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PROTHETIC

Head of the prostheses better too big or too small?

In case of stiffness: smaller (loosening of capsule)

In case of hyperlaxity / instability or strong correction of a glenoid retro/anteversion: bigger (stuffing)

In case of doubt: smaller

Baldrist





Combination head / glenoid:

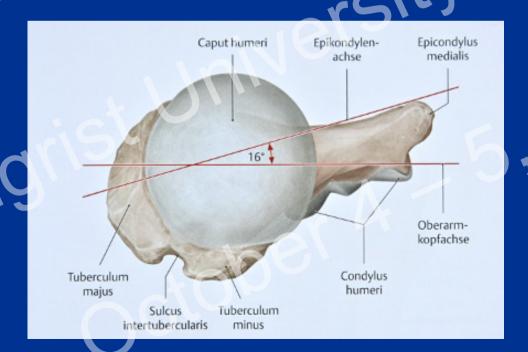
good: small head / big glenoid bad: big head / small glenoid

because of loosening of the glenoid



Retrotorsion of the head (i.e. torsion of humerus)?

normal: Anatomical Prosthesis: Inverse Prosthesis 18-25°, 45-74° (average approx 60°)
20°
approx. 0°





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Orientation of inverse prosthesis:

If antetorsion:

If retrotorsion:

Position of dislocation:

difficult to reduce, 5 posterior impingement

risk of dislocation

Internal rotation, adduction or abduction









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Anteversion glenoid, antetorsion head:

retrotorsion head:







If glenoid in anteversion: antetorsion of the shaft

If glenoid in retroversion: retrotorsion of the shaft



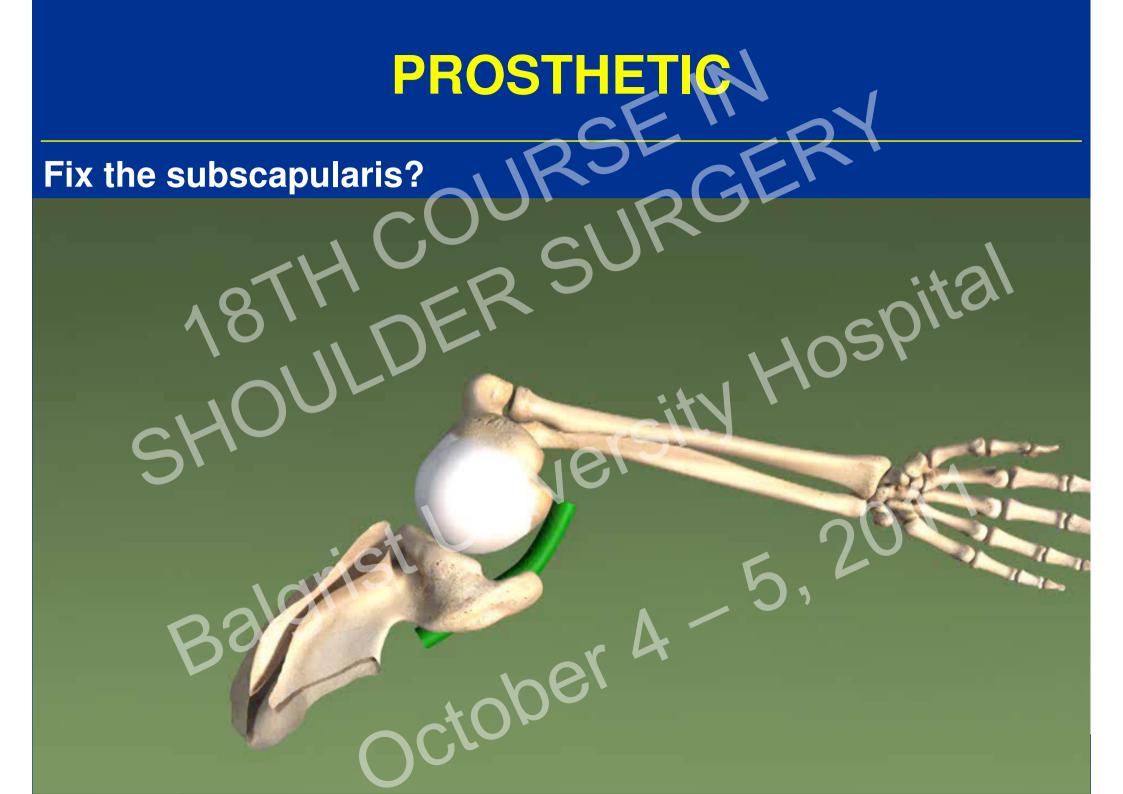


Shaft too long, cannot reduce inverse prosthesis:

- 1. Use smalles inlay possible
- 2. Relax patient
- 3. you may consider metaphyseal component with no offset or correct for torsion (if stable)
- 4. If still in trouble:
- Consider distraction clamp (from rotator cuff repair or arthrodesis distractor).
- Danger of later acromion fracture (!)

ctobel





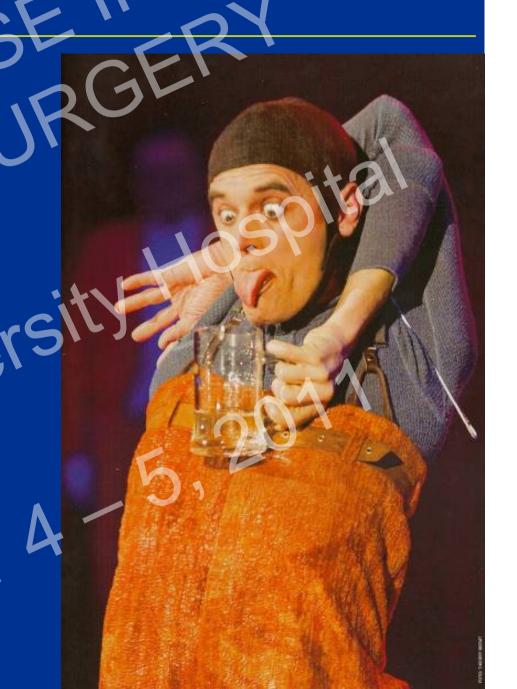
INSTABILITY

If there is an unstable hyperlax patient:

Do not correct laxity, only the defect causing instability

Otherwise, you may create osteoarthritis





INSTABILITY

Stabilization:
open versus arthroscopic
bony versus soft tissue

In case of doubt: bony more reliable than soft tissue

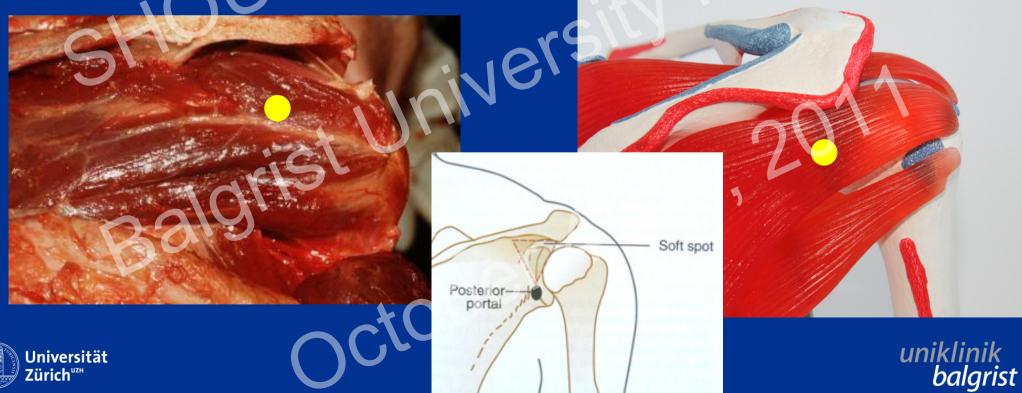


Portals:

posterior:

"soft spot" 2cm medial, 2cm inferior: Can be easier in IR, more medial, better piercing of muscle.

look for the acromion and feel the head





2cm medial, 2cm inferior of acromion



more lateral: problems with posterior cuff, problem to pierce the cuff, less mobility **but**: better for subacromial, easier to find the bursa



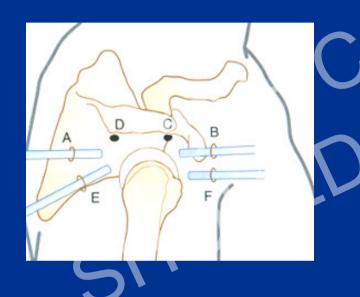
ARTHROSCO

Where is it safe to place the posterior portal?





Portals anterior and lateral:



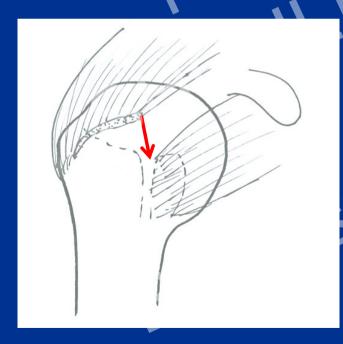


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First repair side to side (close buttonhole) then repair tendon to bone

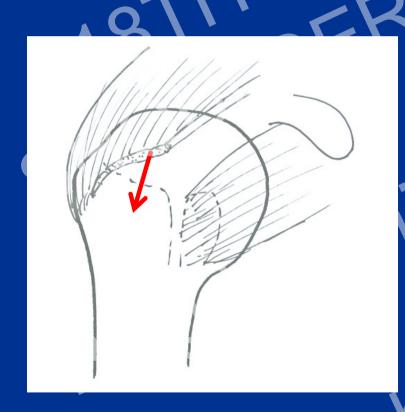


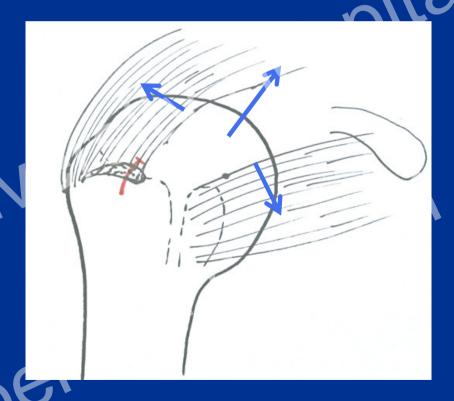






If closing the interval is not possible, partial repair may be an option, but there is a risk that the head pushes through the buttonhole







If you cannot bring the cuff to the footprint after extensive release: 1. consider debridement particularly if there was good function 2. consider partial repair try to bring the posterior to the anterior 3. consider augmentation of the cut difficult, expensive 4. consider medialization maximal 1.5cm



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- 2. consider partial repair

try to bring the posterior to the anterior edge

- 3. consider augmentation of the cust
- difficult, expensive
- 4: consider medialization of the cuff

maximal 1.5cm





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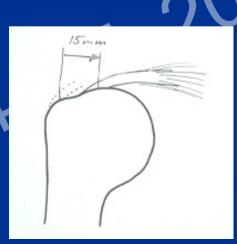
3. consider augmentation of the cuff

difficult, expensive

4. consider medialization of the cuff

maximal 1.5cm





Pseudoparalysis is treated with rotator cuff repair

but

Pseudoparalysis is a contraindication for rotator cuff repair





- 1. Painful pseudoparalysis?

 If yes, inject with 10cc Lidocain and see. Exclude stiffness.
- 2. When painfree:

Bad for cuff repair:

Dynamic anterosuperior subluxation

Cranialization <7mm

Patient cannot hold the arm at 90° Abduction.

Chronic situation

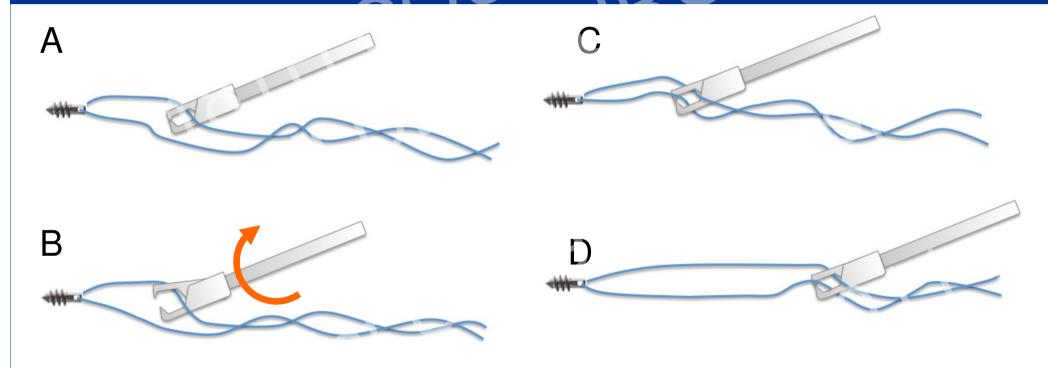
Good cuff for repair:

Patient can hold the arm in 90° Abduction (moderate)

Patient can bring the arm to 90° Abduction Acute injury, previous good function



untangling of sutures:

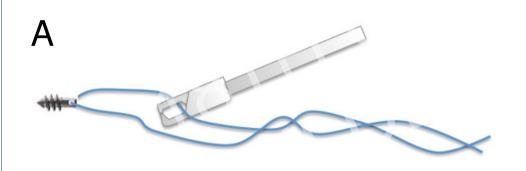


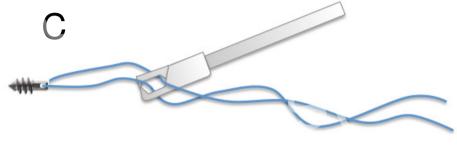
Bang october A



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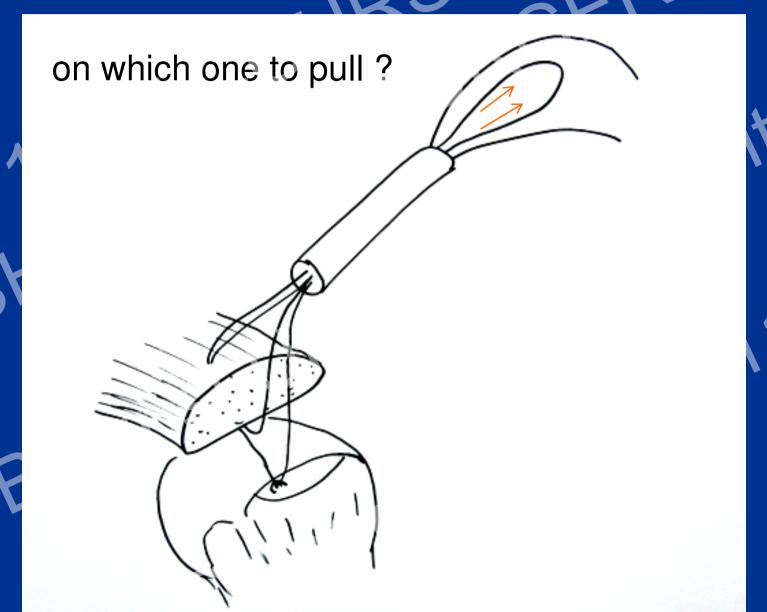
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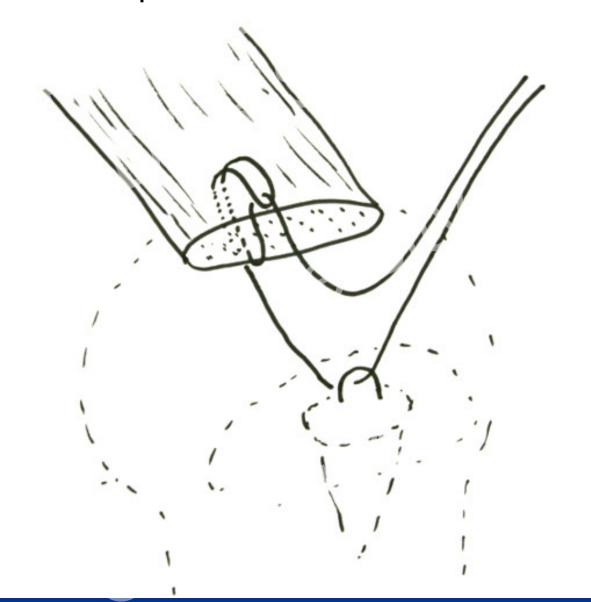






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which one as post? mobile vs non-mobile suture





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