Triaging the Injured Worker	Tear or Tendinopathy? Understanding the Spectrum of Rotator Cuff Pathology	
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Learning Objectives

- Gain a basic understanding of rotator cuff anatomy
- Understand the difference between rotator cuff tendinopathy and rotator cuff tears
- Learn early treatment algorithms when dealing with an injured worker with shoulder pain
- Learn clinical history and exam findings that alert you to consider subspecialty referral
- Appreciate the role of nonoperative modalities to treat shoulder injuries
- Learn the role of surgical intervention for shoulder injuries
- Understand postoperative rehabilitation and return to work strategies after surgery of the shoulder

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Rotator Cuff Anatomy

Ball and Socket Joint

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- Comparative Anatomy to Hip
- Less bony constraint, allowing for increased range of motion
- Highly reliant on soft tissues (labrum, capsule, muscle and tendon) for stability and range of motion



















Tendinopathy vs Tear: Comparison Rotator Cuff Work Injury: History • Details of the Injury Tendinopathy Tear Slow, progressive or sudden, acute injury Often insidious onset Acute Onset High energy injury or fall Overuse or excessive abduction Discrete event • Any previous surgery or pain? or overhead activities • Felt a "pop" Pain Assessment • Painful arc of motion, especially Often excruciating pain first Subjective and variable reaching behind back night • Sleep quality the night of injury • Pain at night Difficulty lying flat Subacromial crepitus with · Ability to use arm with activities after the injury • Pain/Inability to move shoulder • Subacromial crepitus with motion 14







motion





• Determining the Effective Outcomes
• Market of the Effective of the Effective











Role of Subacromial Decompression/Acromioplasty

- Option of absolute last resort without other contributing "pain generators"
- MINIMUM 6 months of appropriate conservative care
- Procedure involves excising subacromial bursa, releasing hypertrophic coracoacromial ligament and smoothing/flattening the anterolateral acromion



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Rotator Cuff Repair

- Most commonly done arthroscopically
- Suture anchors used to repair tendon back to greater tuberosity Single and double row techniques
- May also recommend addressing other "pain generators" in the shoulder
 - Biceps tendon
 - Acromioclavicular joint

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Rotator Cuff Repair: Outcomes



2008 Oct;90(10):2105-13. doi: 10.2106/JBJS.F.00260. Patients with workers' compensation claims have worse outcomes after rotator cuff repair

R Frank Henn 3rd¹, Robert Z Tashjian, Lana Kang, Andrew Green

Conclusions: Patients with Workers' Compensation claims report worse outcomes, even after controlling for confounding factors. The present study provides further evidence that the existence of a Workers' Compensation claim portends a less robust outcome following rotator cuff repair.

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Rotator Cuff Repair: Outcomes 2021 Jul;49(8):2238-2247. doi: 10.1177/0363546520975426. Epub 2021 Jan 4. Return to Work After Primary Rotator Cuff Repair: A Systematic Review and Meta-analysis Eric D Haunschild 1, Ron Gilat 1, Ophelie Lavoie-Gagne 1, Michael C Fu 1, Tracy Tauro 1, Brian Forsythe ¹, Brian J Cole ¹ "Conclusion: The majority of injured workers

undergoing rotator cuff repair return to previous work at approximately 8 months after surgery. Despite this, >35% of patients are unable to return to their previous work level after their repair procedure."

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- Continued pain, stiffness and weakness
- Consider repeat MRI
- If rotator cuff intact, consider steroid injection
- If unable to return to previous level of work, consider Functional **Capacity Evaluation**
- May need to assign Permanent Restrictions
- Permanent Partial Disability often 10-20%
- Recurrent, irreparable rotator cuff tear may require Reverse Total Shoulder Arthroplasty

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THANK YOU!