

<u>Designed to allow the best access</u> to an area of pathology whilst safeguarding important surrounding structures

2

SURGICAL APPROACHES FOR KNEE ARTHROPLASTY

Medial parapatellar arthrotomy SURGICAL APPROACHES FOR KNEE ARTHROPLASTY SURGICAL APPROACHES FOR KNEE ARTHROPLASTY

3 4

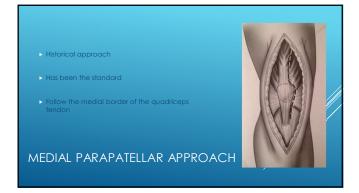
SURGICAL APPROACHES FOR KNEE ARTHROPLASTY







7



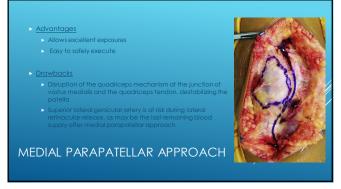
Along the length of the quadriceps tendon, leave a 3- to 4-mm cuff of tendon on the vastus medialis for later closure

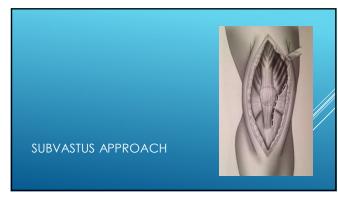
Incision is continued around the medial side of the patella, extending to the antero-medial surface of the libia along the medial border of the patellar tendon

Report 2, Arthonomic média. 1. Troba quadropal; 2 addesse is spent algren di findia; 7 made vete média.

MEDIAL PARAPATELLAR APPROACH

9 10







The vastus medialis inserts into the superior medial corner of the patella

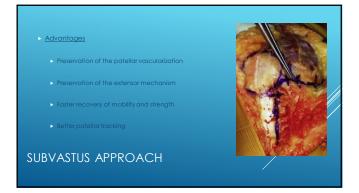
The fascia along the inferior border of the vastus medialis is incised from the patella down to the medial intermuscular septum

The arthrotomy continues distally along the medial margin of the patella

The medial retinaculum is incised along the medial border of the patellar tendon and down onto the fibia

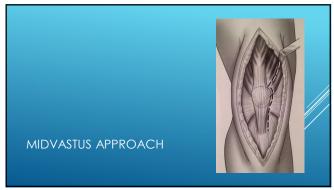
SUBVASTUS APPROACH

13 14

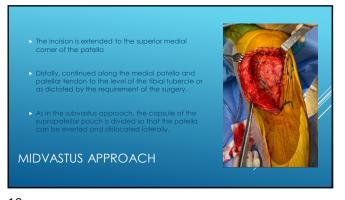




15 16







Functional outcomes have not been proven to be superior in the long term

Advantages:

Respect of the extensor mechanism and the patellar vascularization
Easier to evert the patella with the midvastus approach than with the subvastus approach
This approach splits the muscle well away from its neurovascular supply.

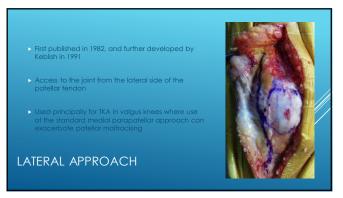
MIDVASTUS APPROACH

19 20

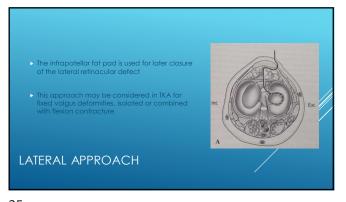


LATERAL APPROACH

21 22







Revision TKA

Bony or fibrous ankylosis

Trauma

Infection

DIFFICULT EXPOSURES

25 26

A standard medial parapatellar approach is used in most revisions

During eversion of the patella and flexion of the knee, the tibial insertion of the patellar tendon should be directly observed

If the medial fibers of the insertion begin to peel away from the tibial tubercle, tension should be released, and a more extensive, quadriceps-relaxing exposure should be considered.

DIFFICULT EXPOSURES

Quadriceps plasties
 Used to avoid Tibial tubercule asteotomy

DIFFICULT EXPOSURES

27 28

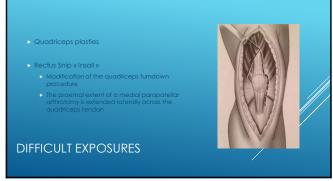
Pudatriceps plasties

Y-plasty « Coonse-Adams »

standard medial parapatellar retinacular incision with an additional limb extending as an inverted V across the quadriceps tendon through the lateral patellar retinaculum

useful in obtaining flexion in knees with quadriceps contractures from long-standing lack of flexion

DIFFICULT EXPOSURES





With careful planning and arthrotomy selection, the anterior aspect of the joint can be adequately exposed for knee arthroplasties in different clinical scenarios

In the choice of surgical approach for knee arthroplasties should be dictated by

It he presenting clinical scenario

In the training and experience of the surgeon

SURGICAL APPROACHES FOR KNEE ARTHROPLASTY

31 32

