UVA 2nd Annual Research Retreat

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Slides courtesy Steve Brockmeier and Joe Park
Rotator Cuff Tear and Repair

University of Virginia Orthopaedic Surgery
Challenge – large, chronic tears
Too Late: Arthropathy

University of Virginia
Orthopaedic Surgery
Chronic, retracted cuff tear leads to:

- Shortened cuff tendon
- Muscle atrophy
- Fatty, fibrous replacement
- Nerve supply compromised by retraction

- Options exist for tendon defect
- NO OPTIONS FOR MUSCLE LOSS
Scope view – cuff edge retracted
Repair with GraftJacket Augment
RCR with BioFiber Augment
RCR with BioFiber Augment
Related examples

• Foot and ankle
• 64 yo retired surgeon with 1 month of worsening achilles pain/weakness after 1 year of pain/swelling.
7 cm defect within achilles tendon within area of severe tendinopathy
• Taken to OR for:
  – Central 1/3 turndown (10 cm graft)
  – Debridement of distal tendon
  – FHL tendon transfer
14 cm central turndown (free graft)
The challenge

- Chronic tendon tears result in atrophied, shortened muscle
- Tendon reattachment
  - Grafts and substitutes
- Muscle Restoration
- Innervation
- Function