

Presented by:
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656 Shoulder: From MRI Scan to OR Table. Does the Read Match the Surgical Findings?

0:00 Introduction of Mary Lloyd Ireland Orthopedic surgeon

0:30 Introducing Michael Otte

0:46 Shoulder: From MRI Scan to OR Table

2:20 No Disclosures

2:24 Menu

3:58 Imaging Decisions In MSK – Indication for Imaging

4:33 Imaging Decisions In MSK – Modalities

5:26 Clinical Indications for Musculoskeletal ultrasound –
Shoulder(Clinical indications for musculoskeletal ultrasound: A
Delphi-based consensus paper of the European Society of
Musculoskeletal Radiology;A Klauser,;A Tagliafico et.al/RaEur
Radiology (2012))

5:59 When Do I Order? Gadolinium – With or Without Intraarticular

6:52 Imaging Modalities – MRI

7:20 Scanner Types – Toshiba 3T 2017

8:47 Shoulder Arthroscopy (Shoulder Arthroscopy: Basic Principles of
Positioning, Anesthesia, and Portal Anatomy, Paxton, Scott E. MD;
Backus, Jonathan MD; Keener, Jay MD; Brophy, Robert H. MD., JAAOS June
2013 – Volume 21 – Issue 6 – p 332–342)

9:10 Outside In Needle Localization

9:19 Left Shoulder Arthroscopy Video

10:56 Arthroscopy Camera Position Example

11:01 Subscapularis & Biceps Rotator Interval

11:38 Anterior Ligaments Subscapularis

11:50 Biceps Tendon Left Shoulder Video

12:19 Normal Anatomy Tendons and Ligaments Video

12:35 Left Shoulder Biceps Tendon Scope Posterior Video

12:50 Do Arthrogram or Not? – ABER & FADIR

15:30 Anterior Labral Tears

15:39 ABER T1FS – anterior labral tear

16:16 Arm position, ER

16:45 Arm position, IR

16:58 Arm position hyper-abduction, IR

17:39 Example of A Tear of The Superior Labrum w/ Contrast

18:45 Biceps Glenoid Labrum Complex(1948: Hitchcock HH and Bechtol CP,
“Painful shoulder: observation on a role of the tendon of the long
head of the biceps brachii in its causation,” JBJS 30–A: 263 (1948))

19:28 Shoulder Pain in a Thrower Biceps Tendon / Labrum

22:09 False Negative Labrum

23:28 Shoulder Long Head Biceps Tendon & Sonogram

24:22 Examples – False positive biceps
24:49 Buford Complex
25:13 Buford Complex – Example
25:18 SLAP Tear Buford Complex Video
27:35 Examples – False Negative SLAP tears
29:13 False Positives – Labrum
30:00 Example: False negative labral tear
31:48 Slap Lesions: 4 Types Originally Described
33:08 SLAP Type I Degenerative
33:19 Type III
33:23 Chronic SLAP & Anterior Instability
33:43 Bucket handle tear, labrum Video
33:53 Scope posterior Video
34:07 Anterior–inferior glenoid preparation, labral debridement Video
34:26 Removal unstable SLAP tissue Video
34:48 Mobilization of anterior–inferior capsuloligamentous complex,
labral debridement Video
35:11 Post–repair, arthroscope posterior Video
35:22 Glenoid : Labrum
35:42 Surgical Stabilization
35:59 Concept of Glenoid Track
36:53 Hill–Sachs Interval (HSI) = HS width + bone bridge
37:35 Use of CT to assess glenoid bone loss(From Griffiths J et al.
AJR 2003; 180:1423–1430)
37:56 Use of MR to assess glenoid bone loss(From Lee RK, et al.
Radiology 2013; 267:496–502)
38:24 Treatment Paradigm(according to Burkhart)
38:46 Assessing Hill–Sachs Deformities (“On–Track” vs. “Off–Track”)
39:26 15 YO Football Player Linbacker Multiple Shoulder Dislocations
Reduced by Coach
40:00 Bankart lesion and capsular insufficiency
40:07 Preparation of the glenoid, mobilization of capsuloligamentous
labral tissue from scapular neck
40:40 Suture management, 2 anchors with 4 sutures and capsulorrhaphy
sutures inferior and rotator interval
41:08 Posterior labral tears
41:18 Left Shoulder Anterior Scope Posterior Video
41:57 Complete RC tear surgery Video
43:10 Types of Tears(Jobe FW. Operative techniques in upper extremity
sports Injuries. Mosby, 1996, p.225. Fig. 7–59.)
43:34 Shoulder – Supraspinatus Tear
44:46 Shoulder– Subacromial impingement
45:28 False positive supraspinatus
45:45 False Positives – cuff
46:09 Biceps Normal Rotator Cuff Tear Video
47:27 Subscapularis Footprint(Nevada analogy by Stephen Burkhart,
M.D.)
47:34 Subscapularis & Biceps Instability Video
48:12 Clinical exam: subscapularis tear Video
48:46 Conclusions

49:42 MRI Scans of the Shoulder
51:14 Magic Angle Phenomena Explanation