53 yo F with right shoulder pain x7 months after fall.
MRN: 29112743

Ashley Burt
Aponeurotic expansion of supraspinatus tendon
• Retrospectively reviewed 150 consecutive MRIs (1.5-T system)
• Characterized appearance
• 25 cadavers with ultrasound
  – If aponeurotic expansion is seen -> dissection
Aponeurotic expansion of the supraspinatus tendon

- Anterior & lateral to LHB in groove
- 49% of reviewed MRIs
  - Type 0: absence
  - Type I: thin flat
    - 35%
  - Type 2A: Oval <50%
    - 10%
  - Type 2B: Oval >50%
    - 4%
Type 2A

Type 2B

Moser
Cadaver Evaluation

- Seen on US: 28/50 shoulders
- Present at dissection: 20 shoulders
- Originate anterior, superficial supraspinatus tendon -> insert pectoralis major tendon
Aponeurotic expansion of the supraspinatus tendon

Organized collagen fascicles

Moser
Aponeurotic expansion of the supraspinatus tendon

- No gender predominance
- Bilateral ~79%
- Concurrent abnormal biceps 32%
  - Partial tear 56%
  - Complete tear 22%
  - Medial dislocation 22%
- Mimics split tear
Aponeurotic expansion of the supraspinatus tendon

- Previously described by Brody (1890) and Clark & Harryman (1992)
- Gheno et al: accessory biceps tendon
- Dierickx et al: intra-articular biceps tendon
References