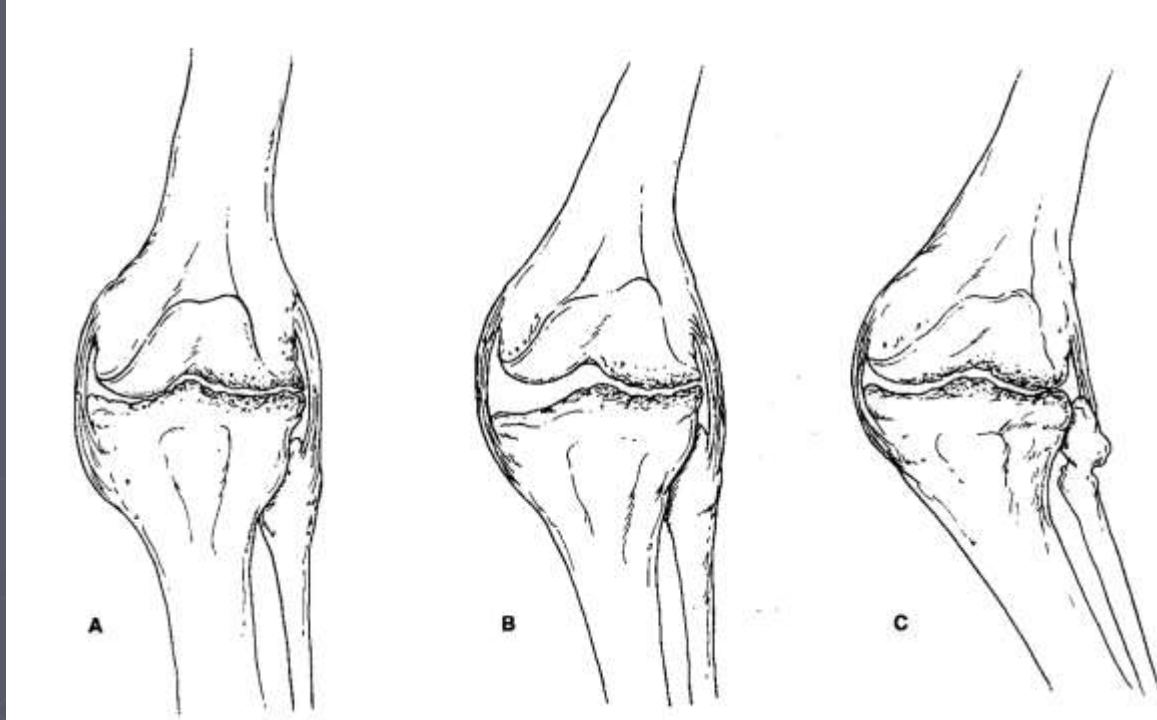


ТЭКС: хиружические техники при вальгусе

И. СОЛЛОГУБ
НЕВЕР - ФРАНЦИЯ

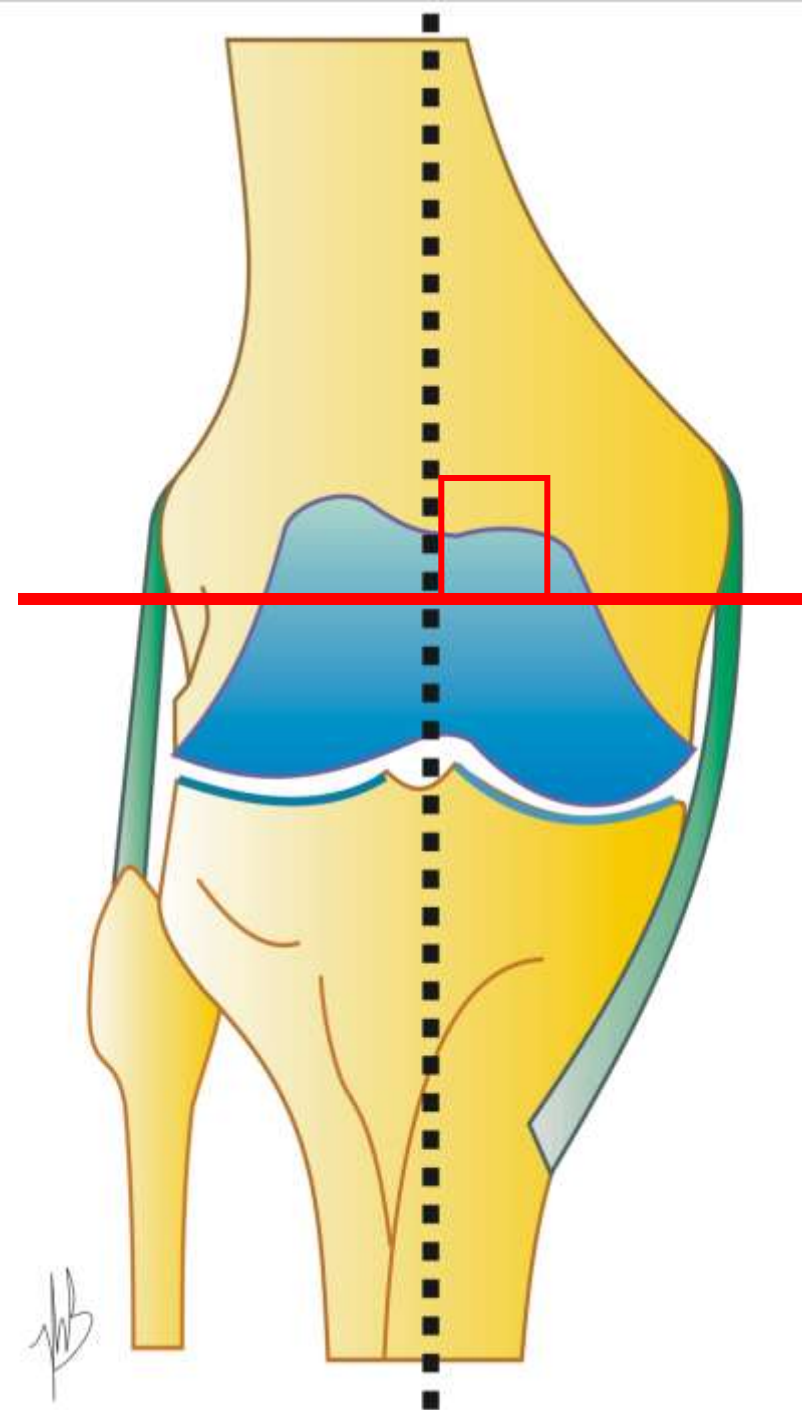


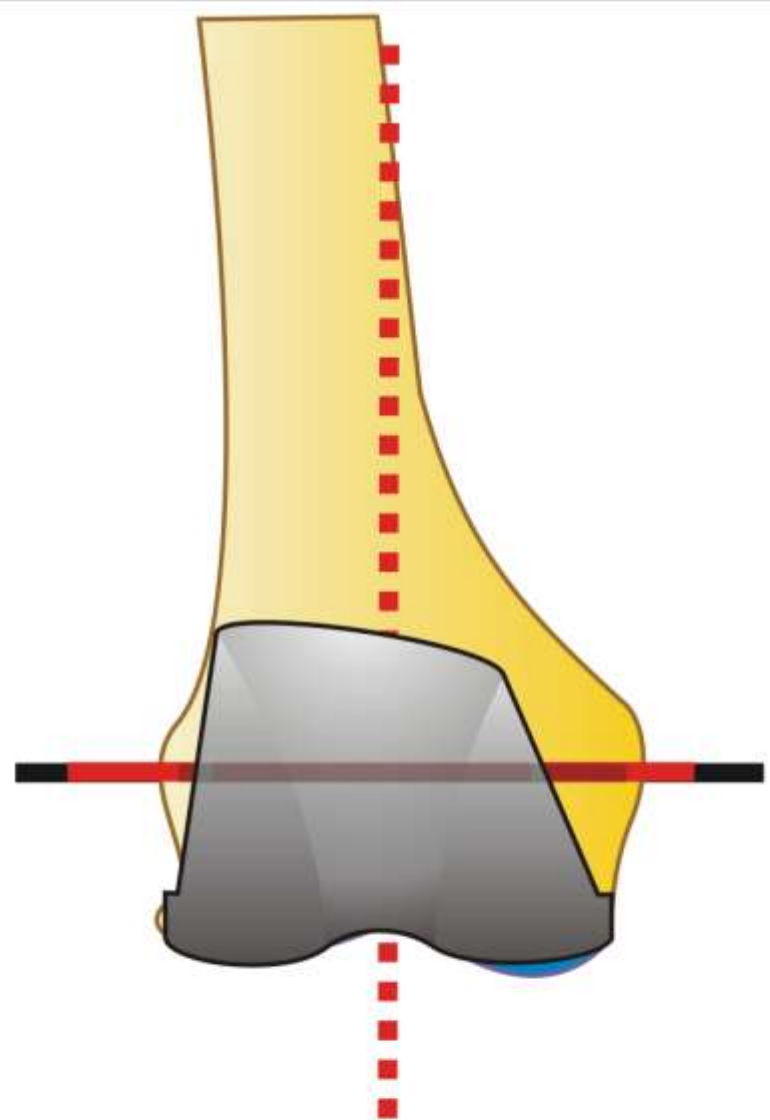
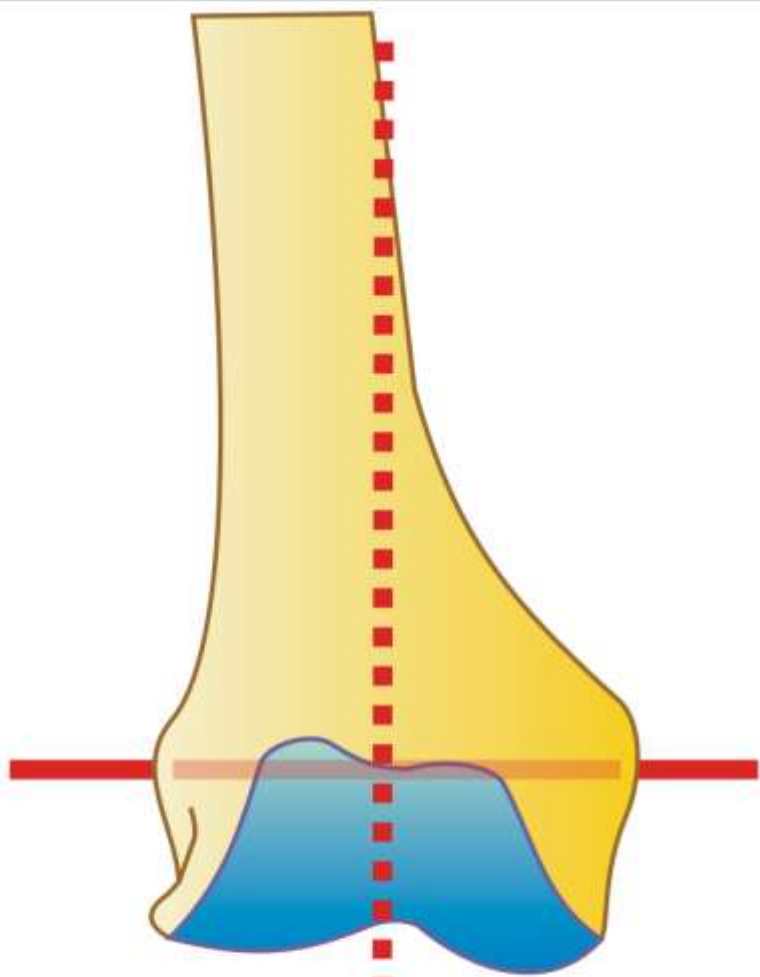
Вальгусная деформация колена может быть вызвана:

- изнашиванием наружной части
- конституциональной деформацией бедра

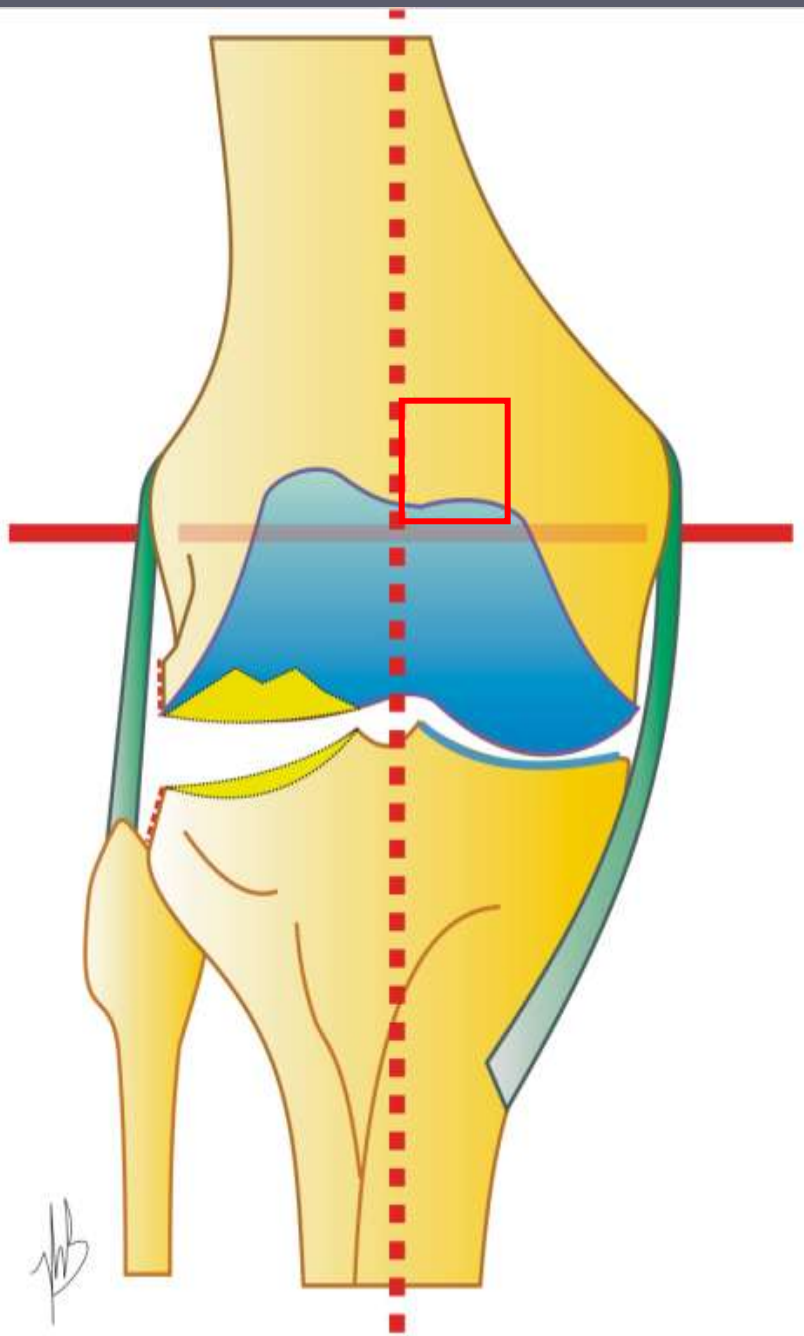
Нормальное колено

Ось сгибания -
разгибания
перпендикулярна
механической оси
бедра



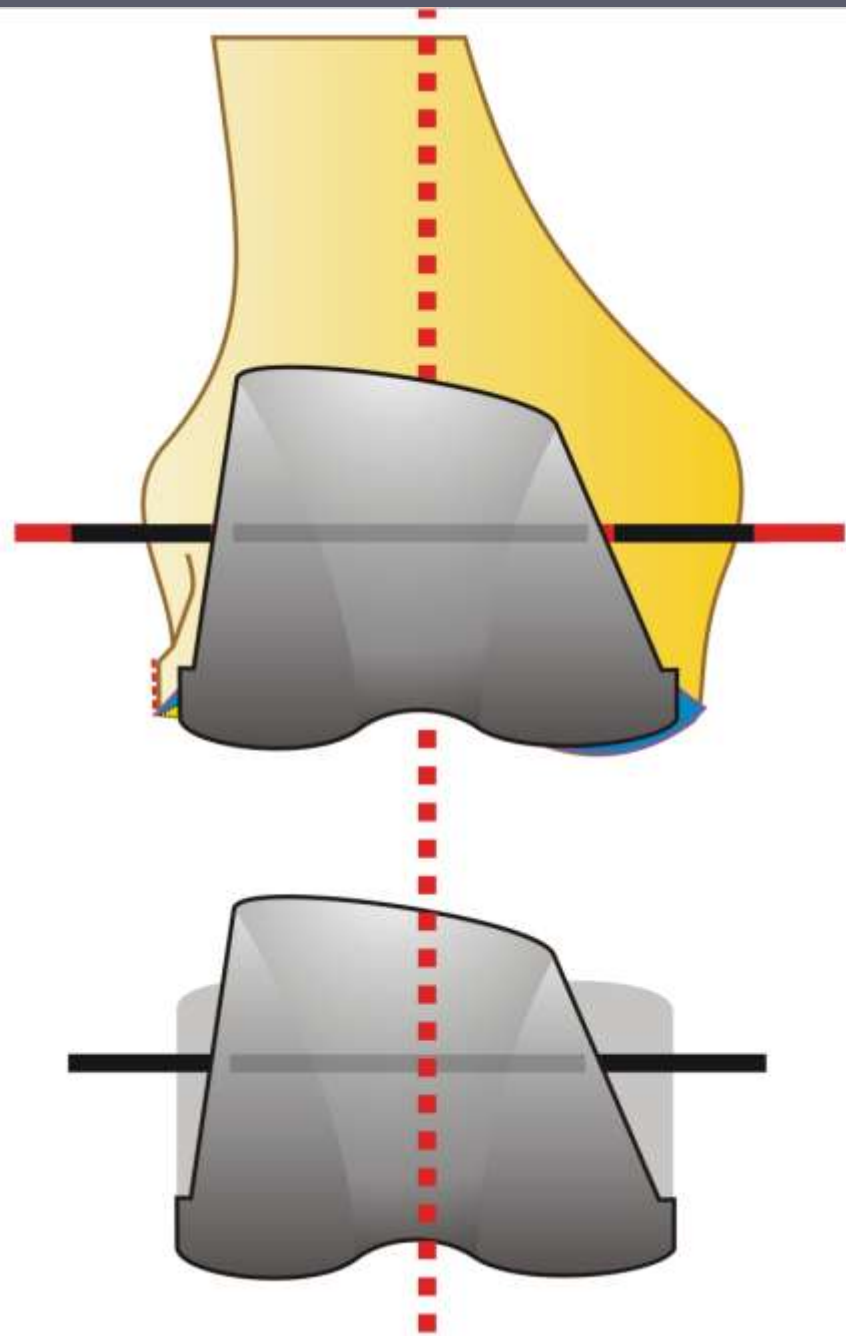
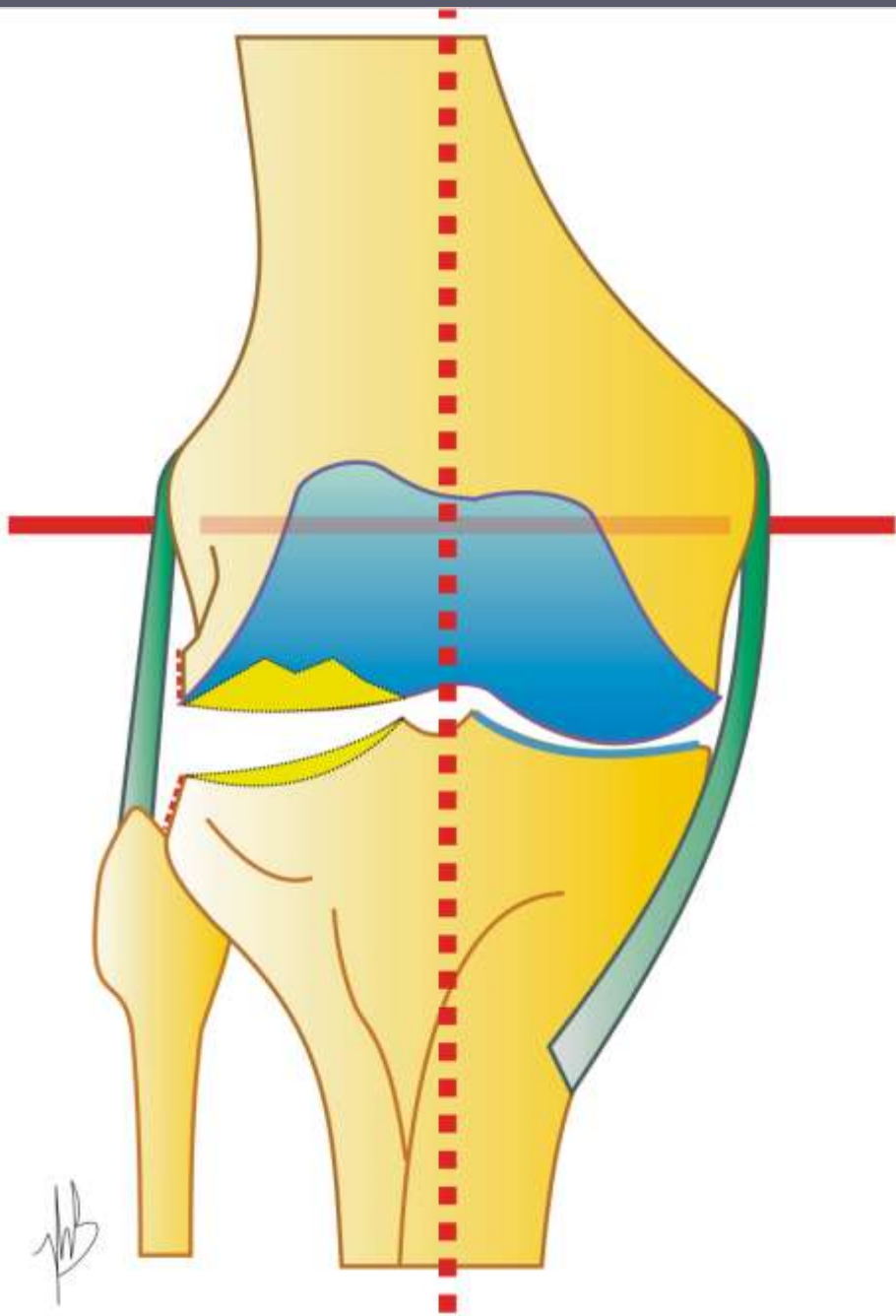


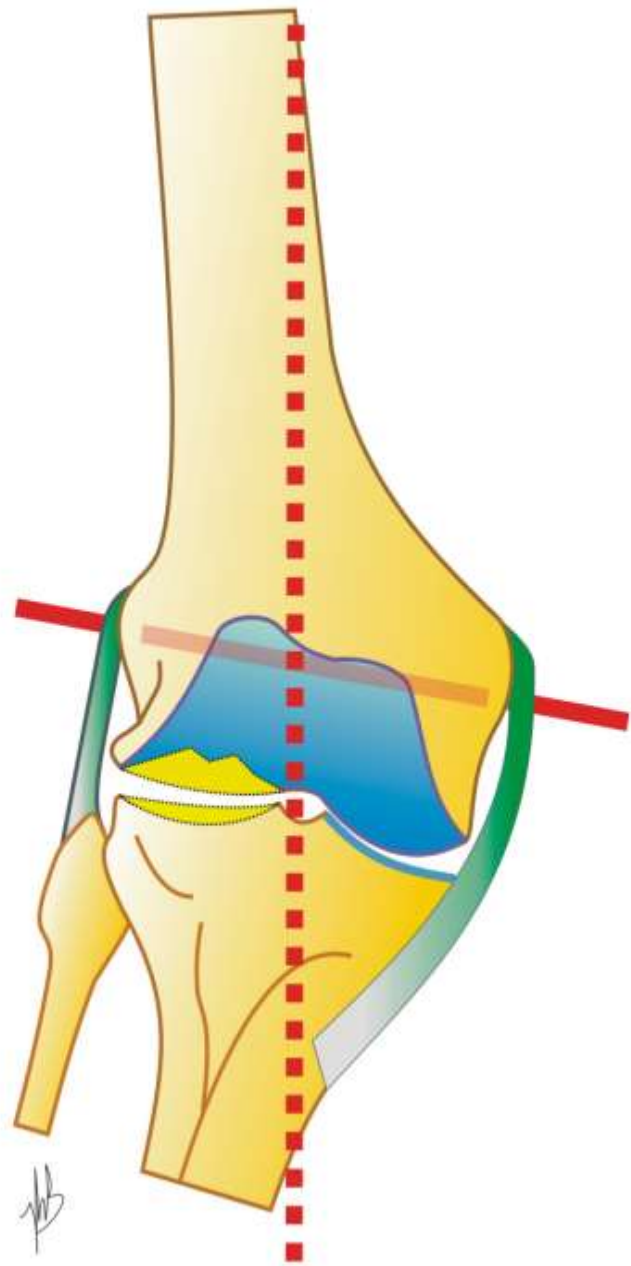
Handwritten signature or initials.



Когда valgus
связан с
изнашиванием:

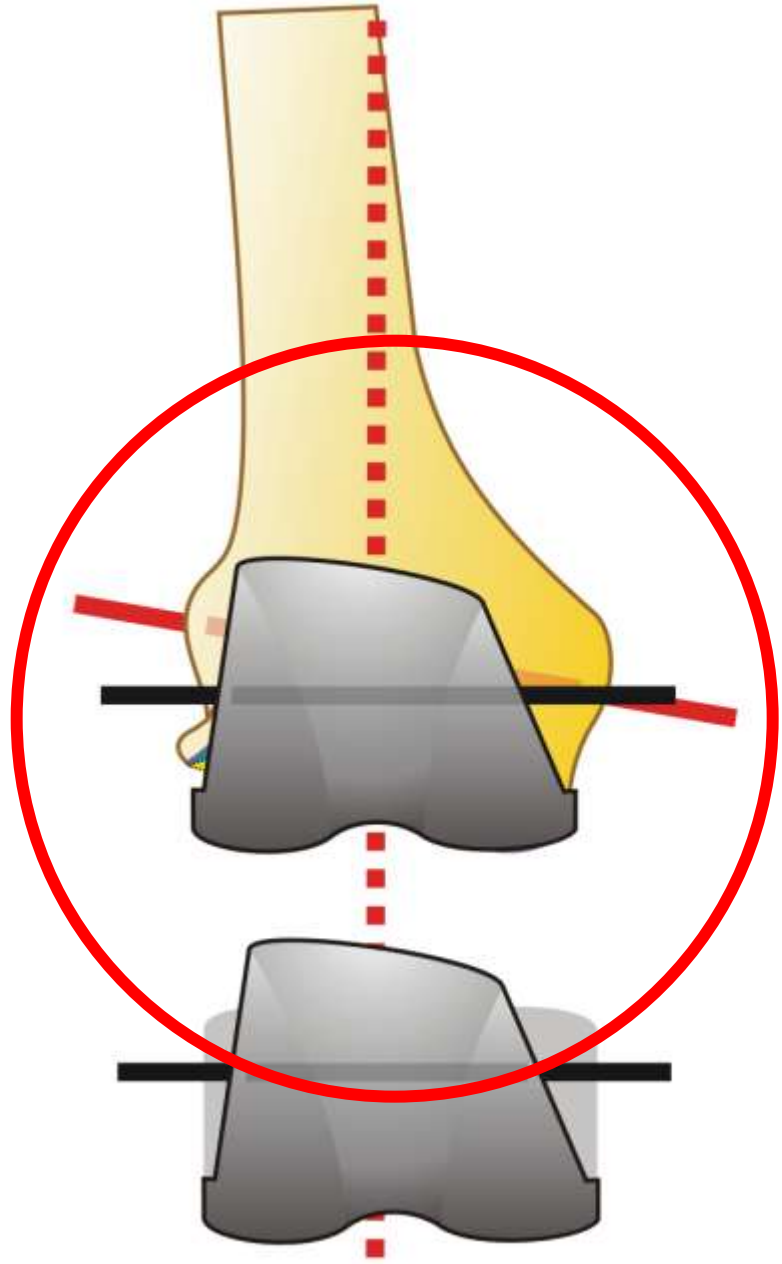
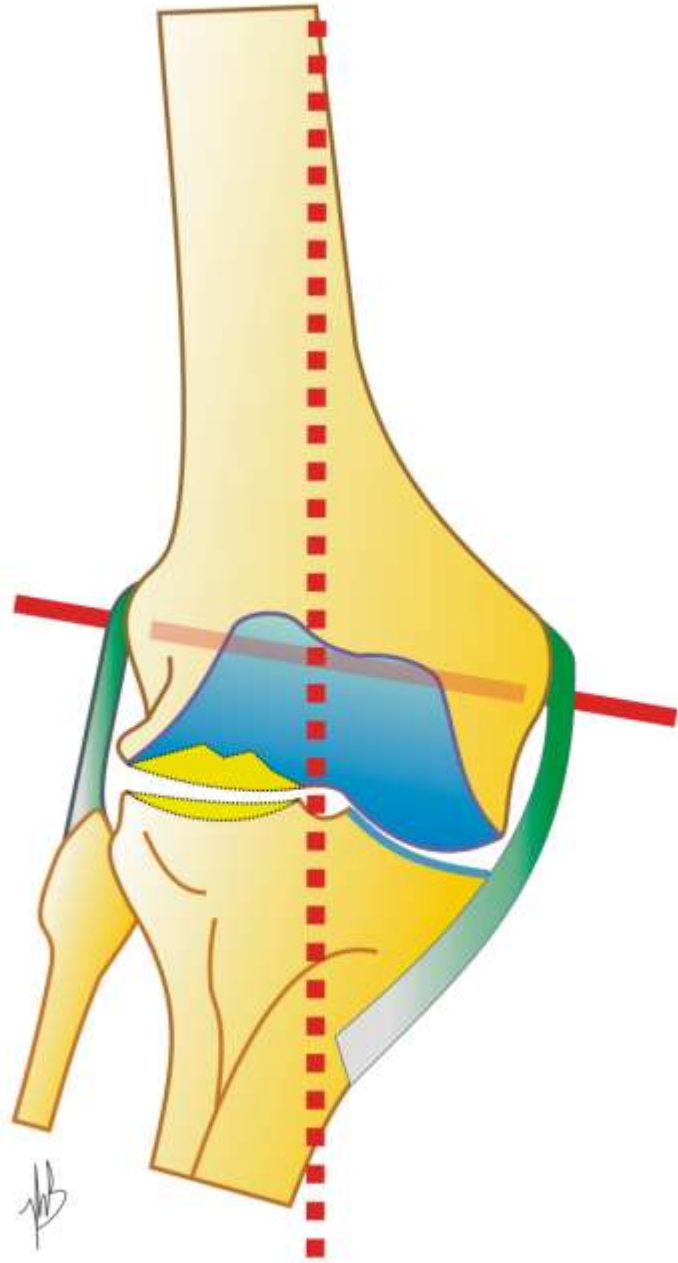
- Деформация исправима
- Форма бедра нормальная

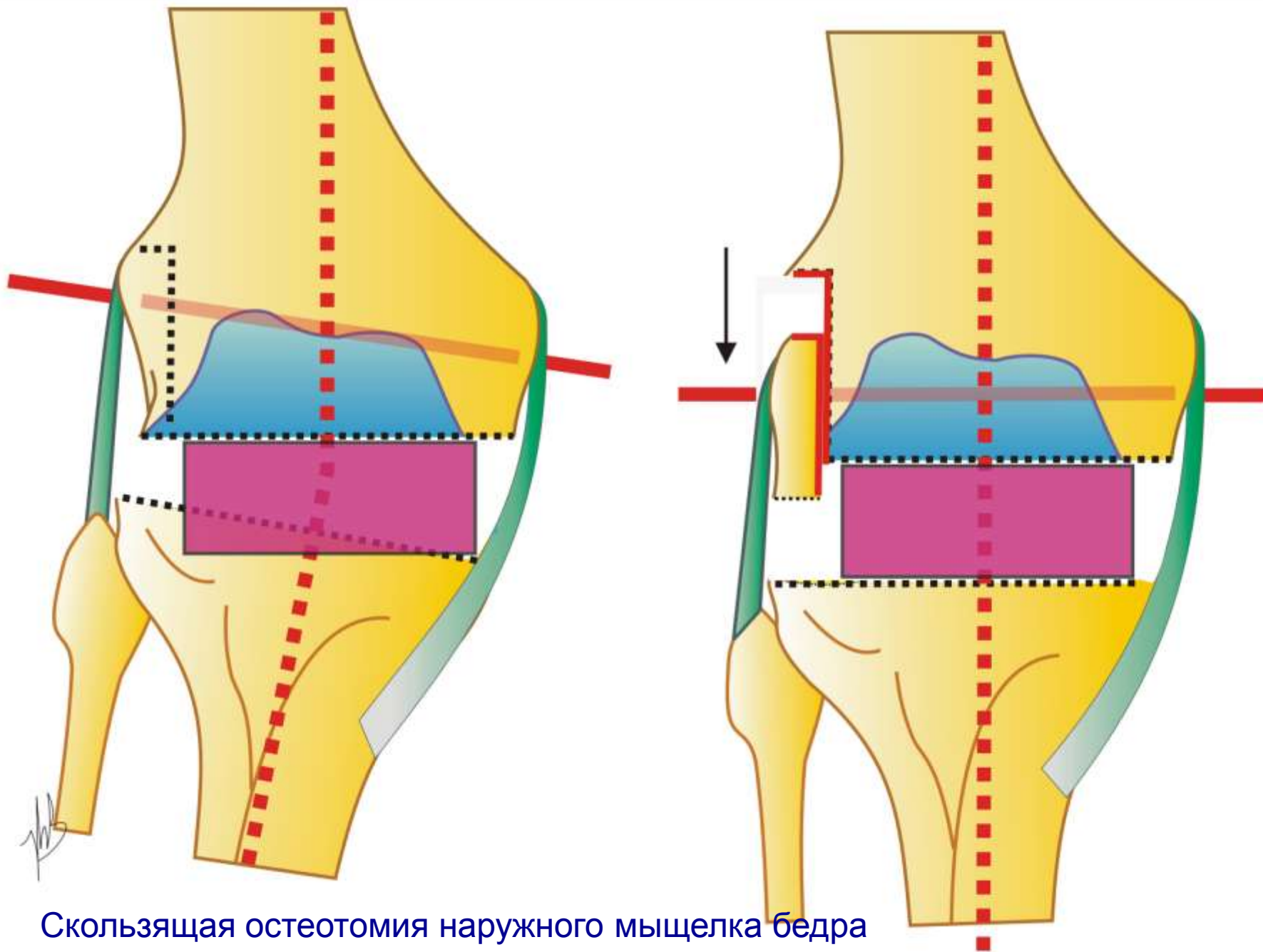




При конституциональном вальгусе

- Деформация неискравима
- Форма бедра аномальна: ось сгибания разгибания колена в вальгусном положении к механической оси бедра





Скользкая остеотомия наружного мыщелка бедра

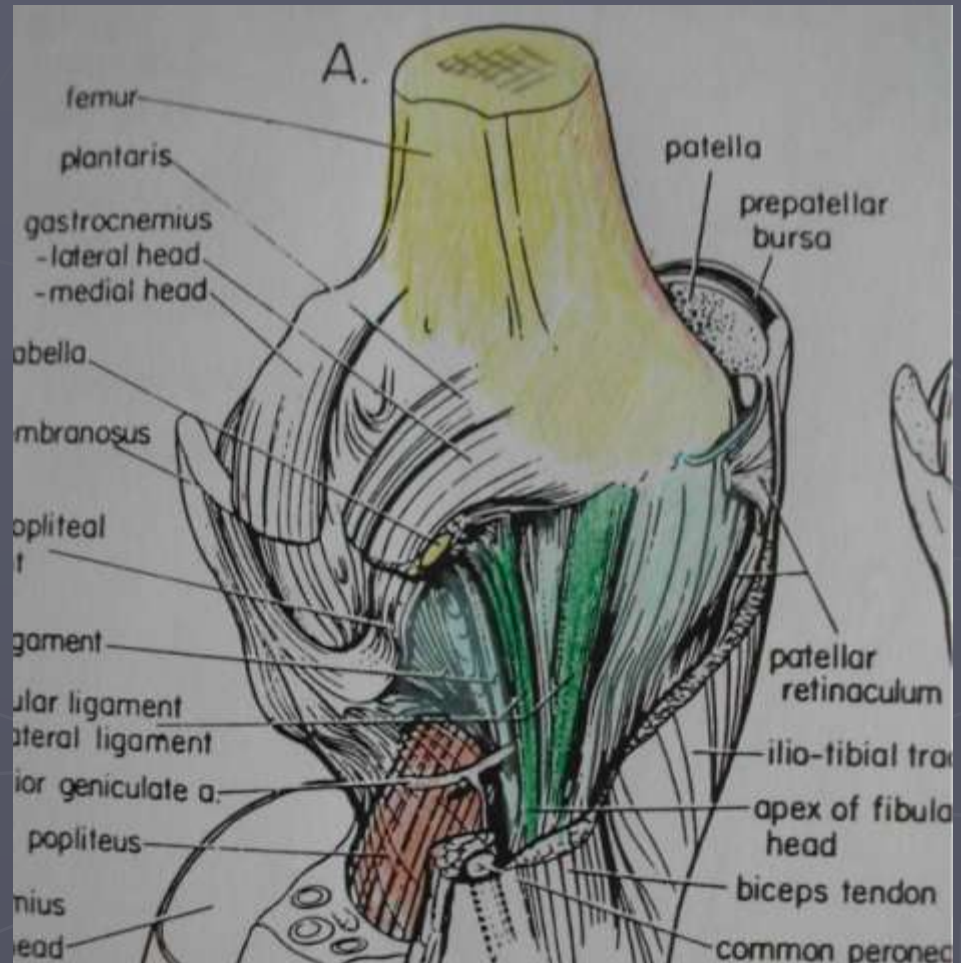
АНАТОМИЯ

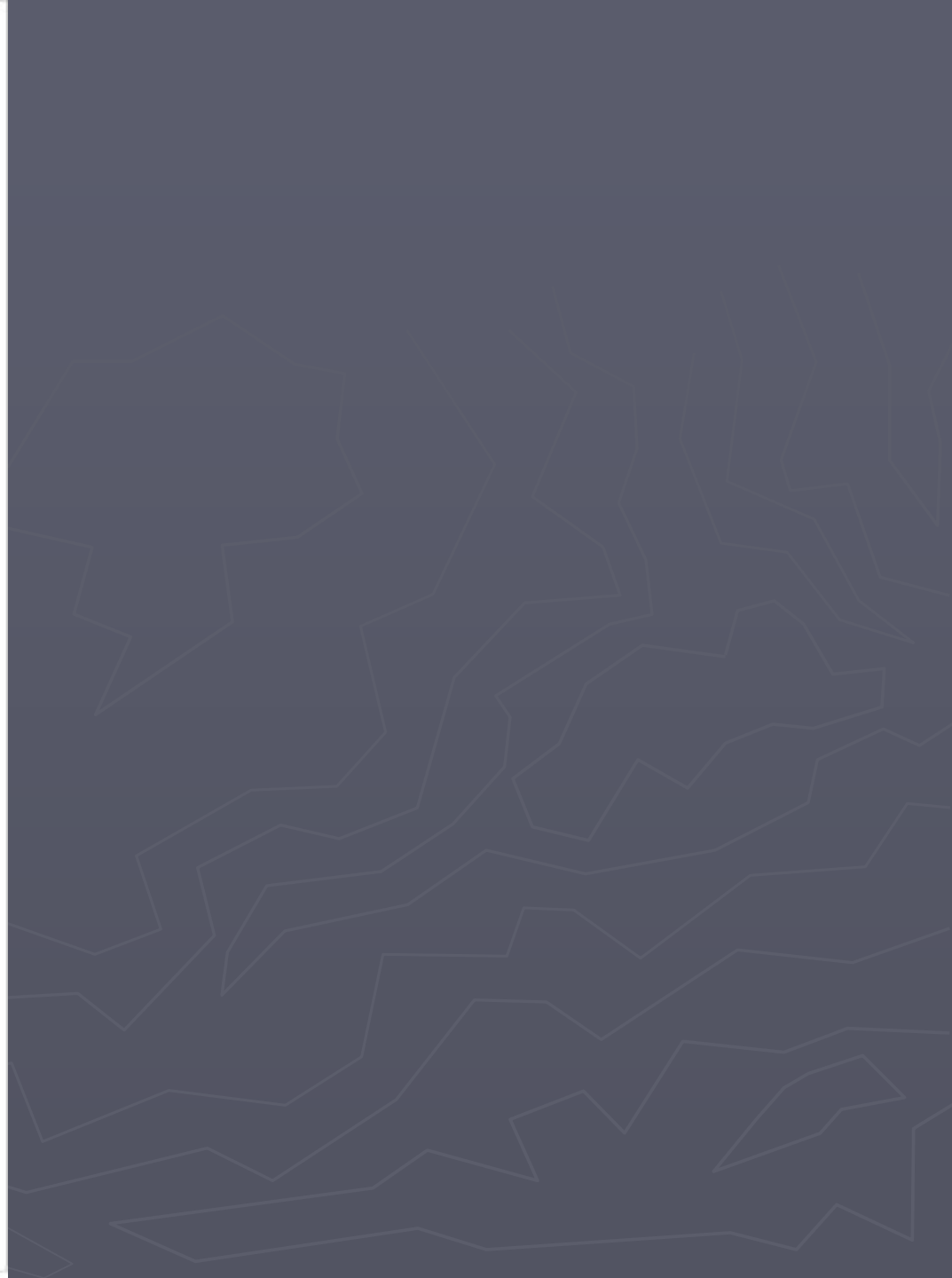
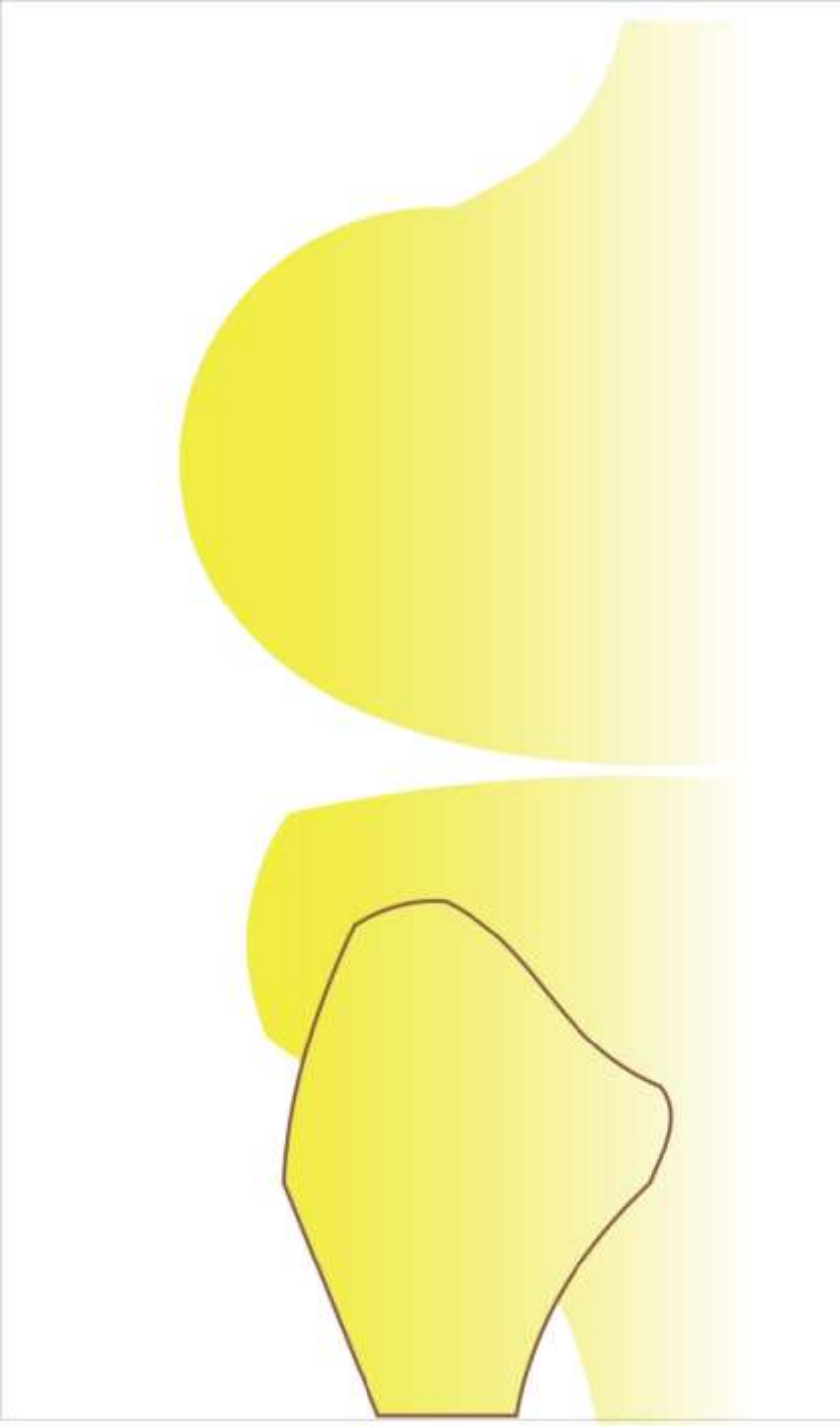
- The structure of the posterolateral aspect of the knee

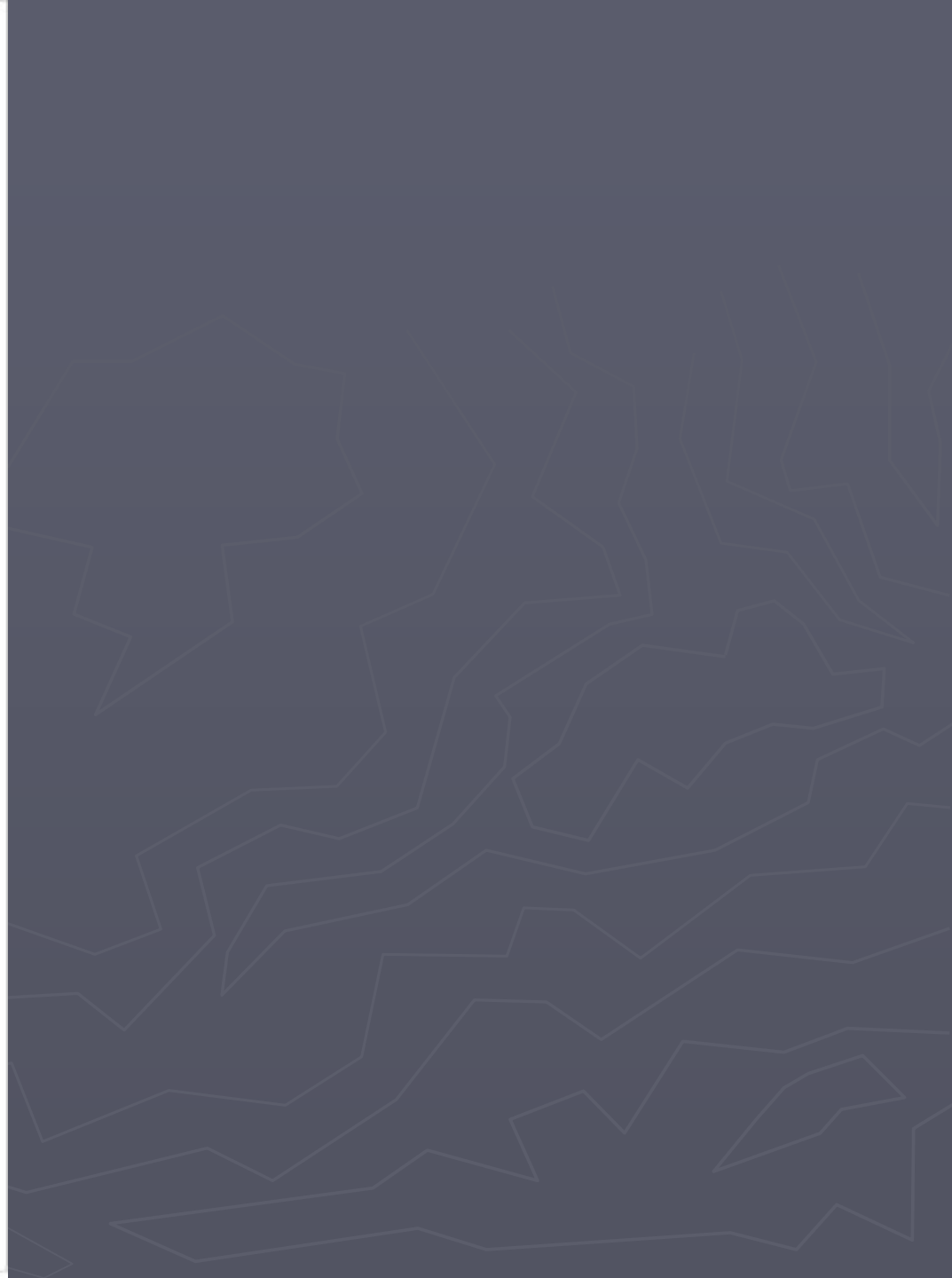
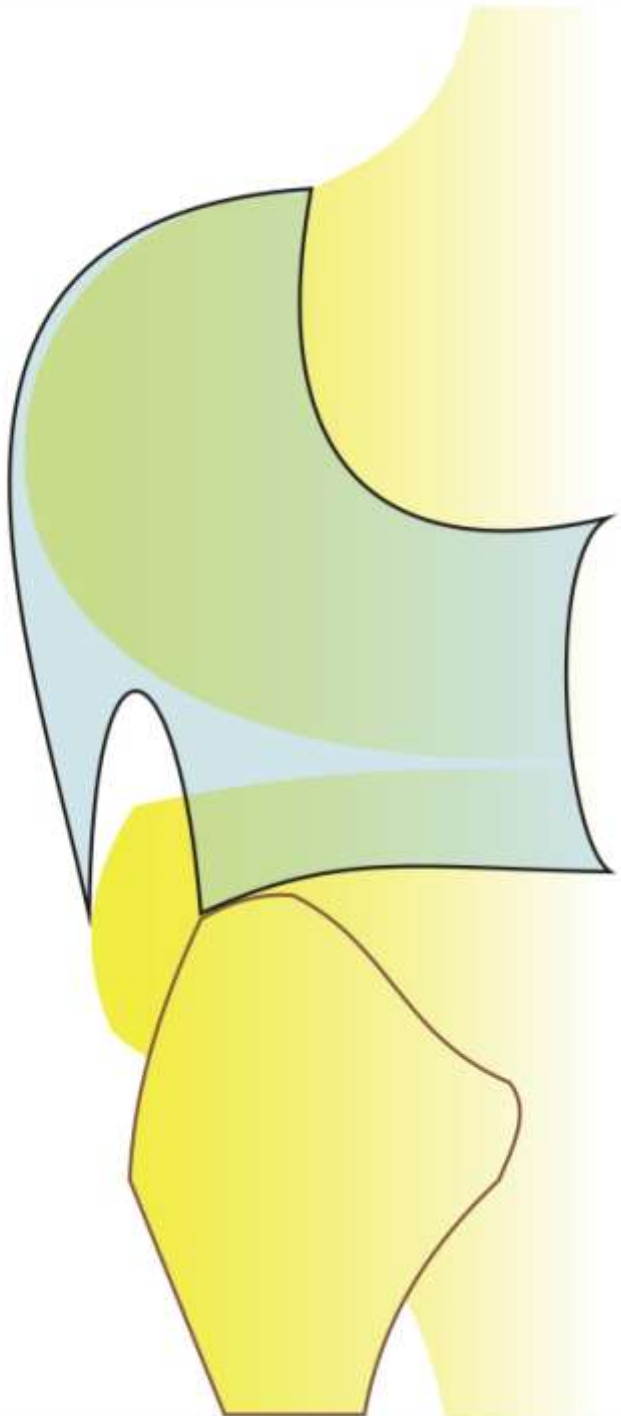
Seebacher JR, Inglis AE, Marshall DVM, Waren RF
J Bone Joint Surg 64A (4) 536-541, 1982

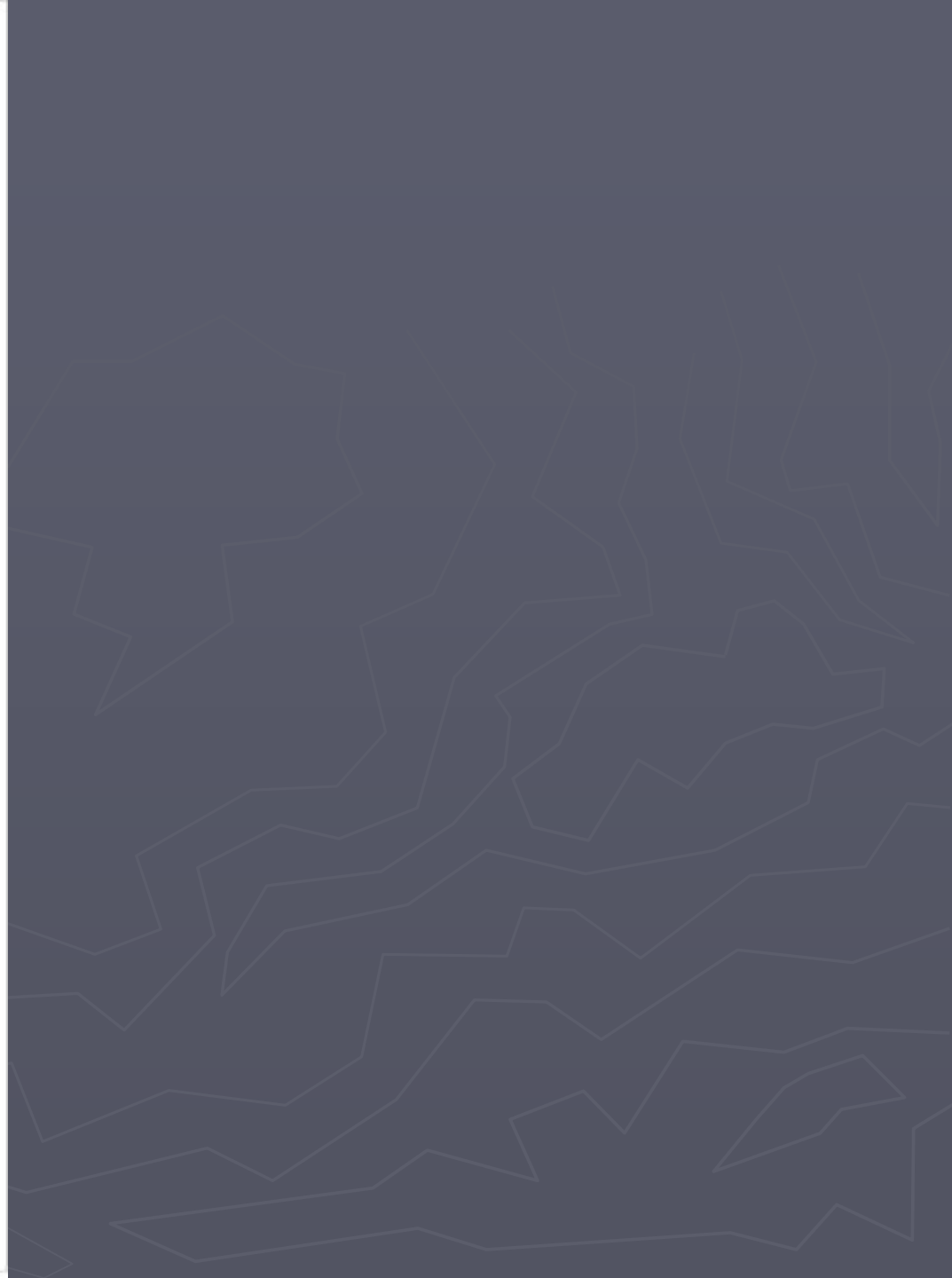
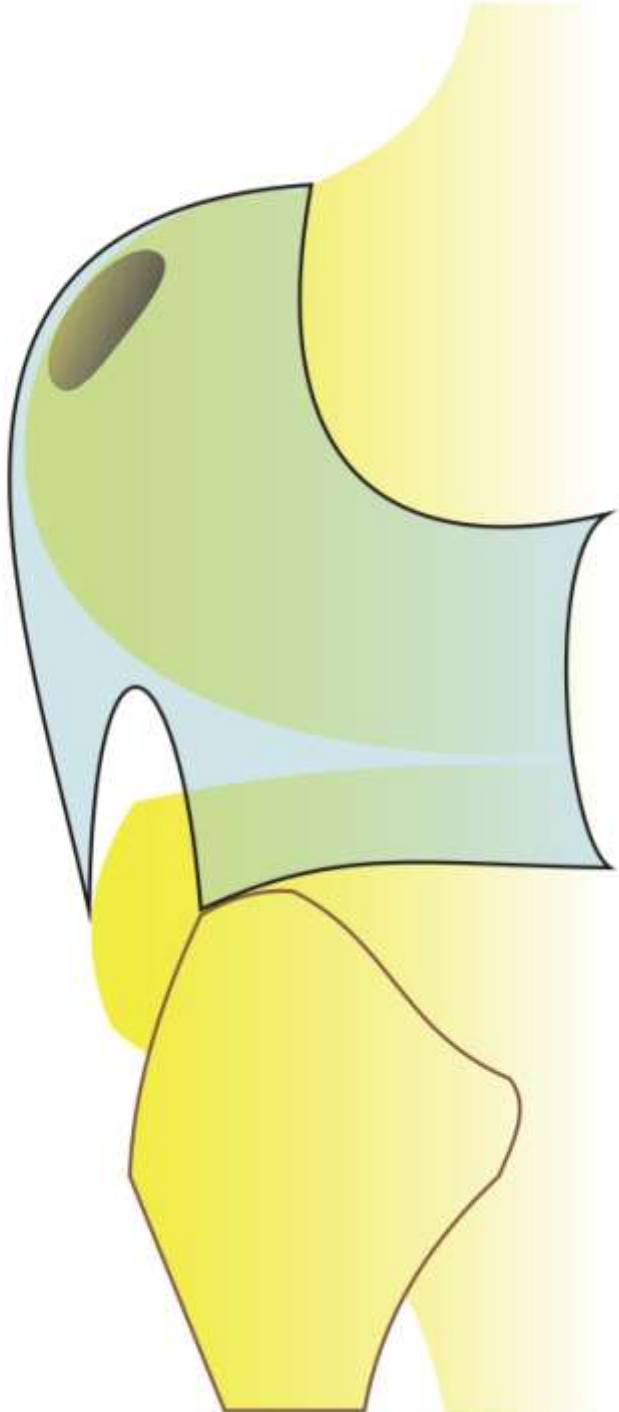
- Functional anatomy of the posterolateral structures of the knee

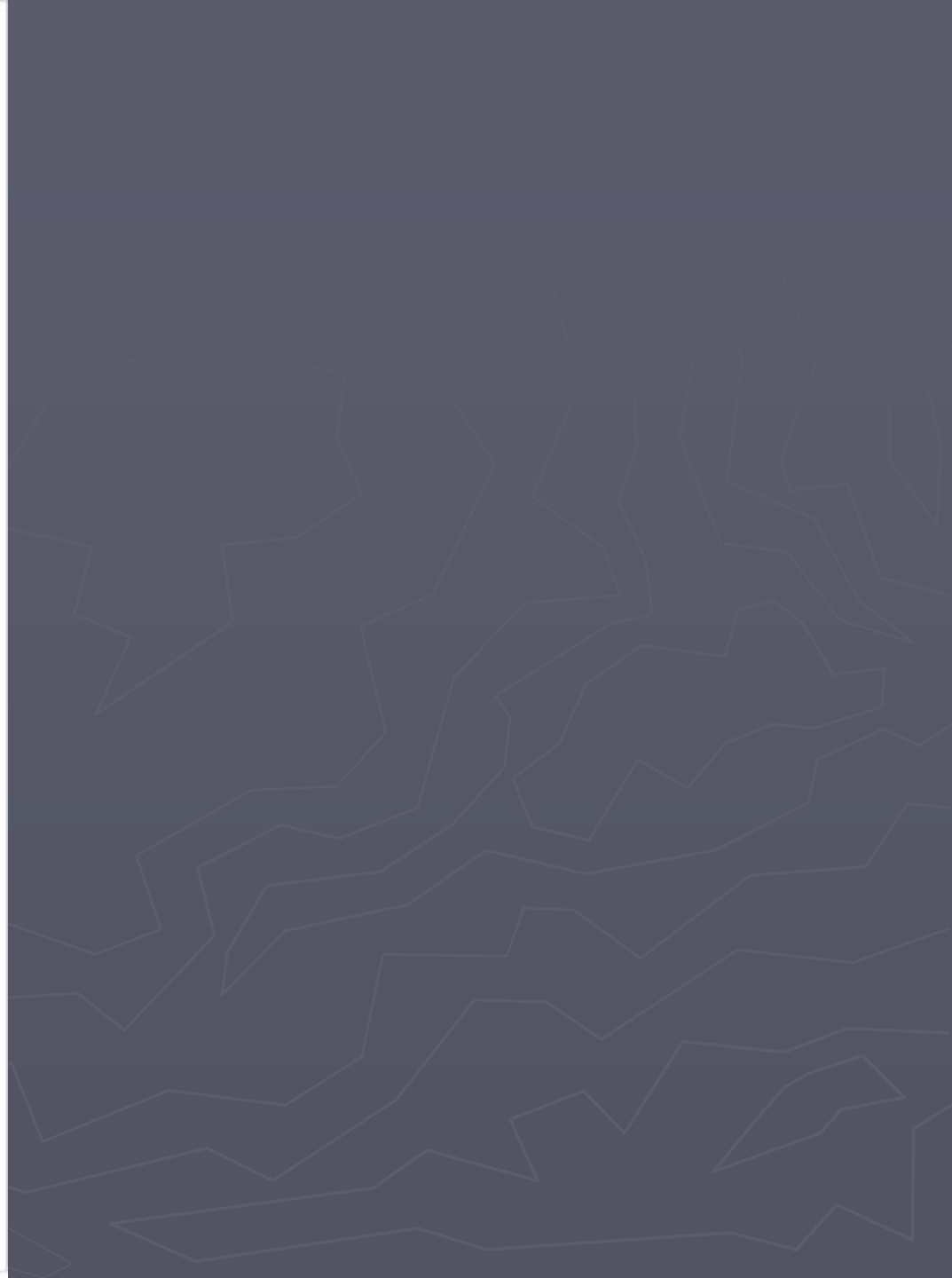
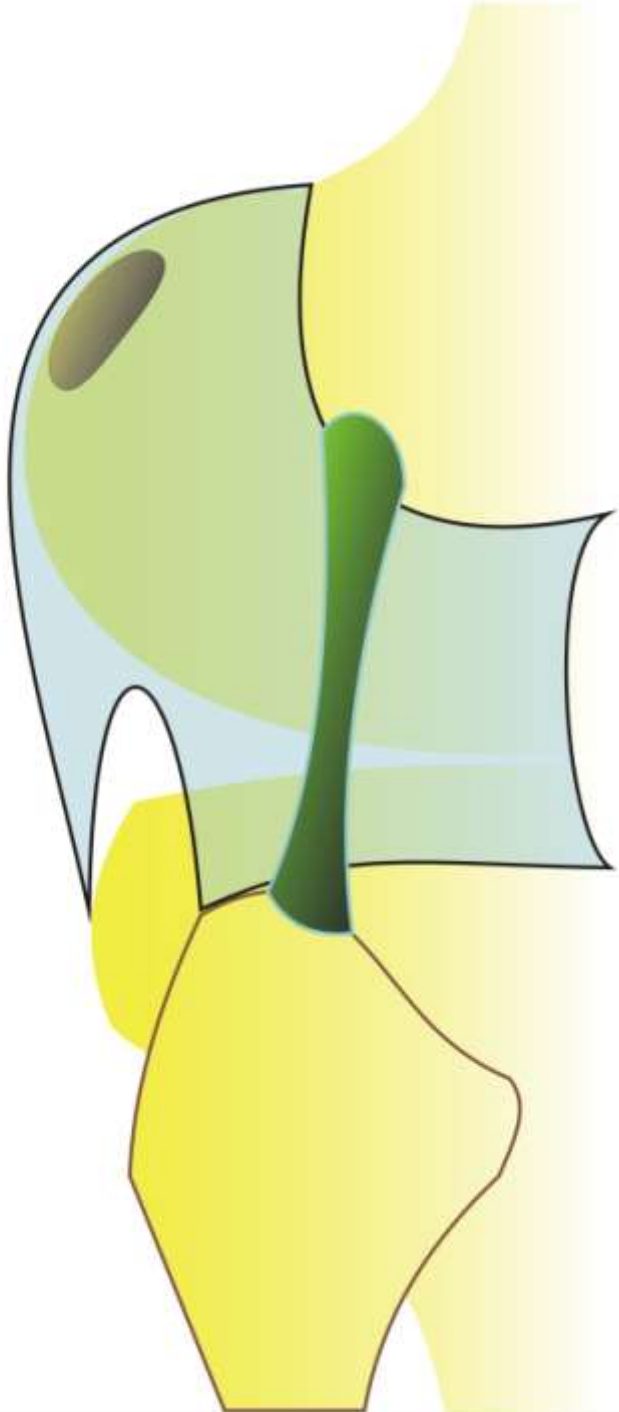
Watanabe Y, Moriya H, Takahashi K, Yamagata M, Sonoda M
Shimada Y, Tamaki T
J Arthroscopy 91(1) :57-62, 1993

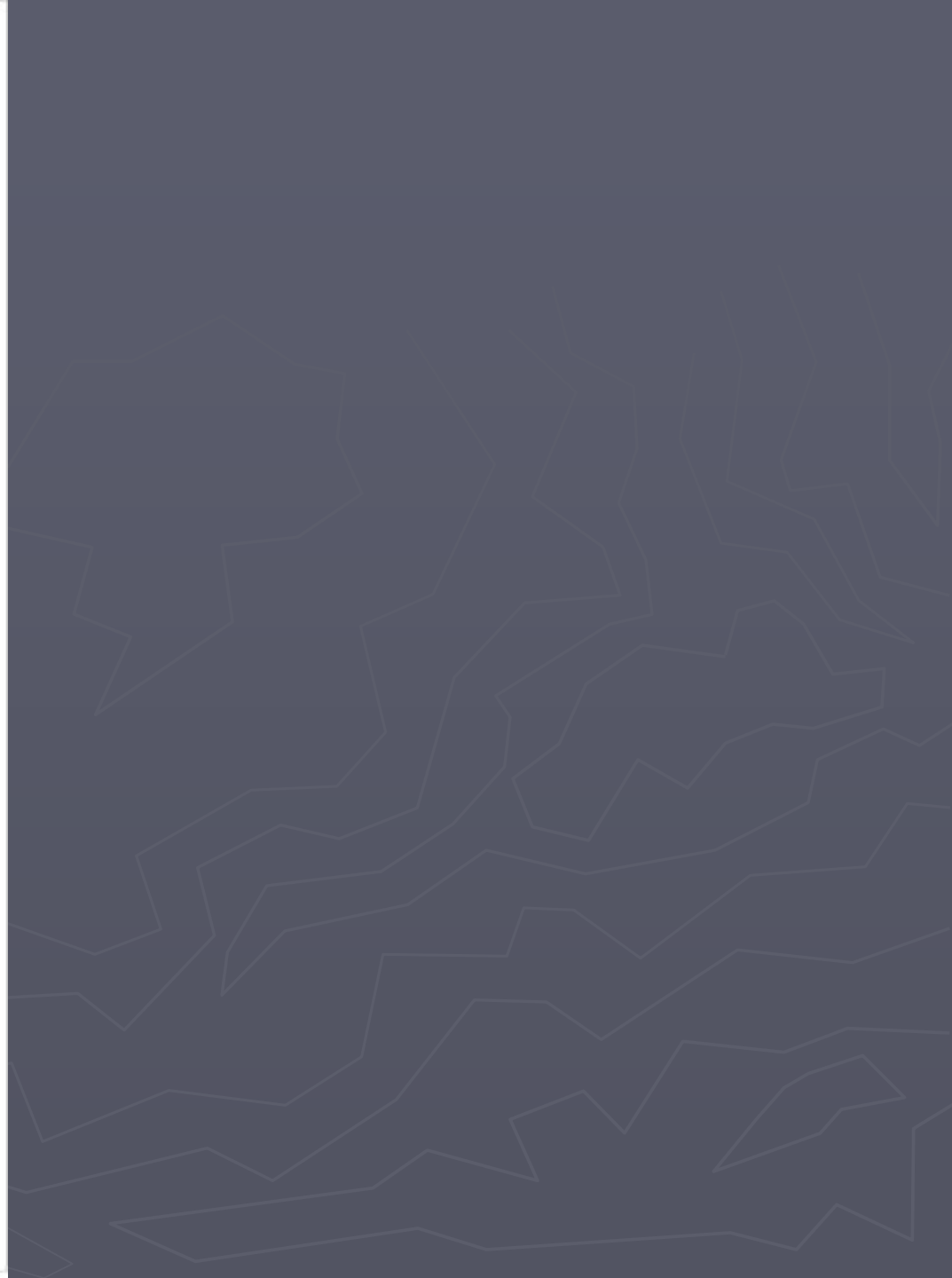
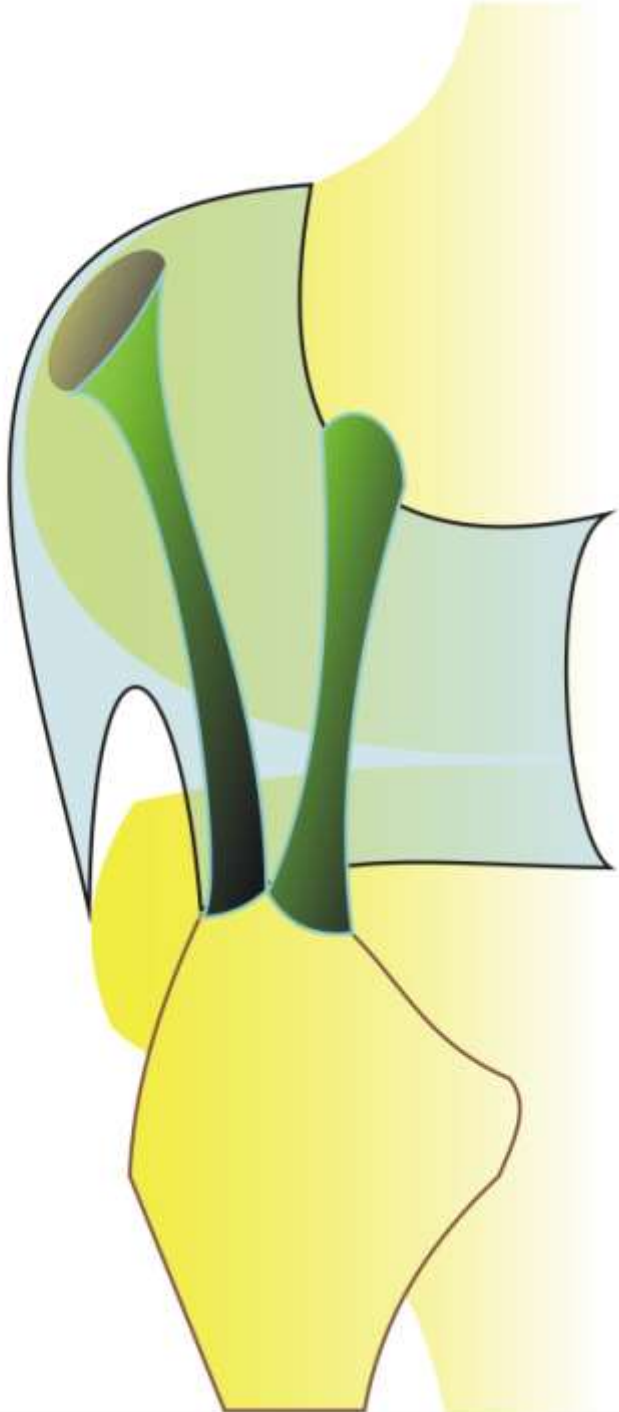


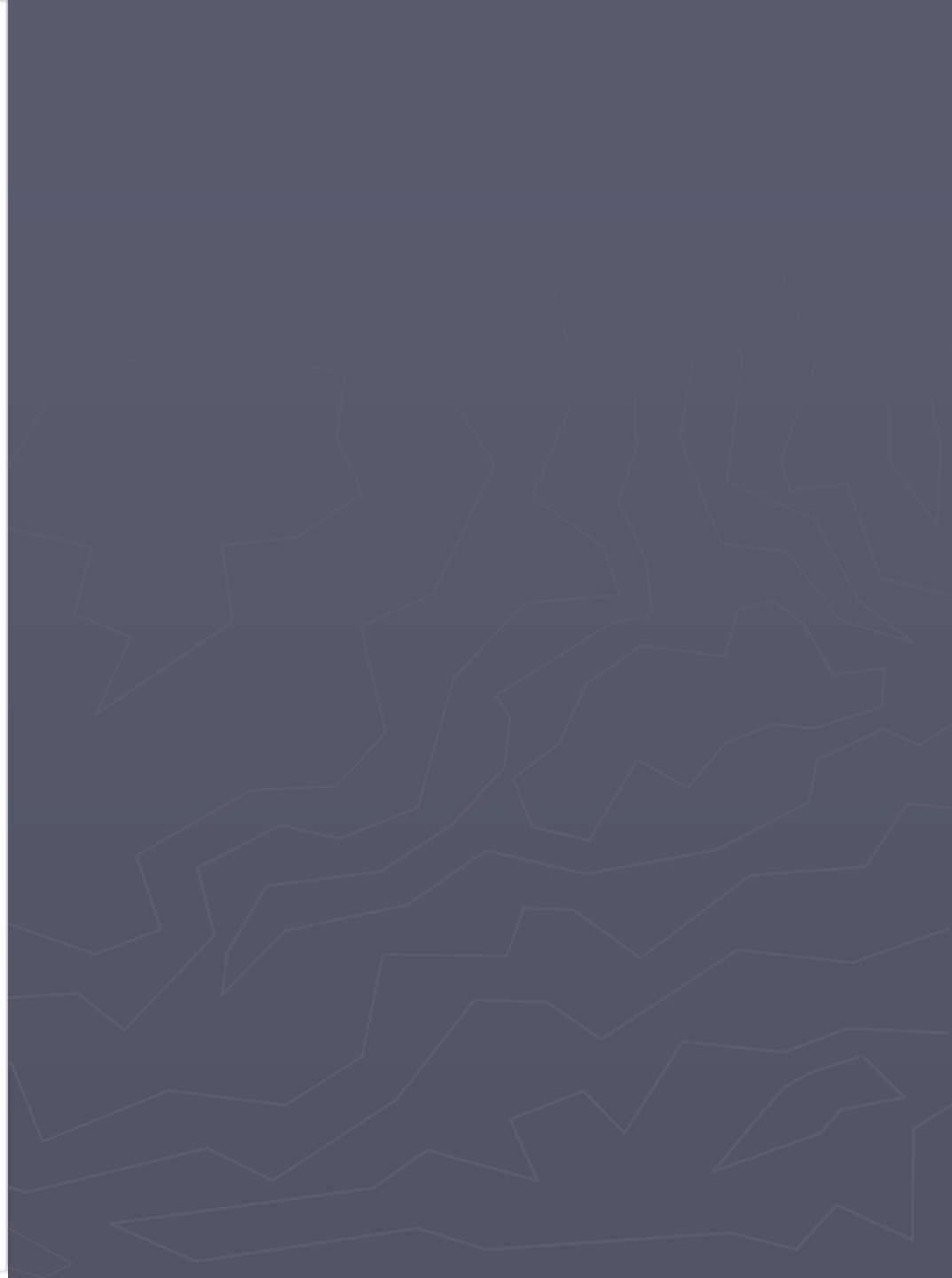
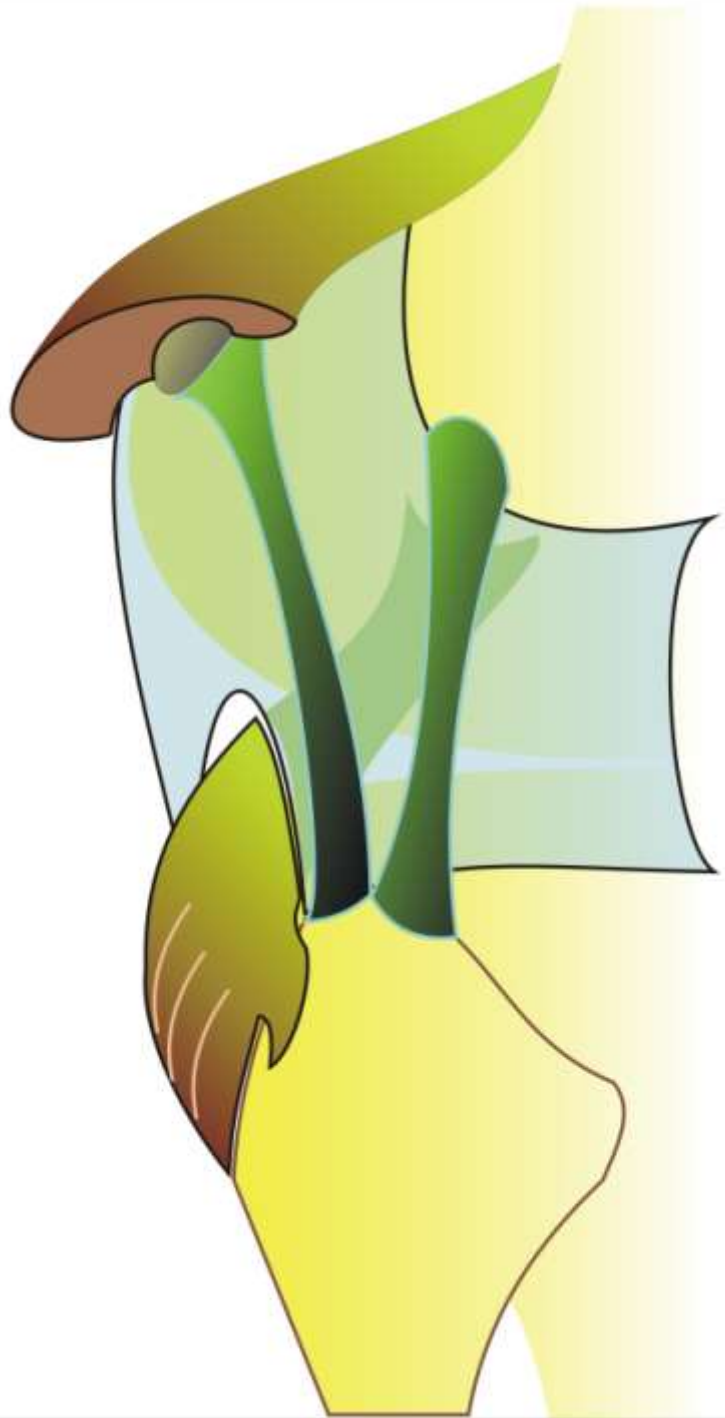


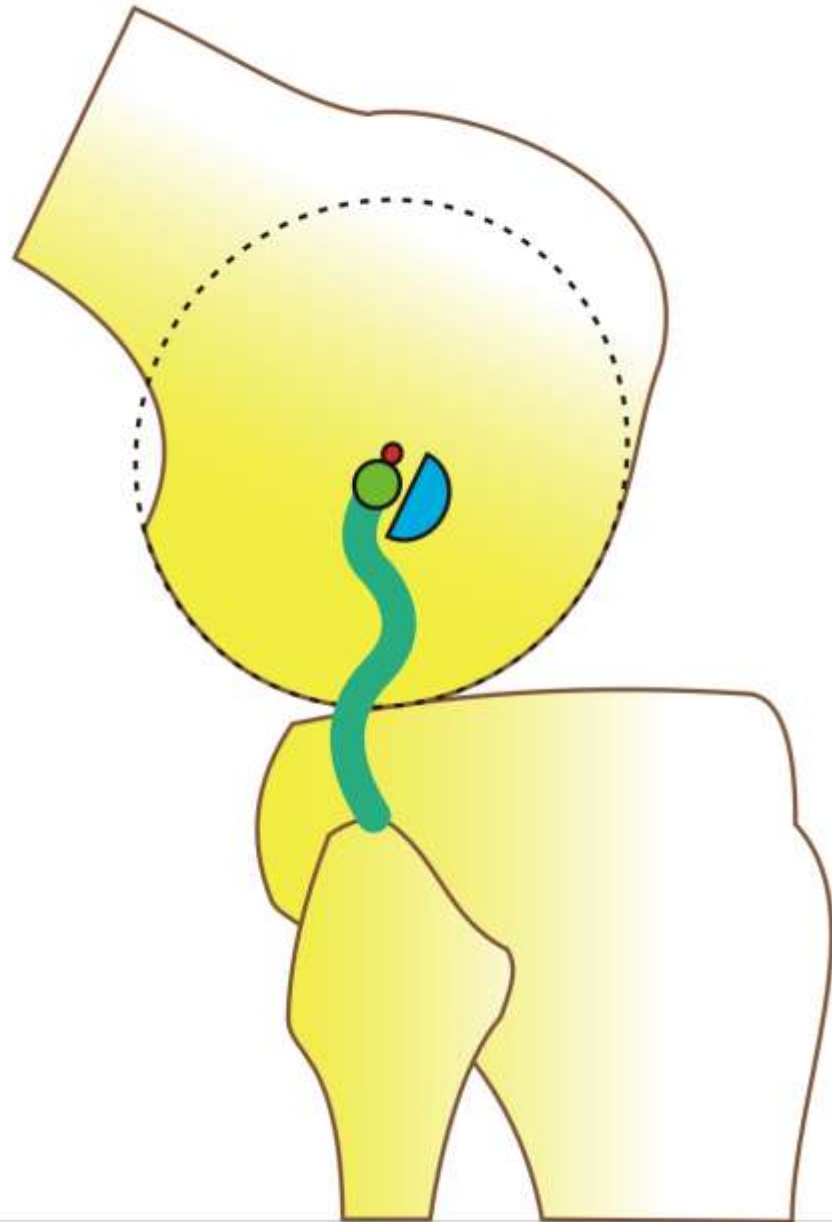
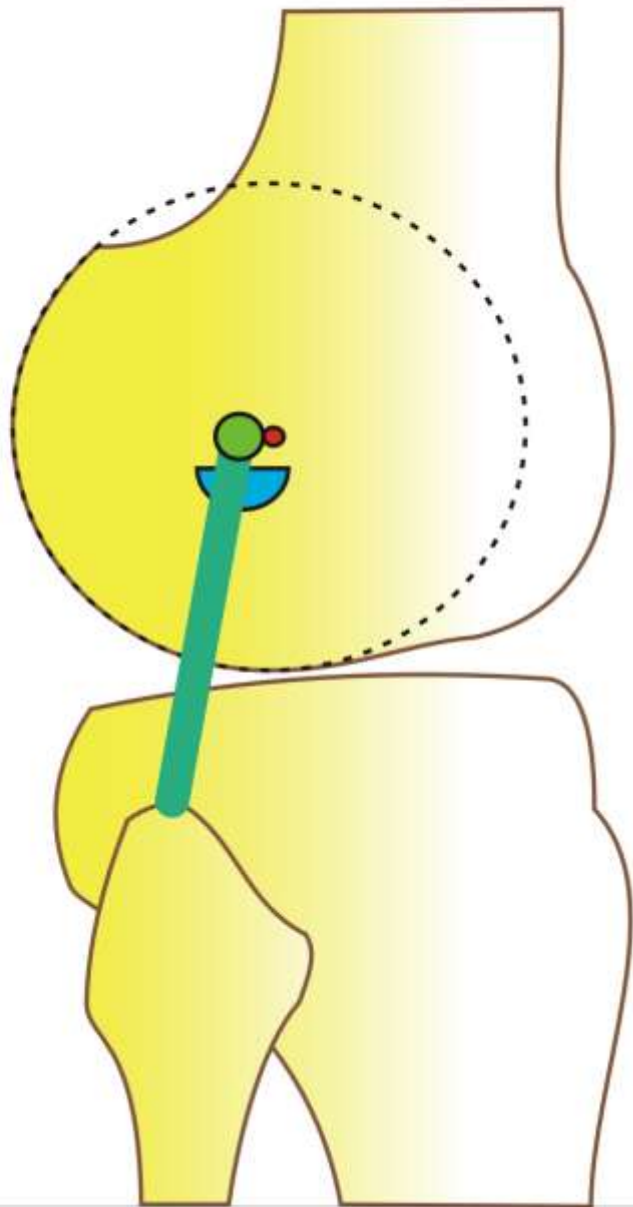


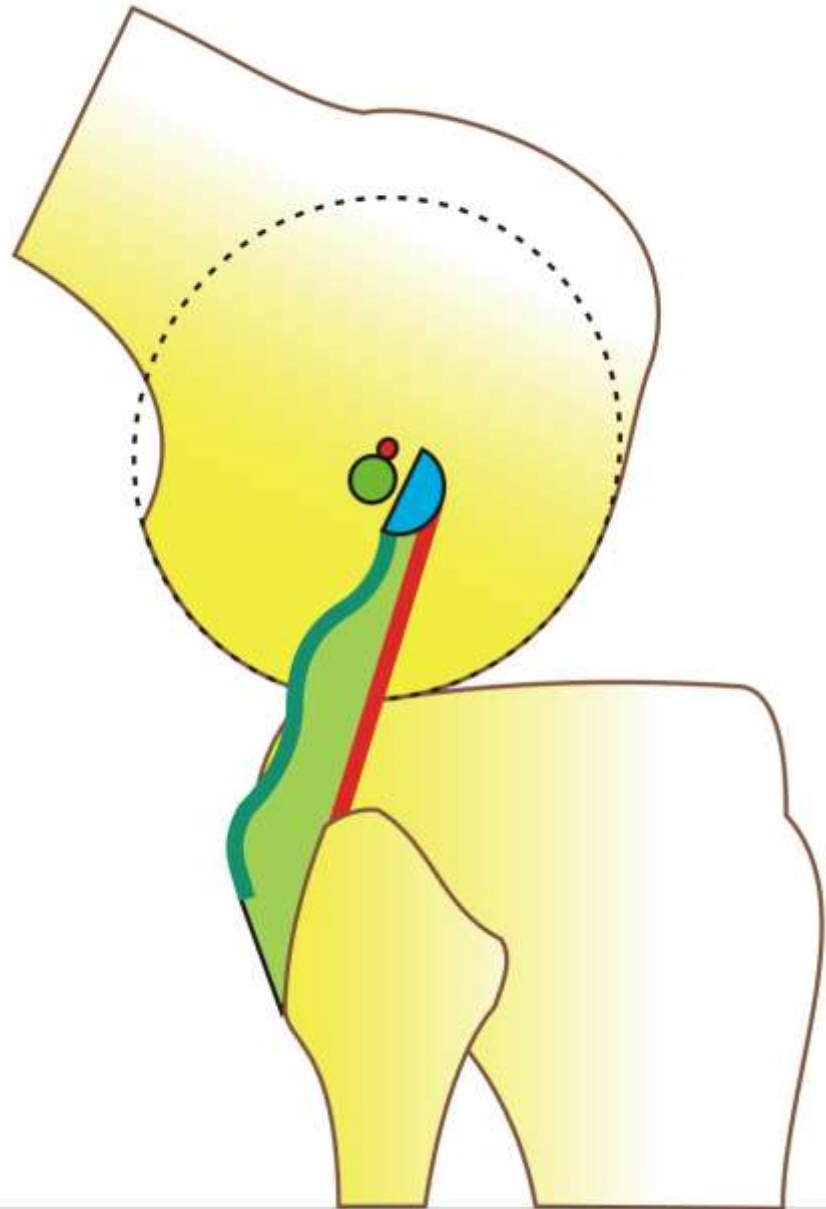
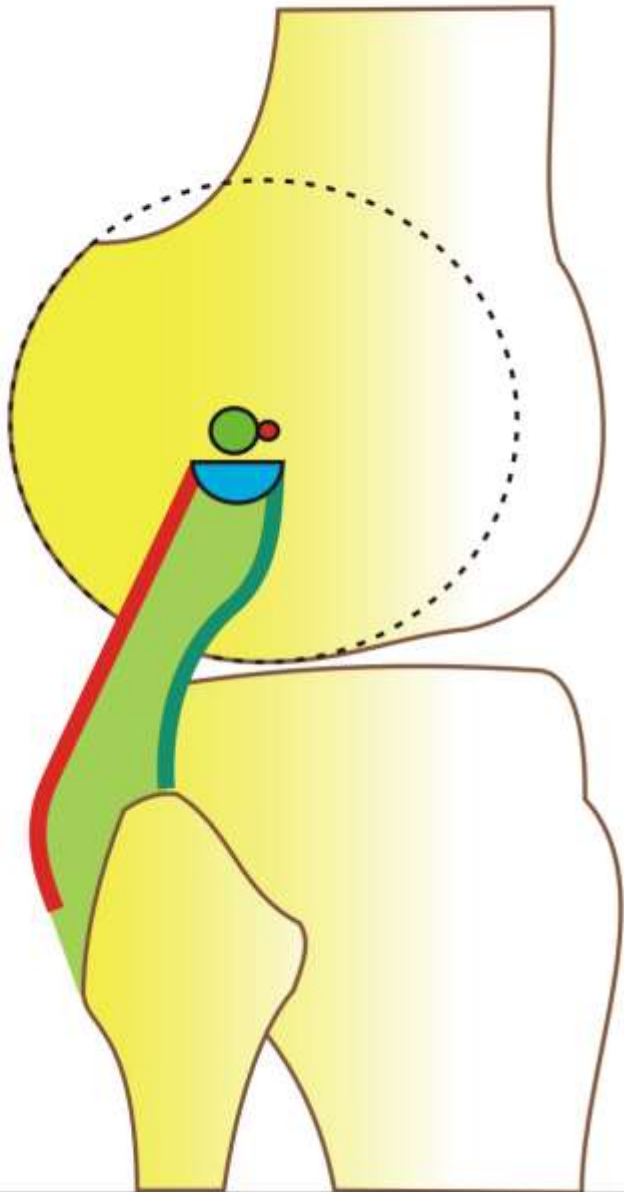












- Primary total knee arthroplasty in patients with valgus deformity

Krackow KA, Jones MM, Teeny SM, Hungerford DS
Clin Orthop 273 :9-18, 1991

- Total knee arthroplasty in valgus knees

Stern SH, Moeckel BH, Insall JN
Clin Orthop 273 :5-8, 1991

- A sequential three-step lateral release for correcting fixed valgus knee deformities during total knee arthroplasty

Buechel FF
Clin Orthop 260 :170-175, 1990

Surgical technique and analysis of 53 cases with over two year follow-up evaluation

- The lateral approach to the valgus knee

Keblish PA
Clin Orthop 271 :52-62, 1990

- Selective ligament release in total knee arthroplasty of the knee in valgus

Whiteside LA
Clin Orthop 367 :130-140, 1999

- Effect of selective lateral ligament release on stability in knee arthroplasty

Kanamiya T, Whiteside LA, Nakamura T, Mihalko W, Steiger J, Naito M
Clin Orthop 404 :24-31, 2002

- Primary total knee arthroplasty in the valgus knee.

Creating a balanced soft tissue envelope
Peters CL, Mohr RA, Bachus KN
J Arthroplasty 16 (6) :721-729, 2001

Flexion-extension joint gap changes after lateral structure release for valgus deformity correction in total knee arthroplasty. A cadaveric study

Krackow KA, Mihalko WM
J Arthroplasty 14 (8) :721-729, 1998

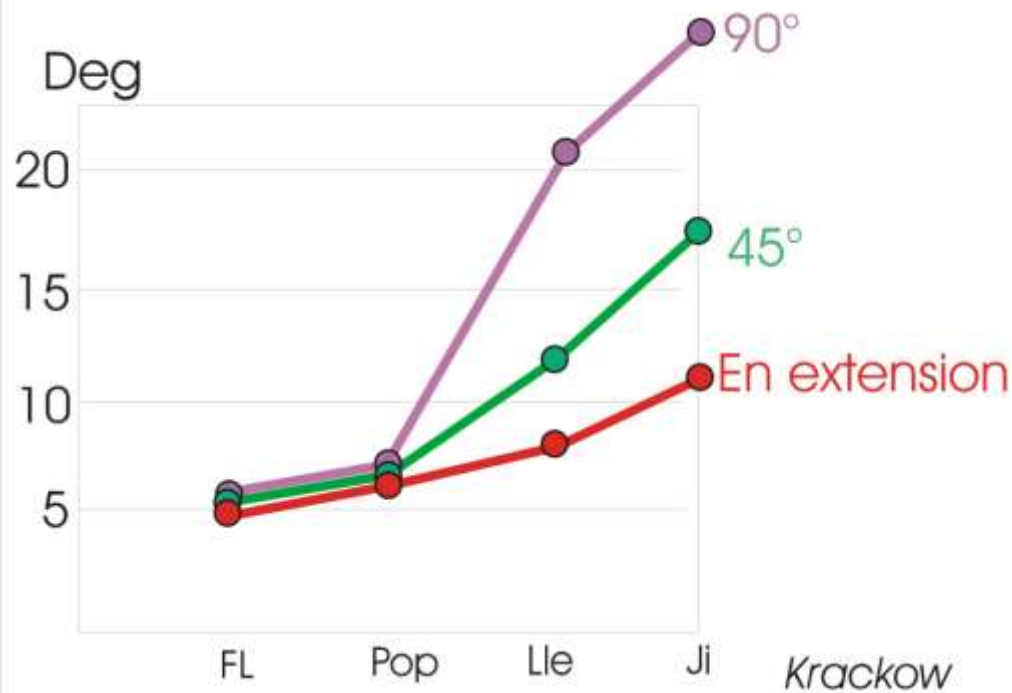
- Soft tissue release in total knee arthroplasty. Cadaver study using knees without deformities

Matsueda M, Gengerke TR, Murphy M, Lew WD, Gustilo RB
Clin Orthop 366 :264-273, 1999

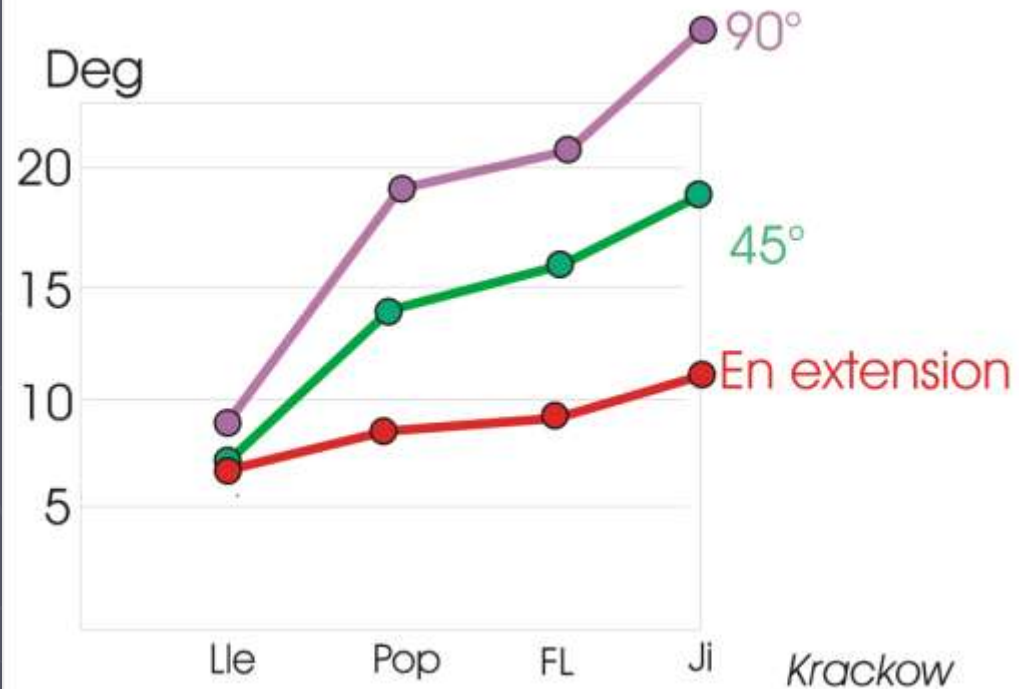
Flexion-extension joint gap changes after lateral structure release for valgus deformity correction in total knee arthroplasty. A cadaveric study

Krackow KA, Mihalko WM

J Arthroplasty 14 (8) :721-729, 1998



Krackow

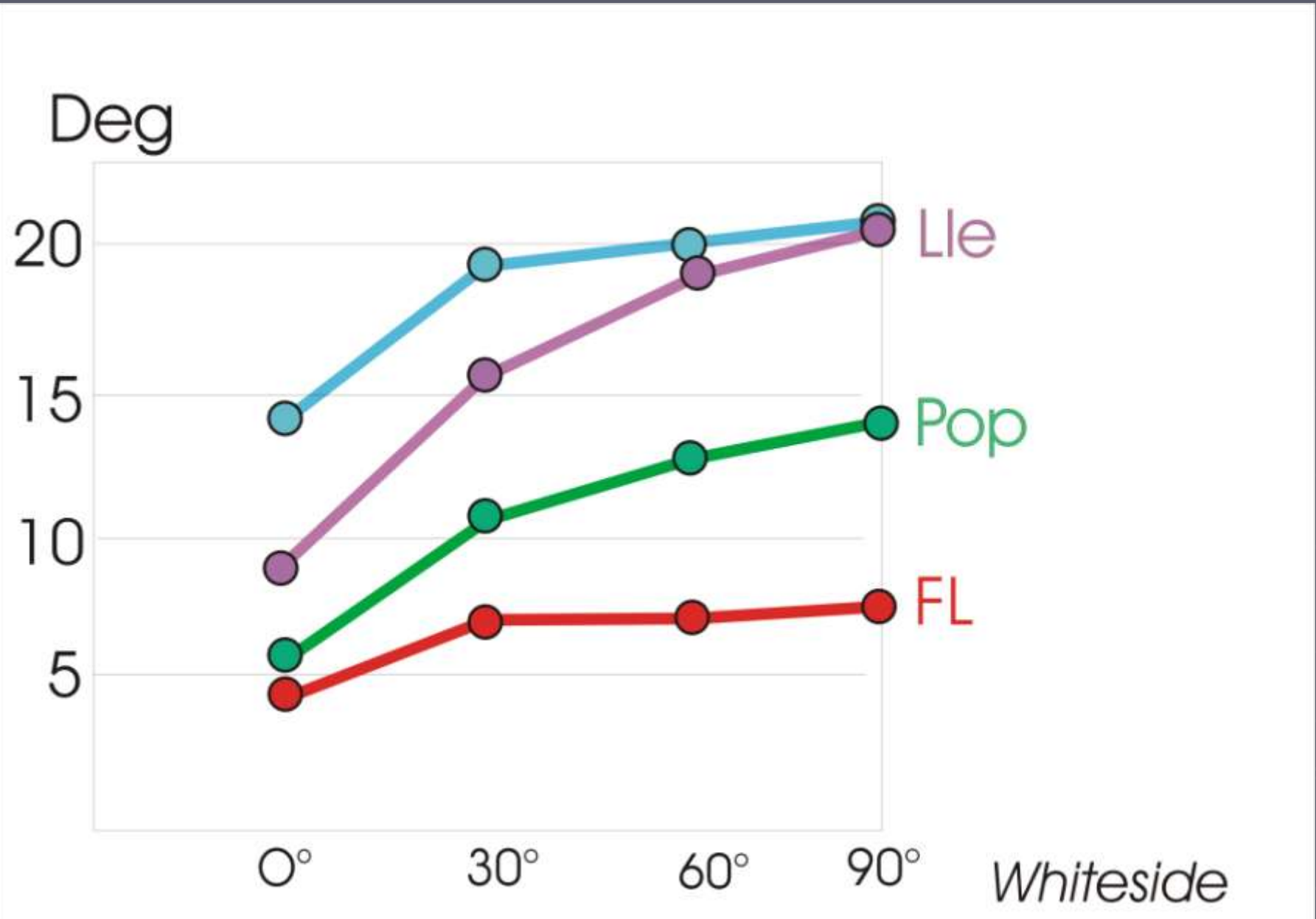


Krackow

Effect of selective lateral ligament release on stability in knee arthroplasty

Kanamiya T, Whiteside LA, Nakamura T, Mihalko W, Steiger J, Naito M

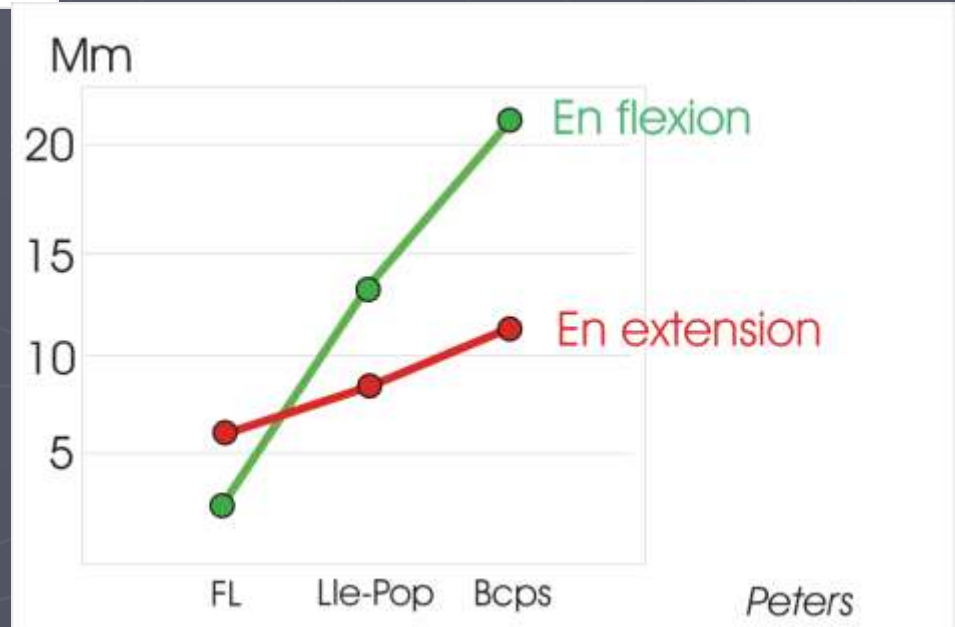
Clin Orthop 404 :24-31, 2002



Primary total knee arthroplasty in the valgus knee.
Creating a balanced soft tissue envelope

Peters CL, Mohr RA, Bachus KN

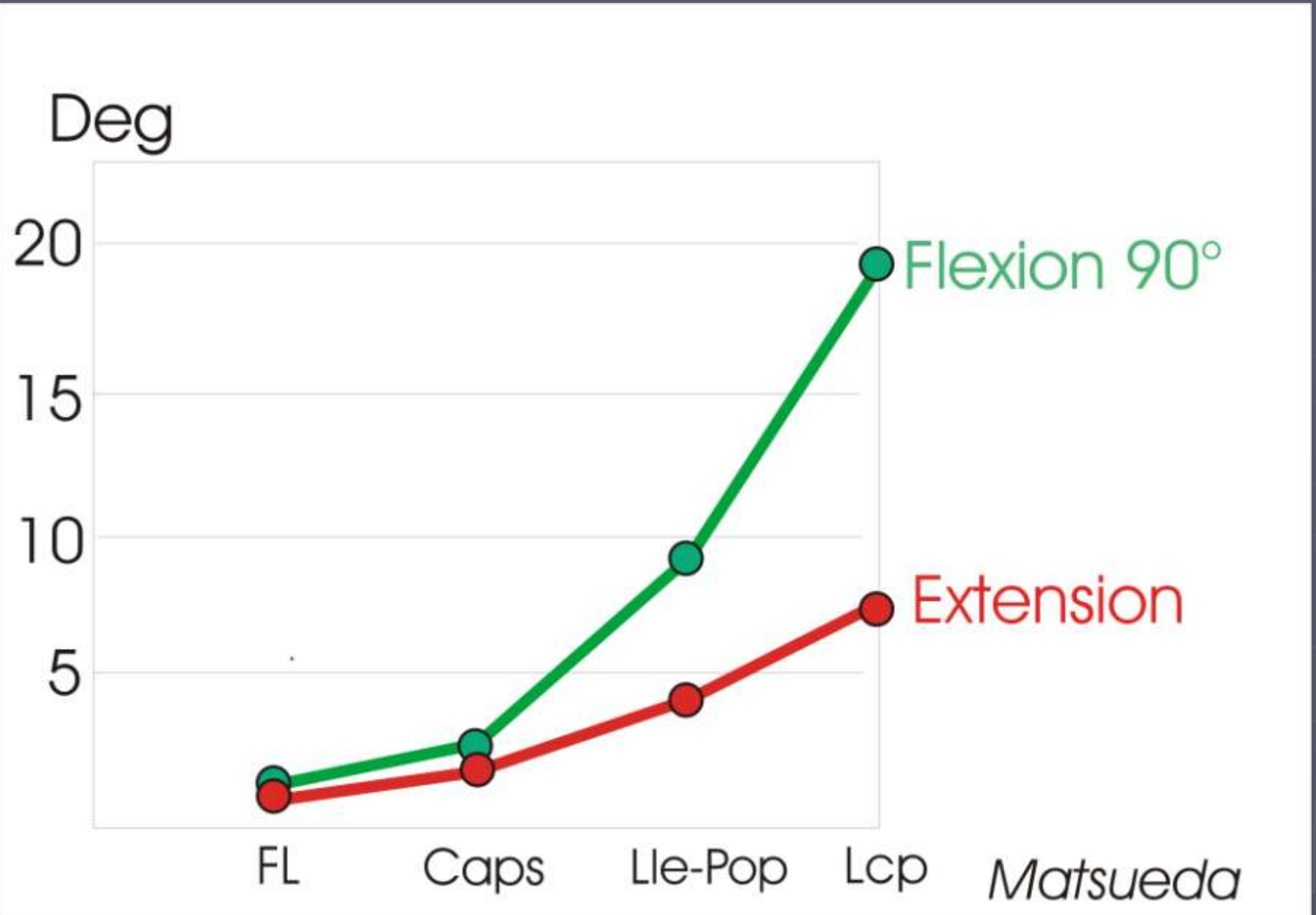
J Arthroplasty 16 (6) :721-729, 2001



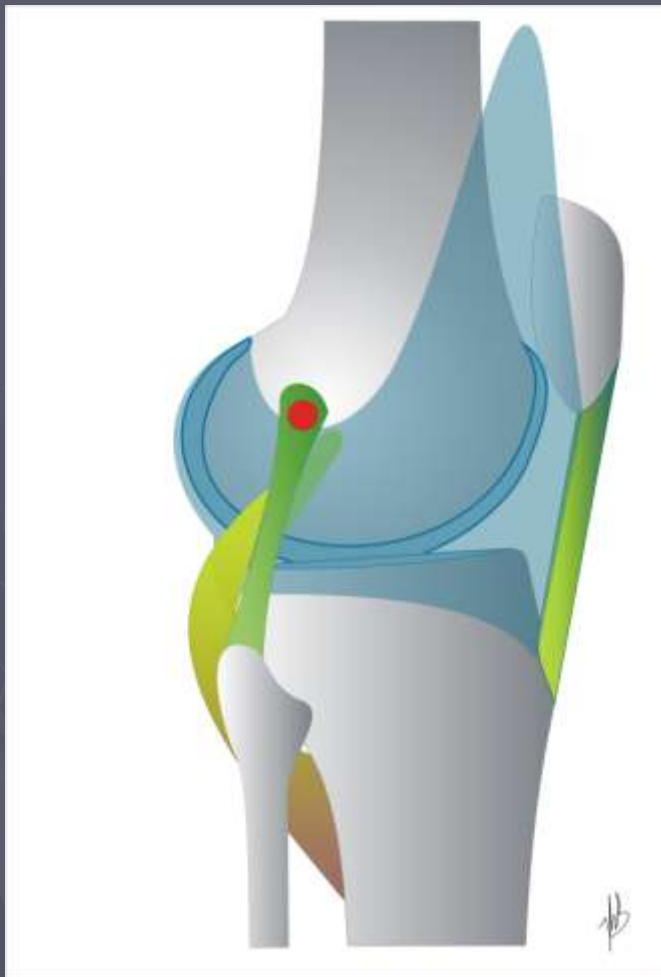
Soft tissue release in total knee arthroplasty. Cadaver study using knees without deformities

Matsueda M, Gengerke TR, Murphy M, Lew WD, Gustilo RB

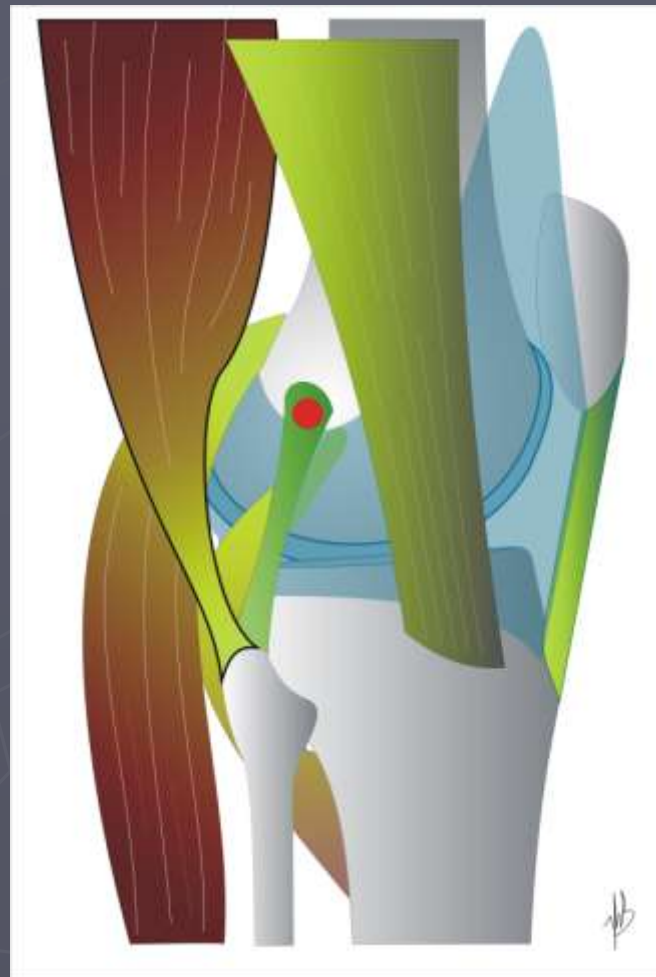
Clin Orthop 366 :264-273, 1999



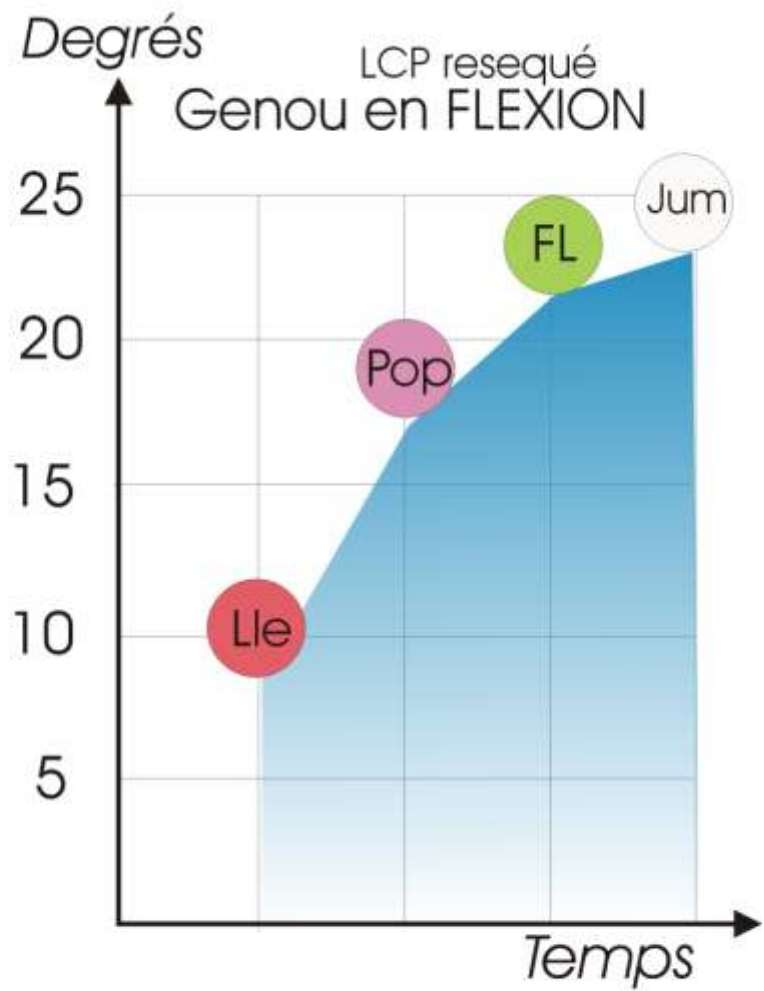
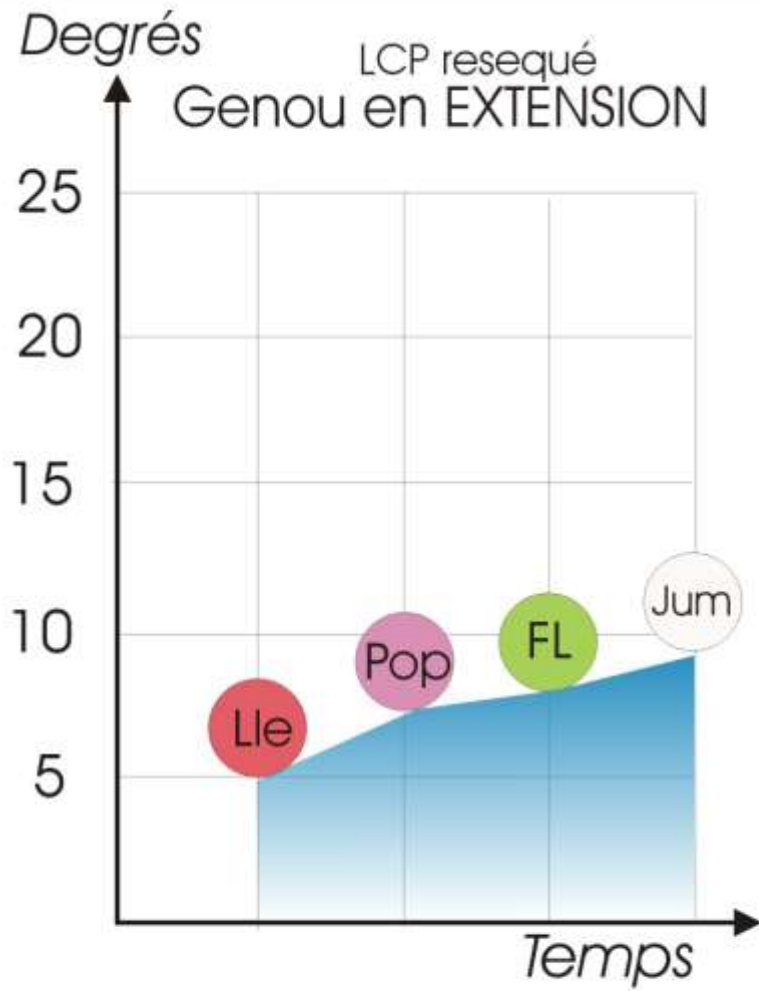
→ НАРУЖНАЯ СТАБИЛЬНОСТЬ



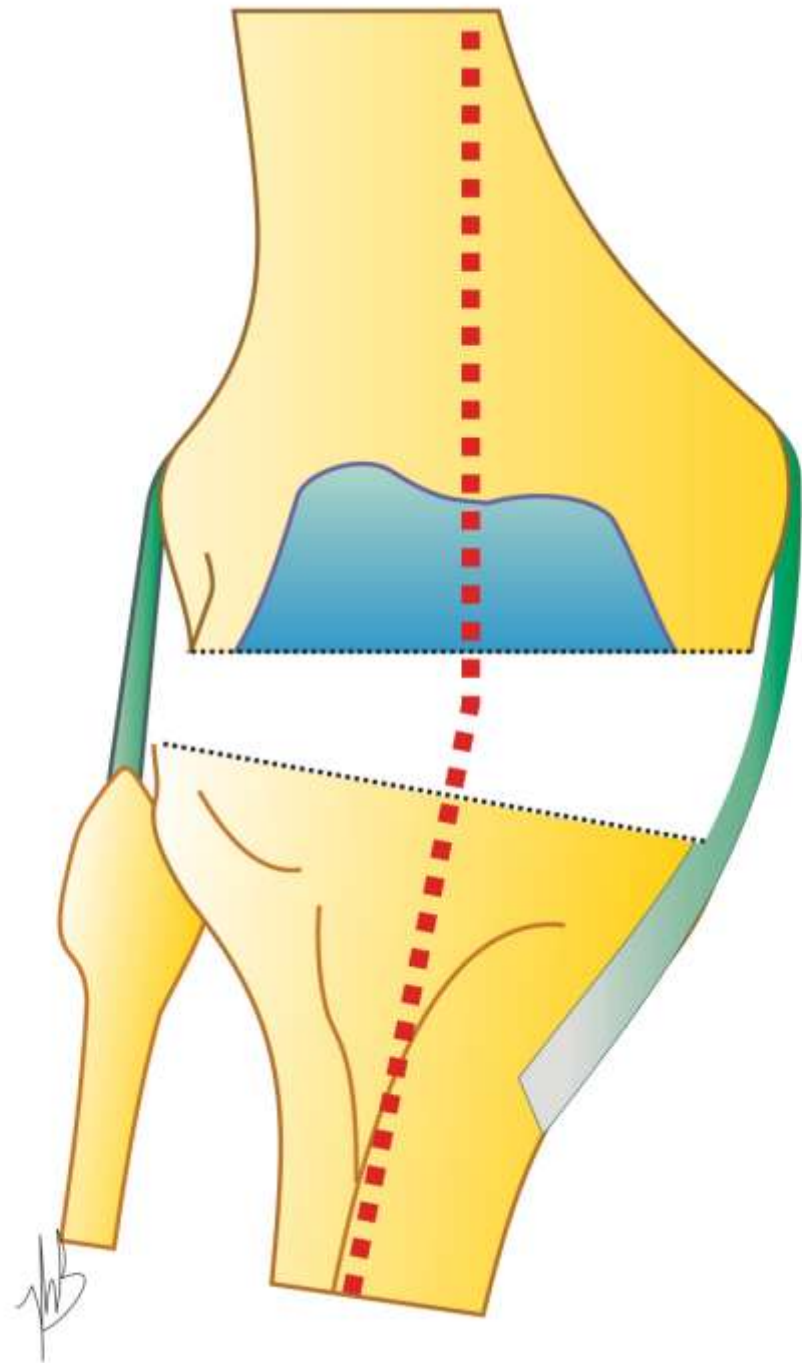
СГИБАНИЕ И
РАЗГИБАНИЕ



РАЗГИБАНИЕ



1 ЭТАП



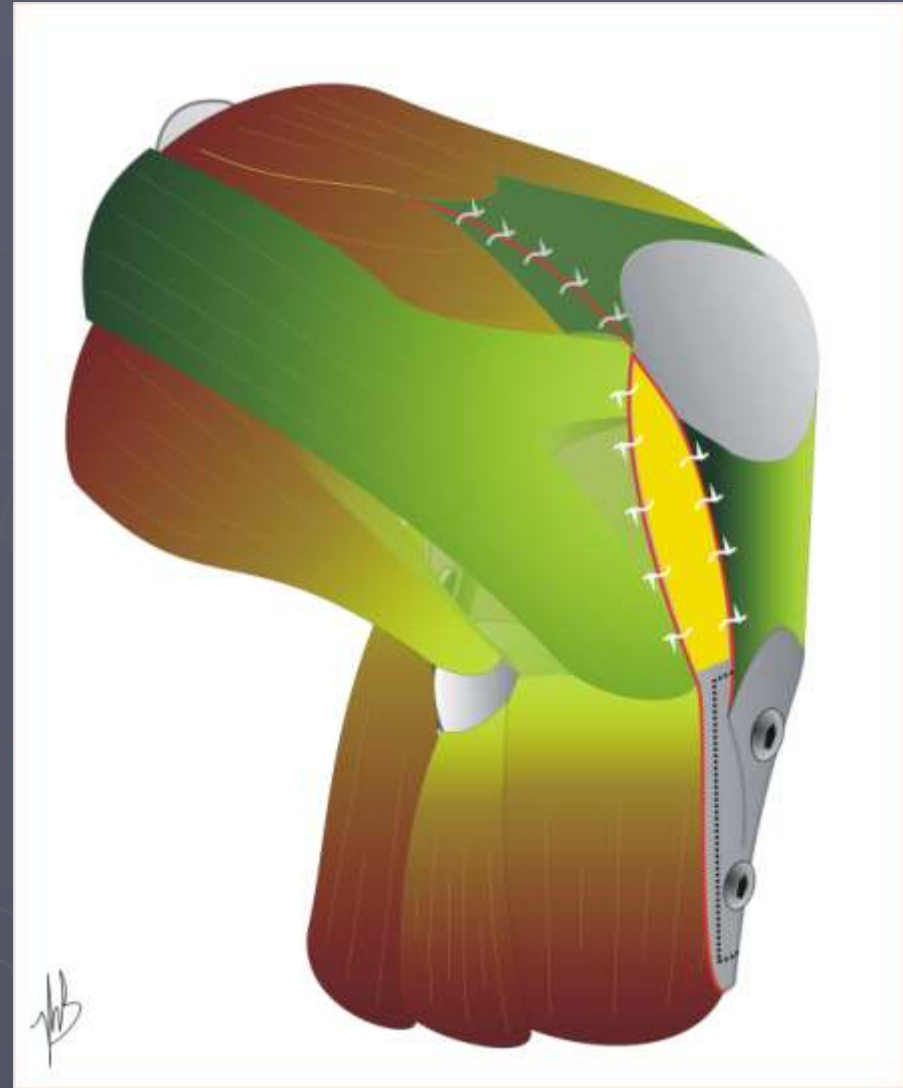
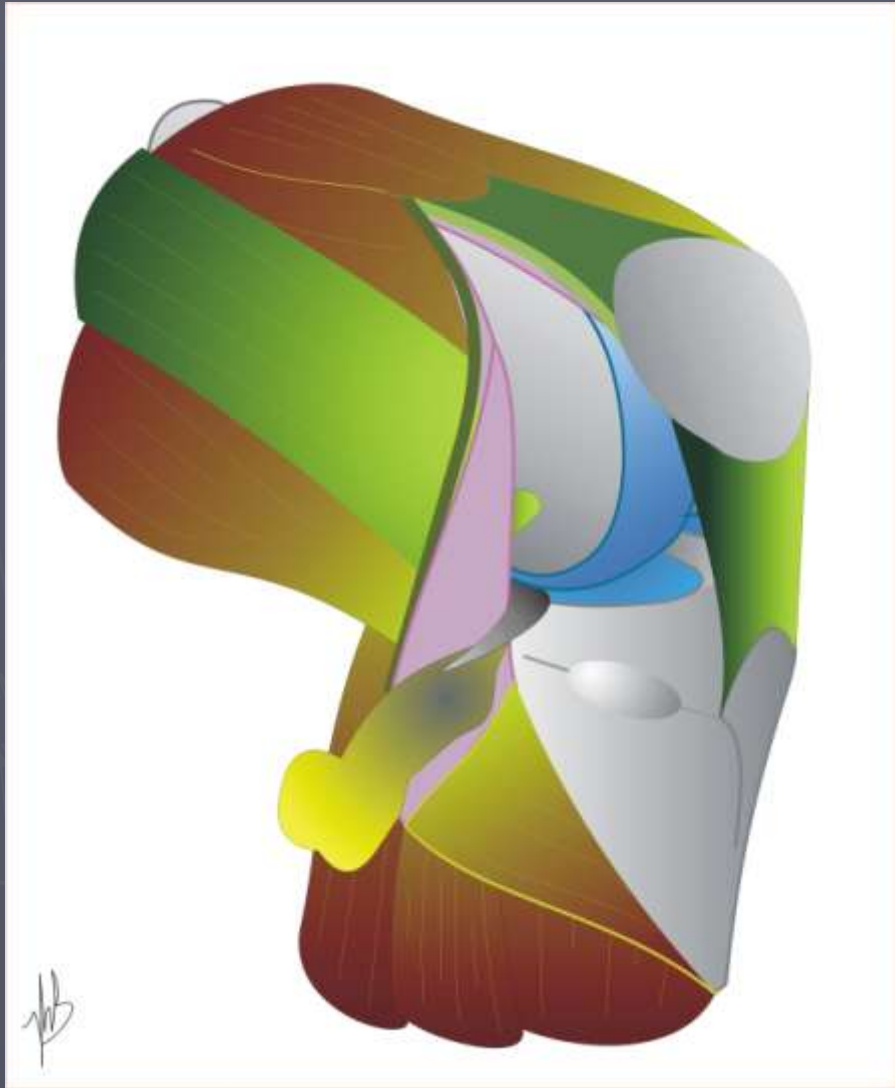
2 ЭТАП

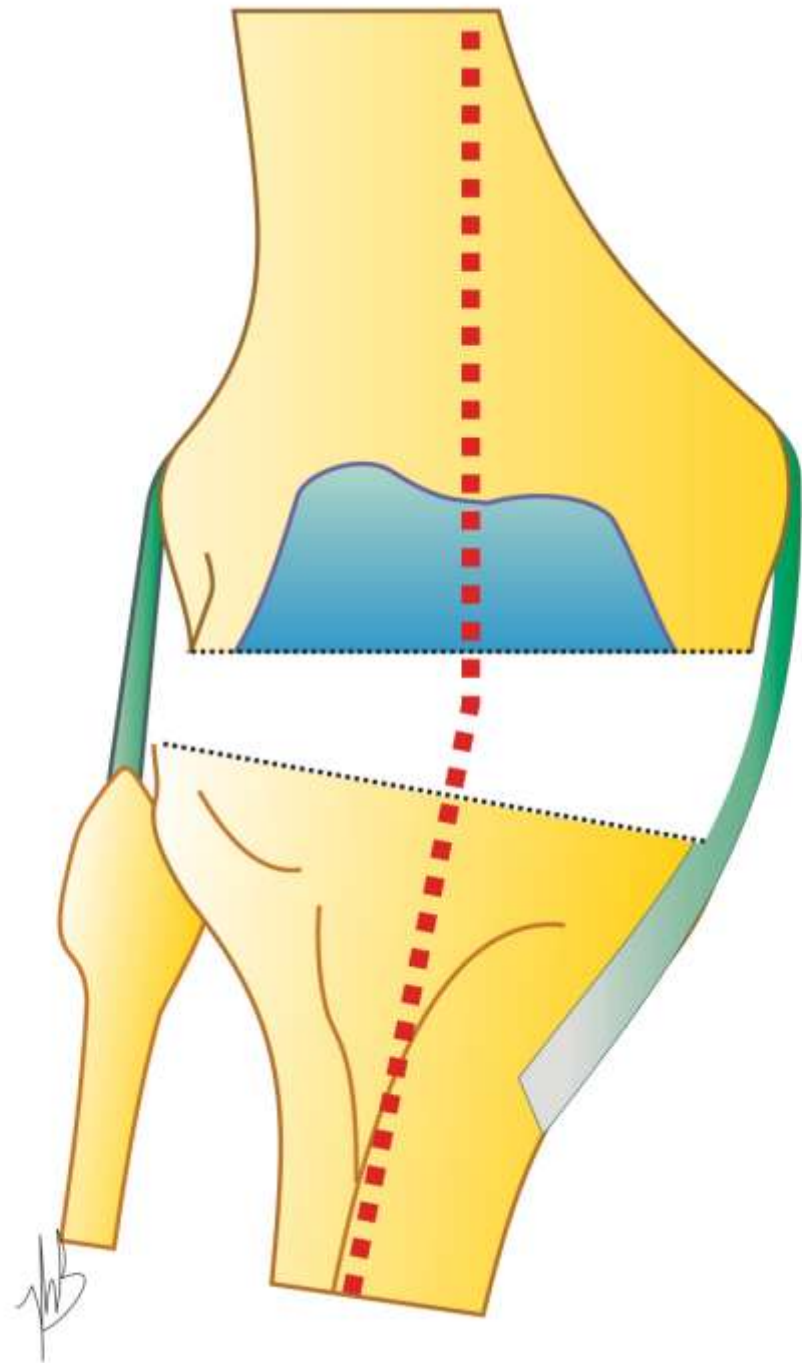
- ▶ ВАЖНЕЕ всего 'релиз' в разгибании
- ▶ Риск нестабильности в сгибании +++++

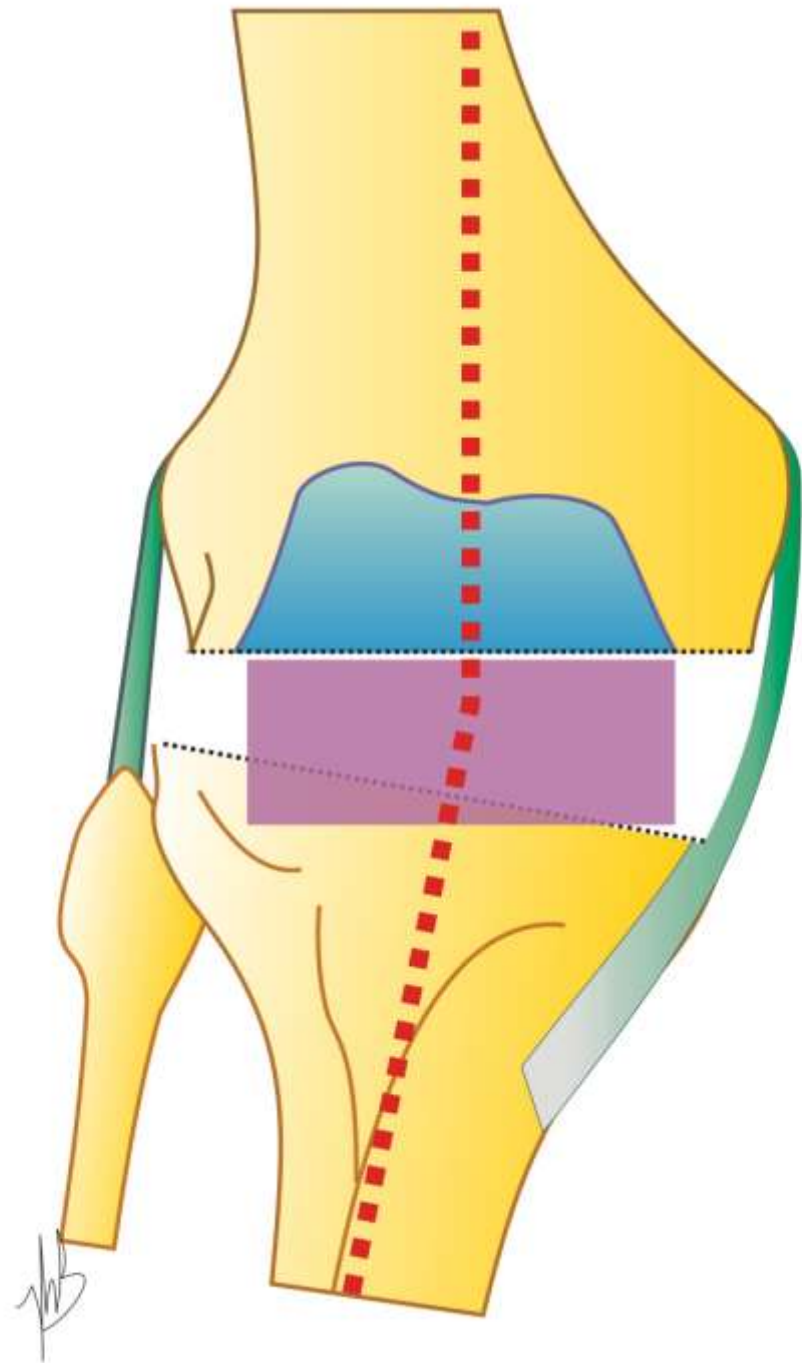
3 ЭТАП...

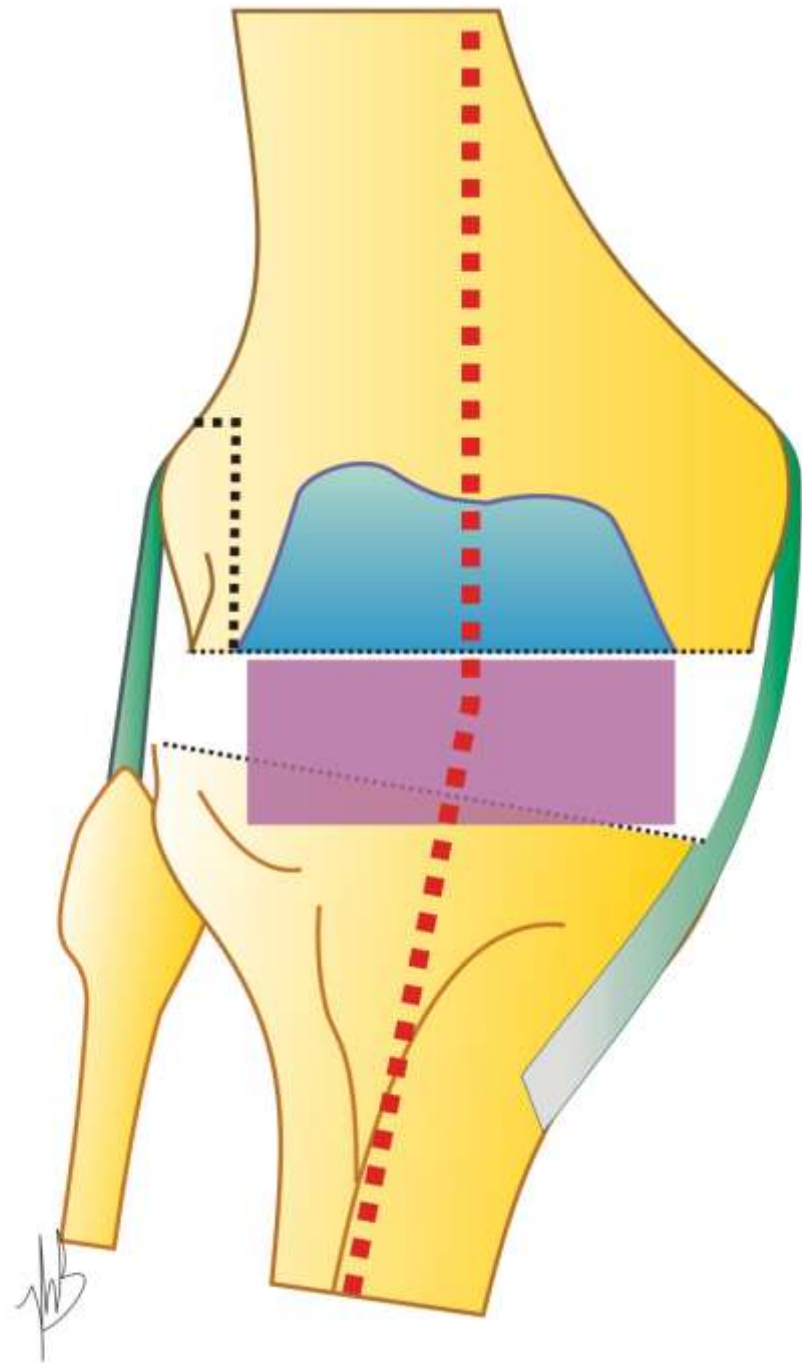
Скользкая остеотомия наружного мыщелка бедра

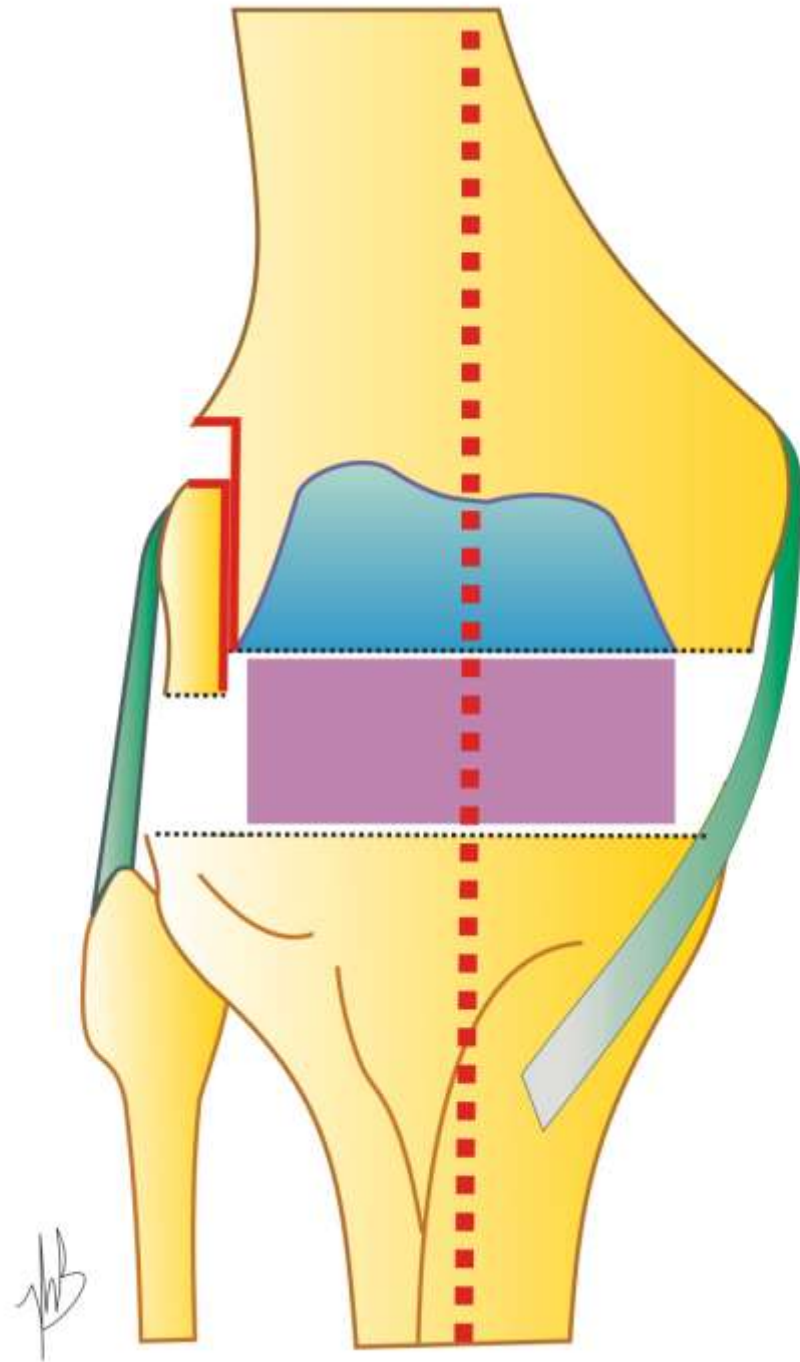
► Контролирует удлинение +++

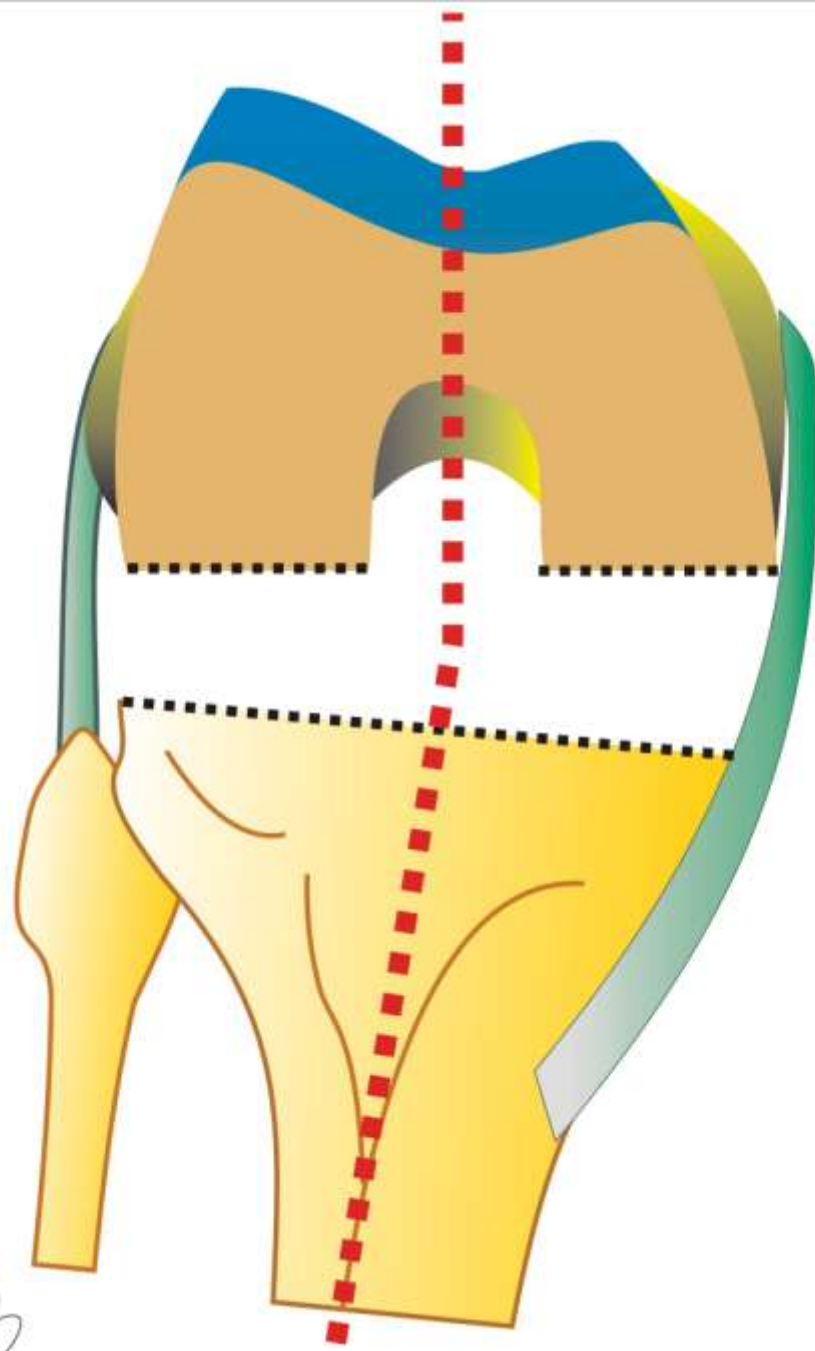




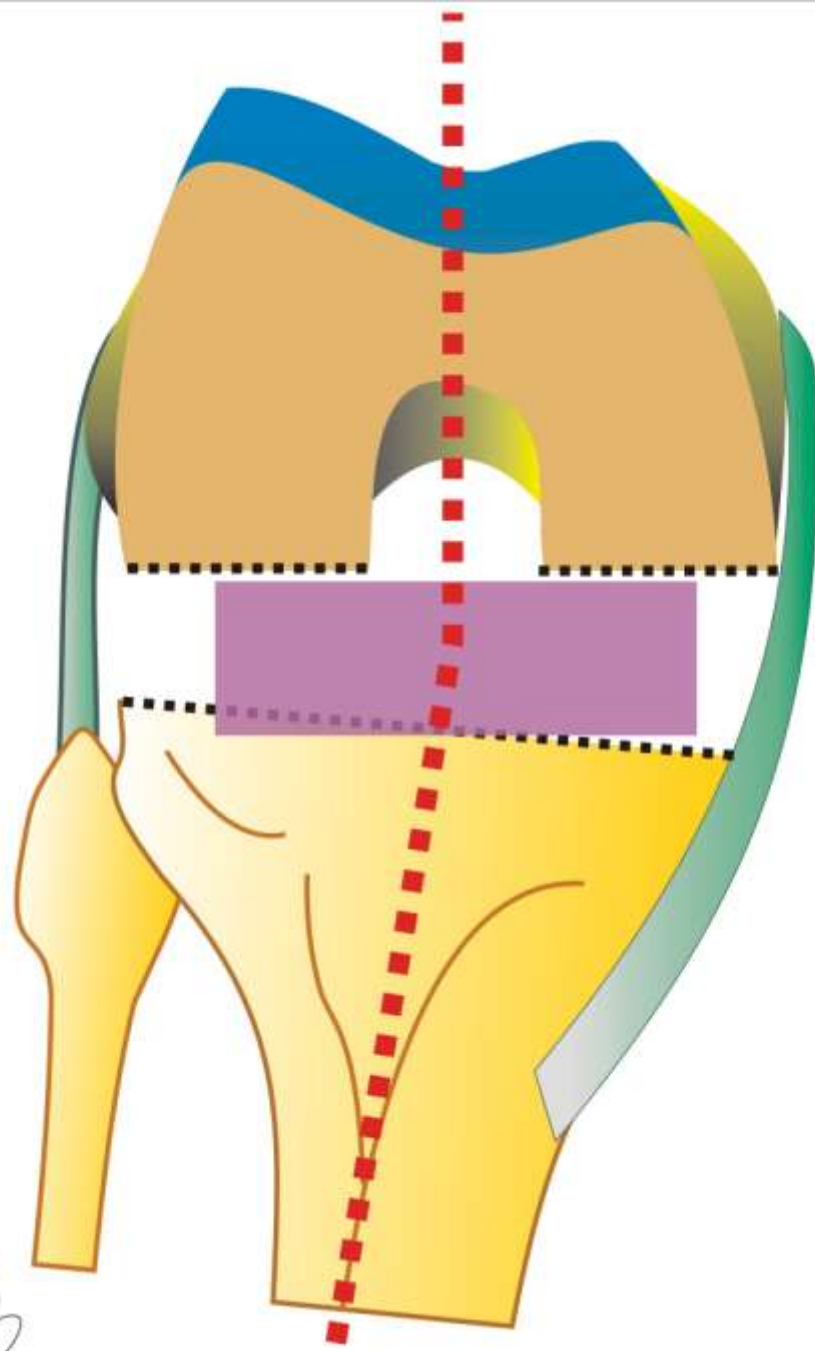


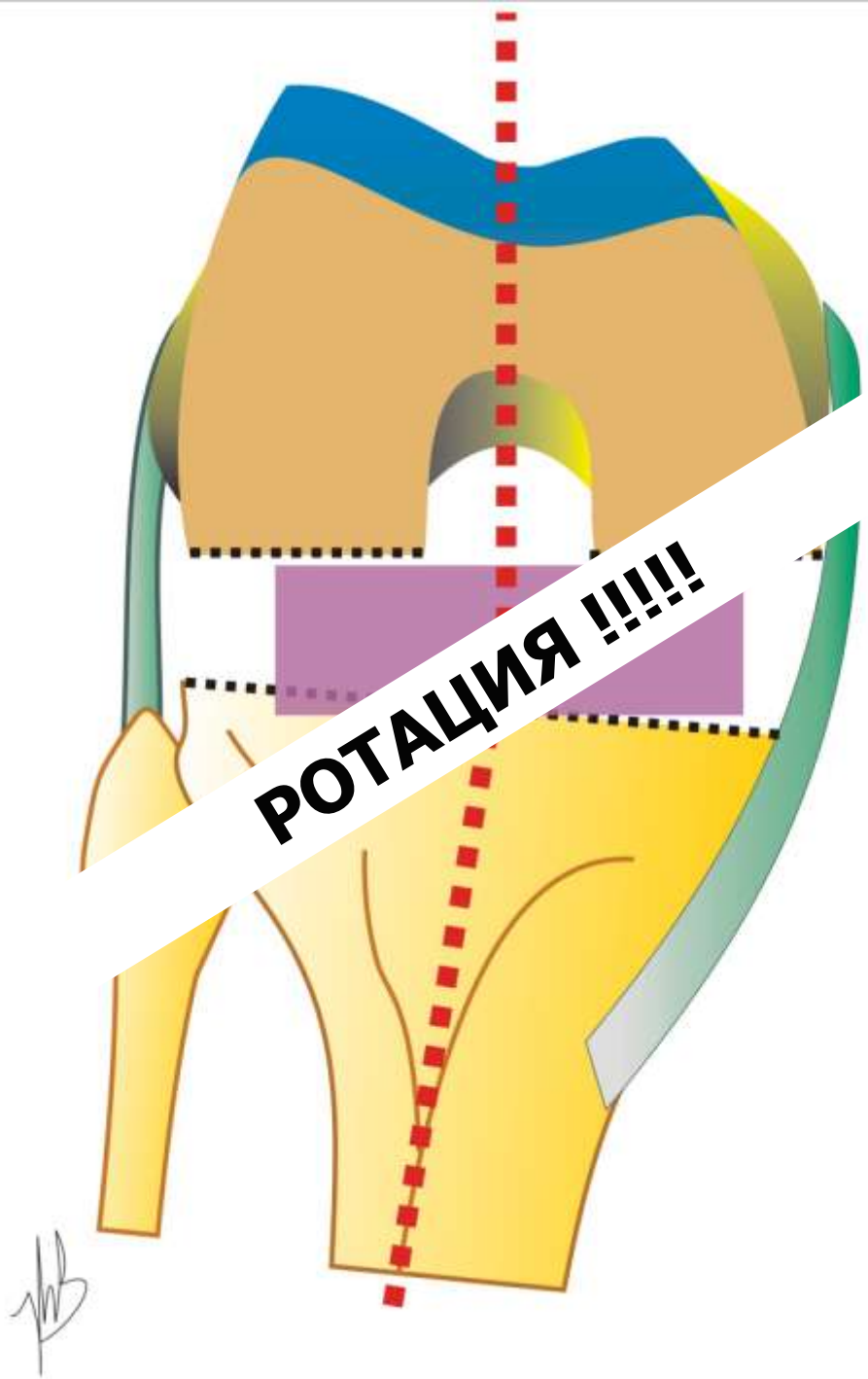






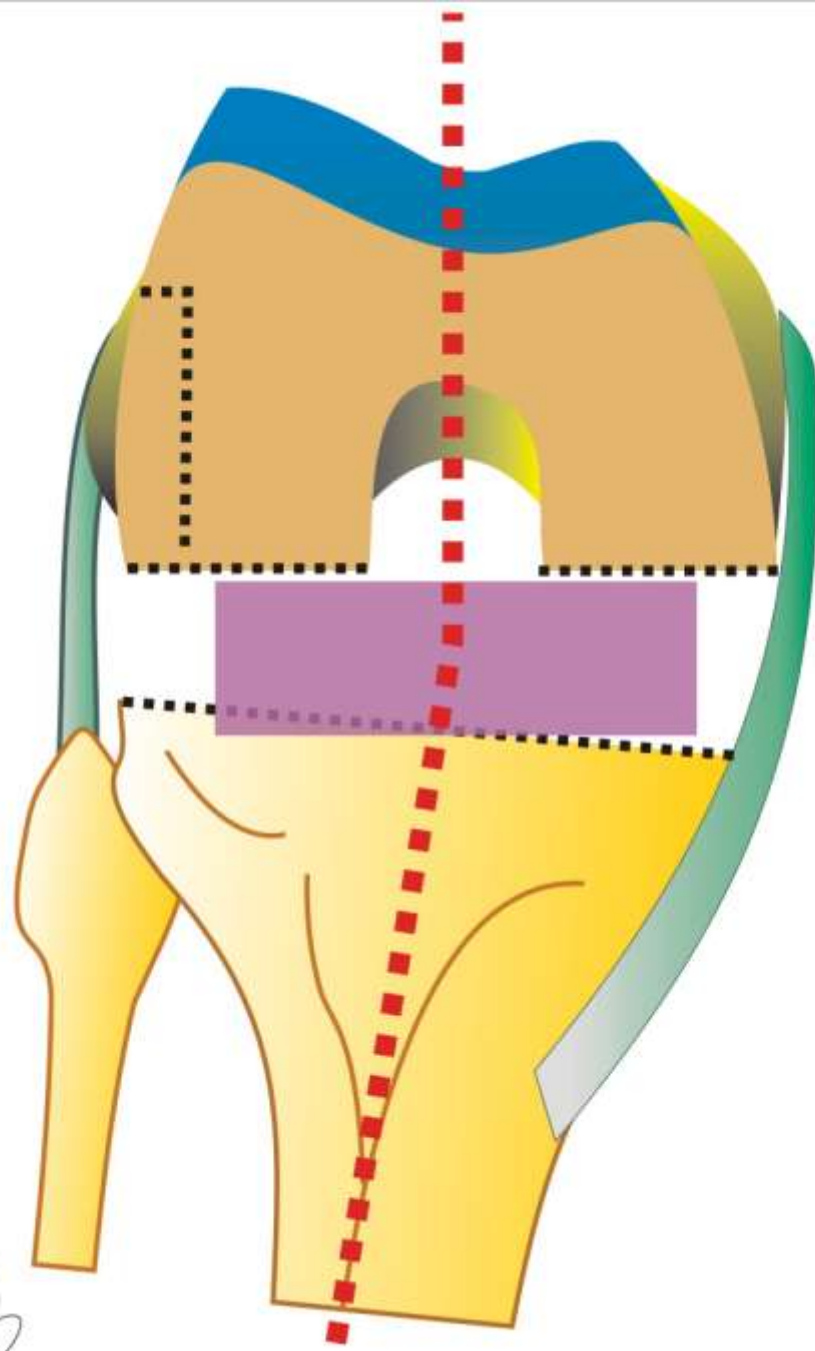
Handwritten signature or initials.

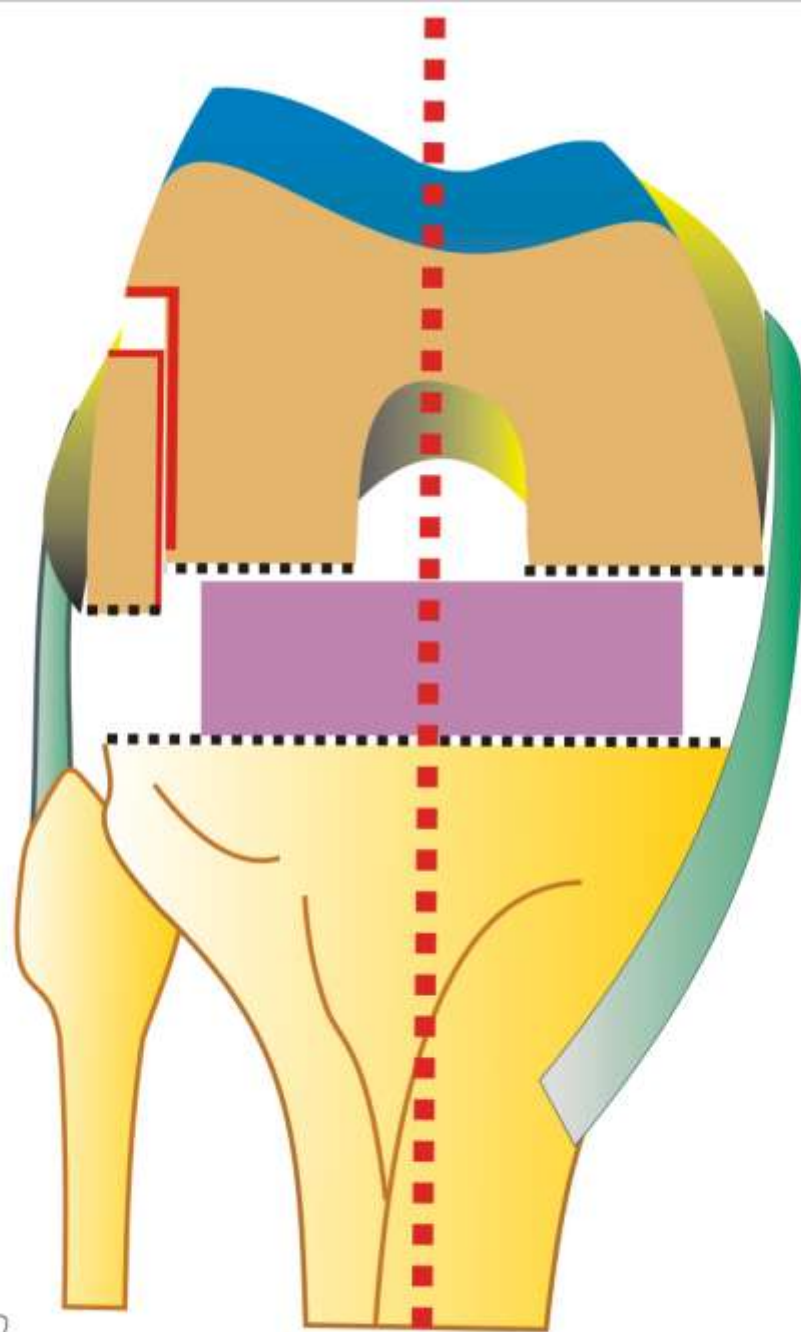




РОТАЦІЯ !!!

Handwritten signature





MB

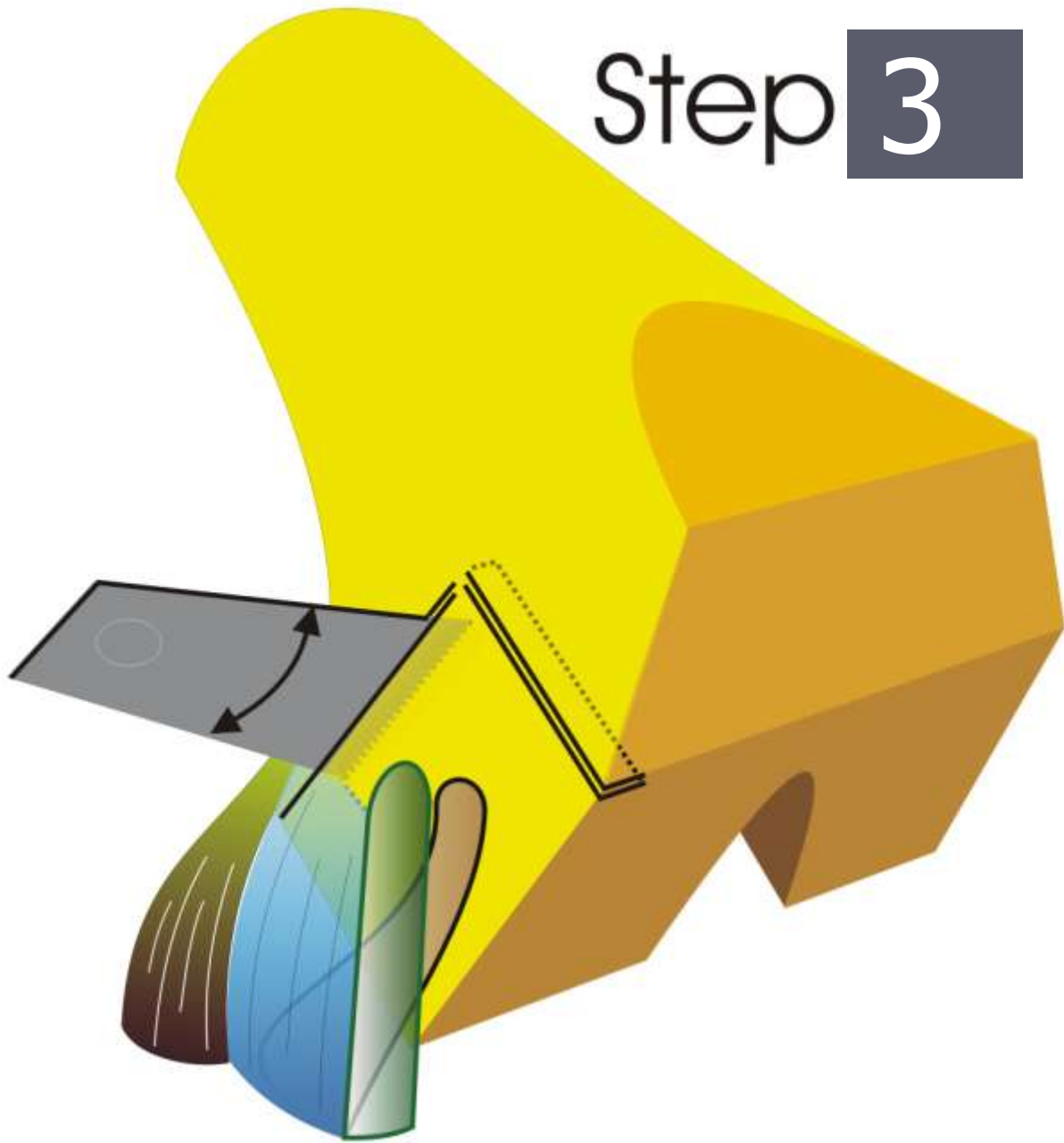
Step 1

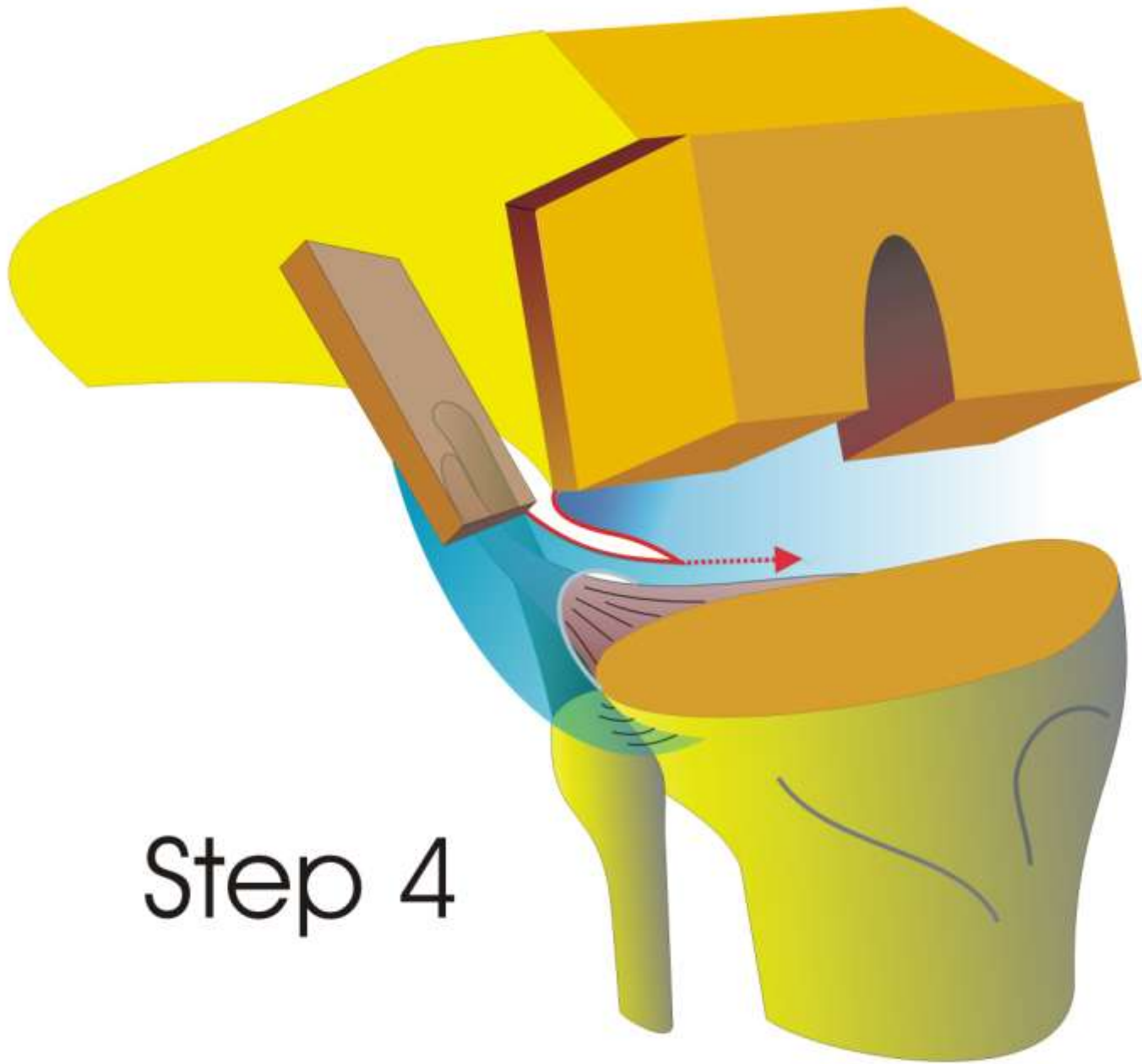


Step 2

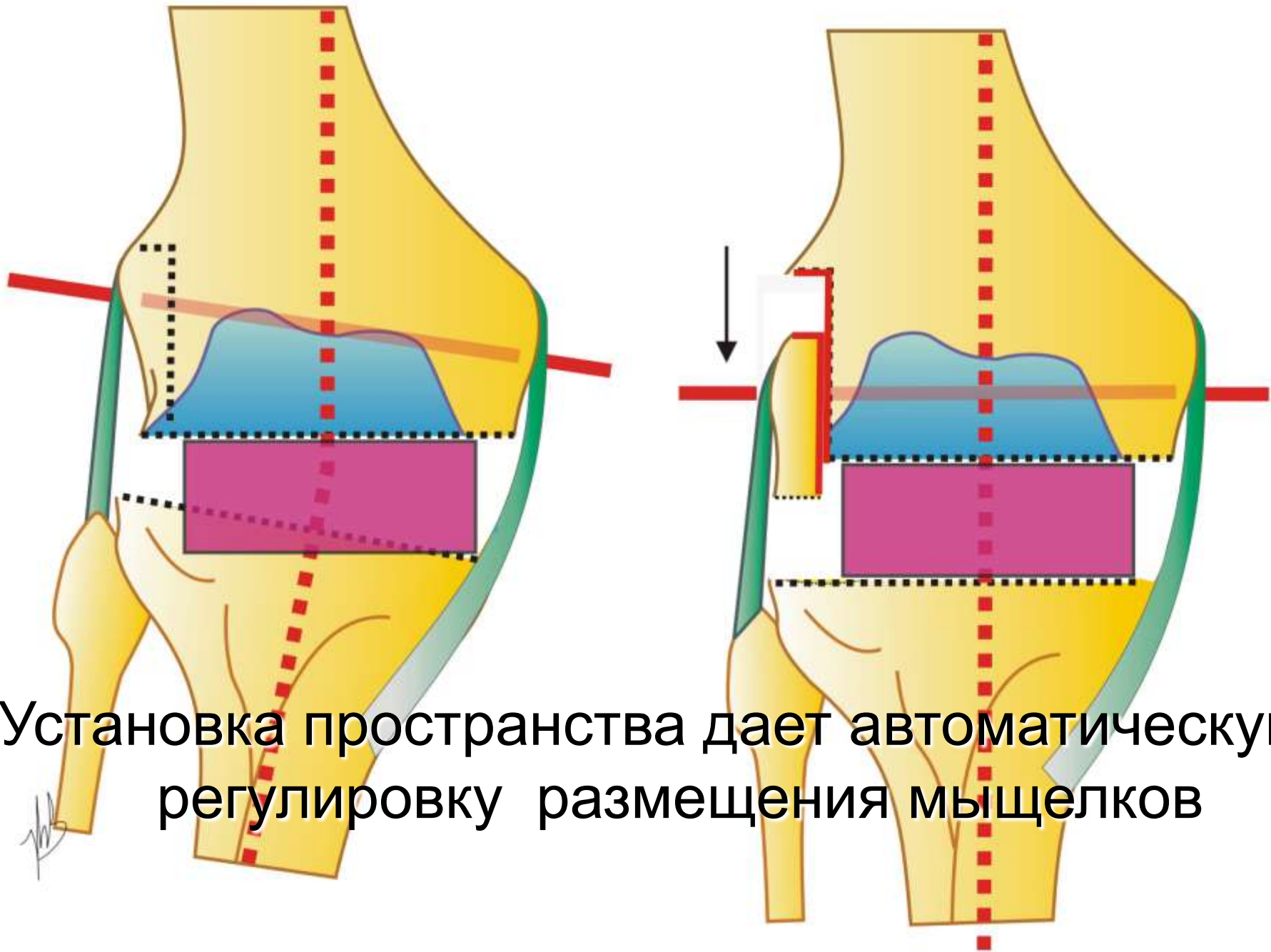


Step 3





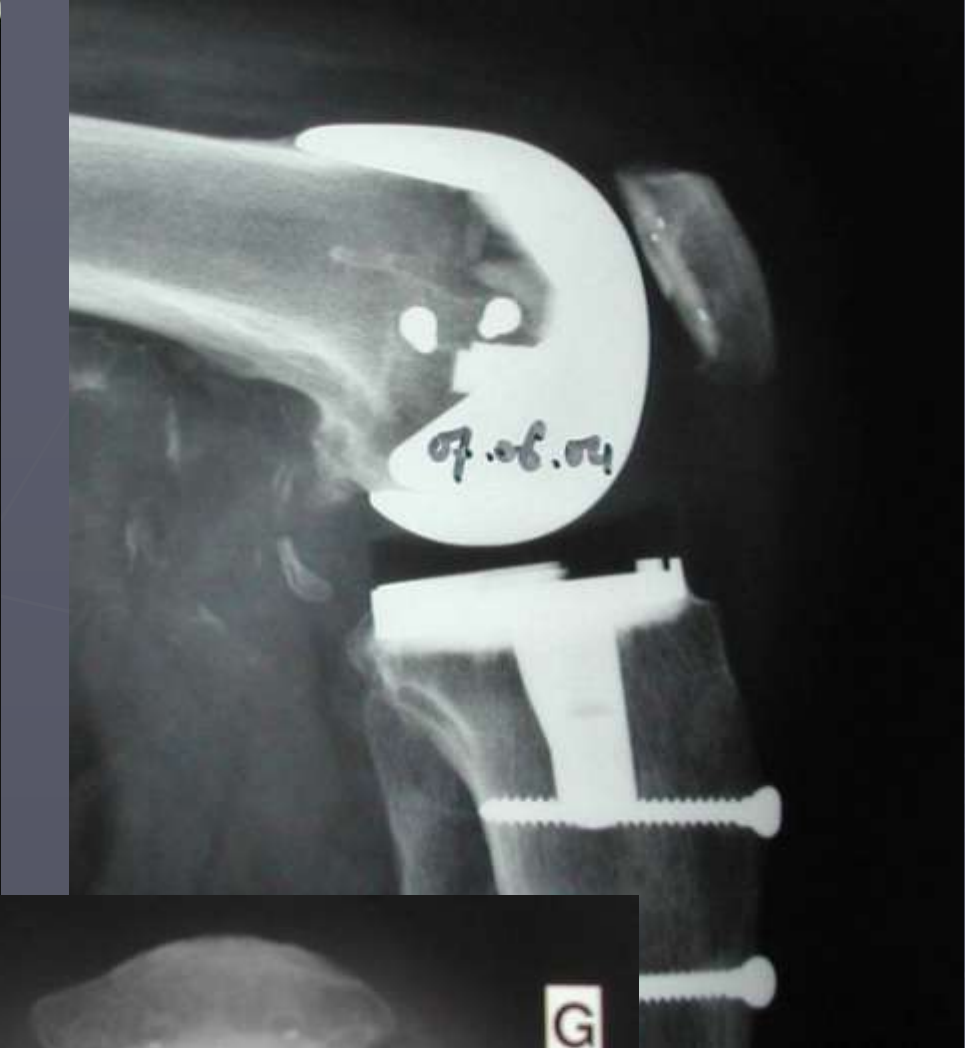
Step 4



Установка пространства дает автоматическую
регулировку размещения мыщелков

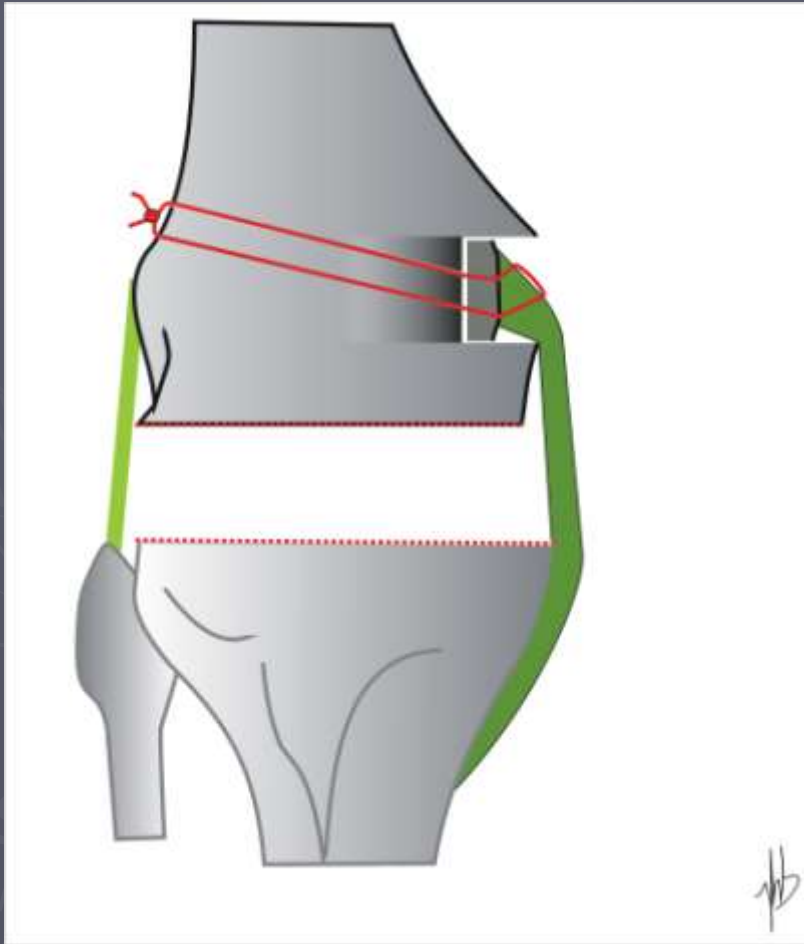




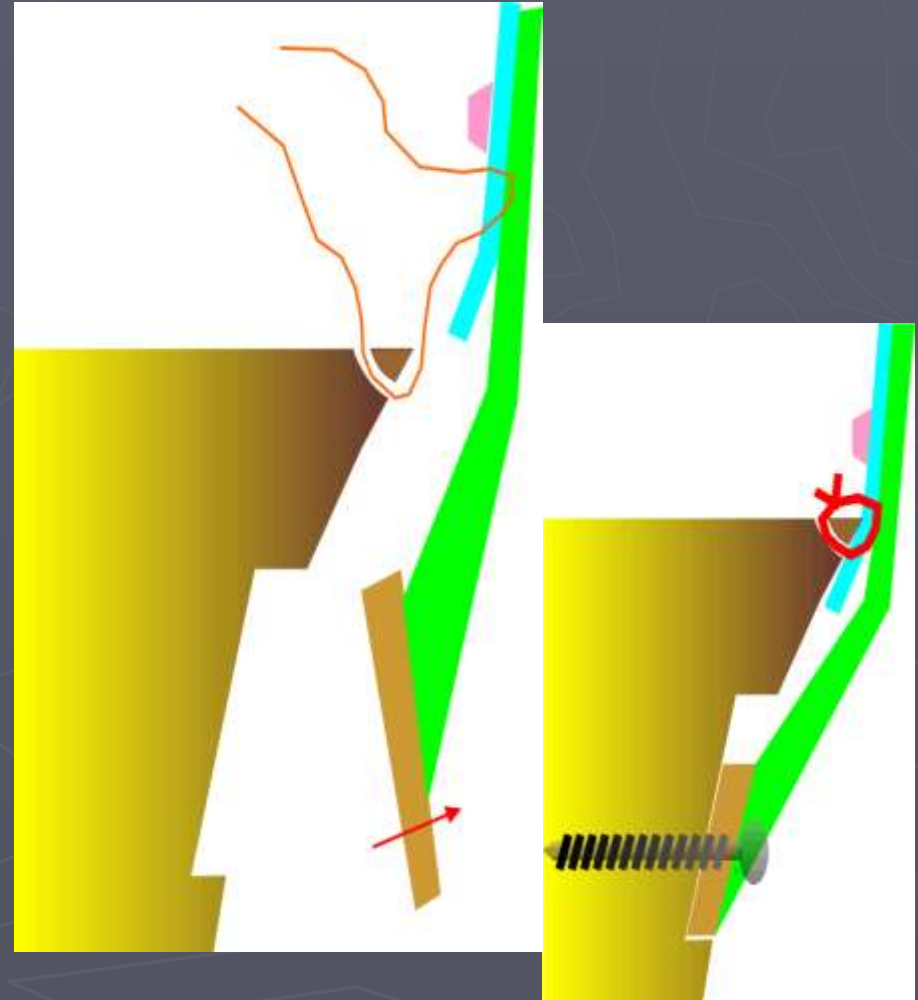


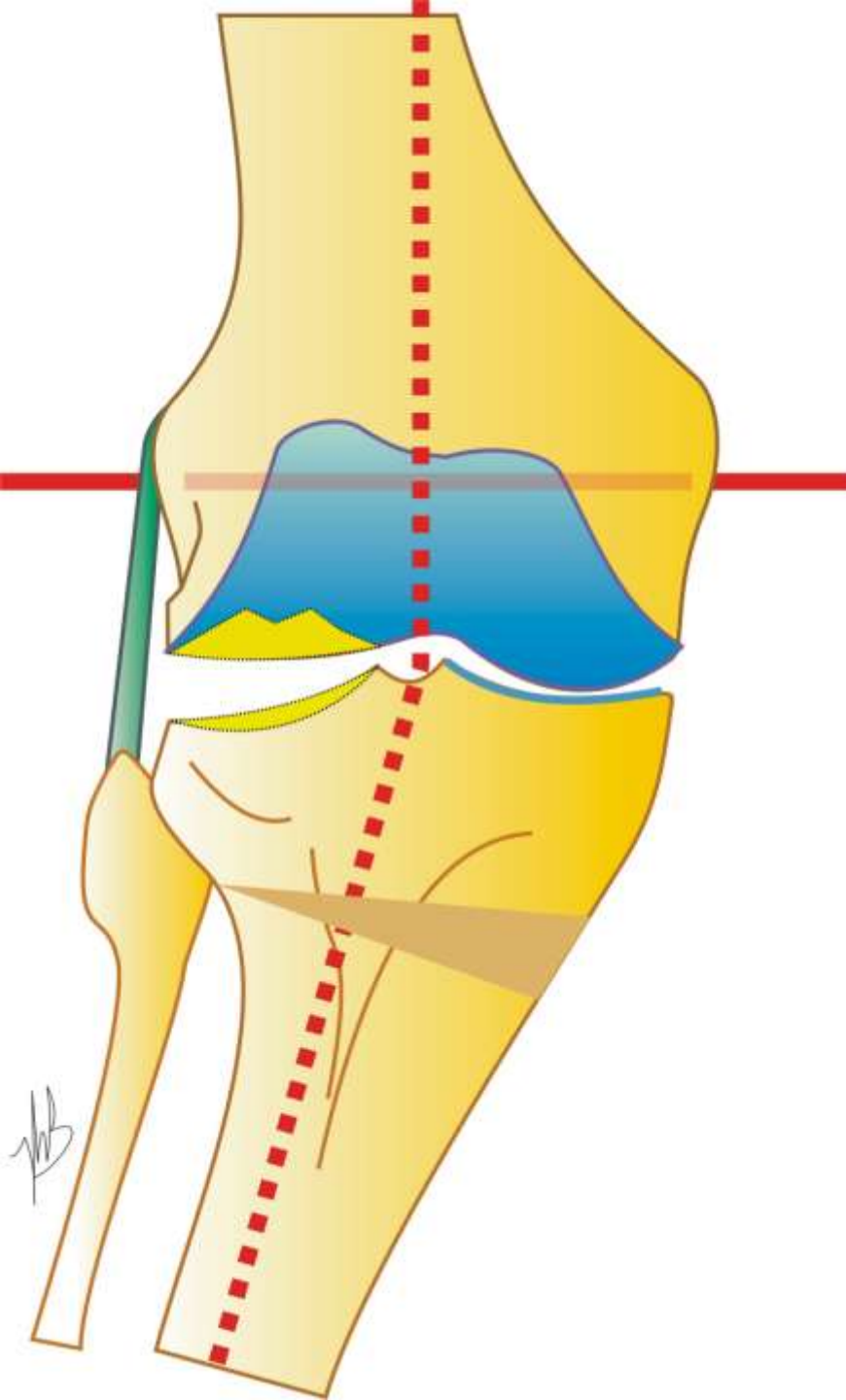
Как натянуть внутри ?

Вверху

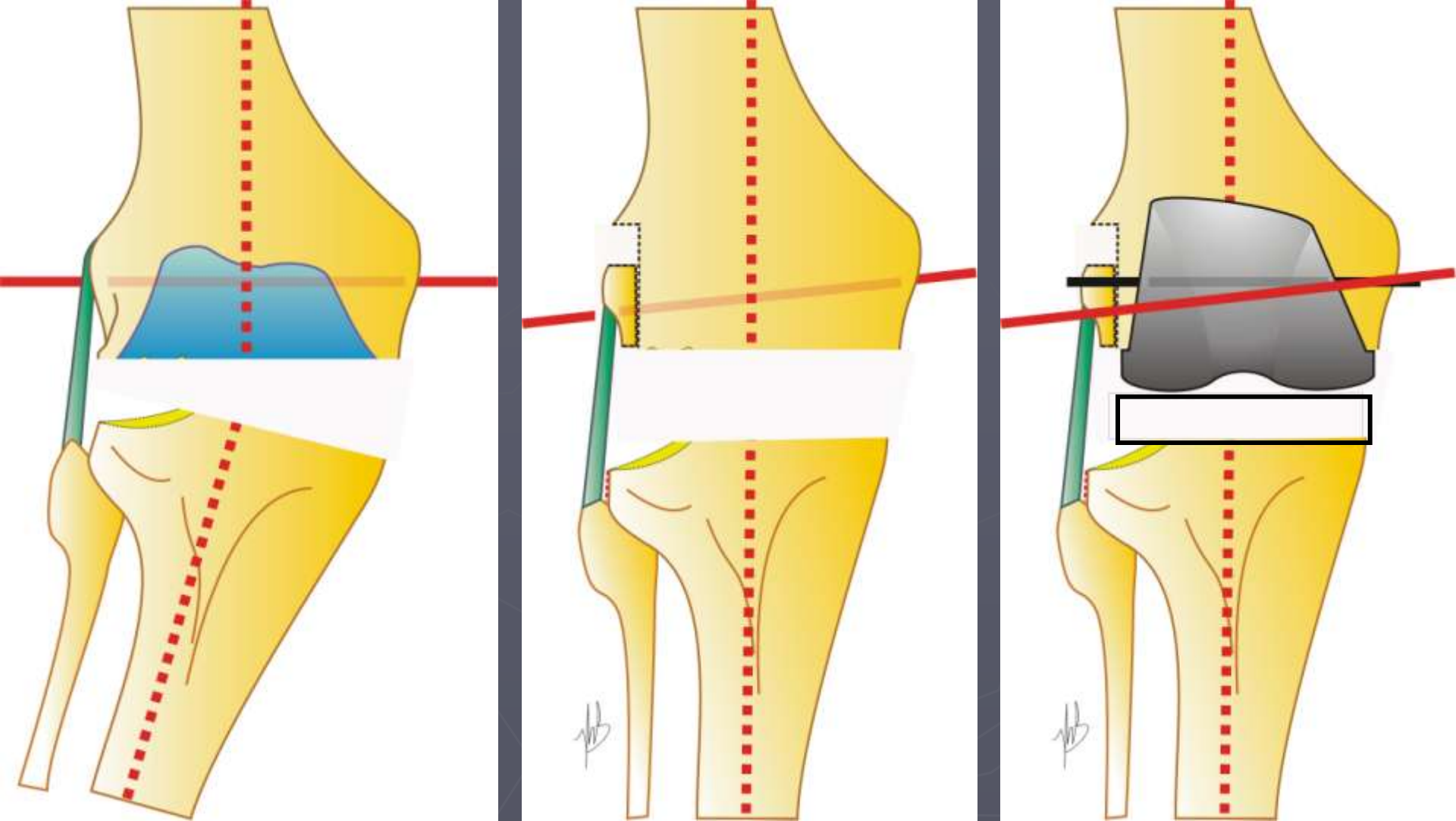


Внизу





Так как ось
сгибания-разгибания
колена в
нормальной
ситуации



Остеотомия мыщелка отклоняет ось сгибания-разгибания колена, такого протеза

Спасибо
За внимание!

