

Insights Imaging (2010) 1:99–141
DOI 10.1007/s13244-010-0032-9

Musculoskeletal ultrasound: technical guidelines

Edited by The Ultrasound Subcommittee of the
European Society of Musculoskeletal Radiology (ESSR)

Referencia de procedimiento por US

MUSCULOSKELETAL ULTRASOUND

0033-8389/99 \$8.00 + .00

SHOULDER SONOGRAPHY

State of the Art

Sharlene A. Teefey, MD, William D. Middleton, MD,
and Ken Yamaguchi, MD

1606

This copy is for personal use only. To order printed copies, contact reprints@rsna.org

Comprehensive Shoulder US Examination: A Standardized Approach with Multimodality Correlation for Common Shoulder Disease¹

Matthew H. Lee, MD
Scott E. Sheehan, MD
John F. Orwin, MD
Kenneth S. Lee, MD

Shoulder pain is one of the most common musculoskeletal conditions encountered in primary care and specialty orthopedic clinic settings. Although magnetic resonance (MR) imaging is typically the modality of choice for evaluating the soft-tissue structures of the shoulder, ultrasonography (US) is becoming an important

Estandar para trayectorias de medición

Components of Standard Shoulder US Examination				
Examination Region	Structures Evaluated	Dynamic Patient Maneuver	Intervention	Common Indications and Diseases
Anterior	LHBT, SubST	Internal and external rotation (for LHBT subluxation or dislocation)	LHBT sheath injection	LHBT subluxation or dislocation, LHBT rupture, LHBT tendinitis or tenosynovitis, SubST tear
Superior	AC joint	Arm in neutral position, elbow bent and crossed over chest, and hand touching opposite shoulder	AC joint aspiration, corticosteroid injection	AC joint degenerative disease, posttraumatic injury, synovial cyst, synovitis
Anterolateral	SST, SASD	Abduction (for subacromial impingement)	SASD aspiration, corticosteroid injection	RC tear (SST), calcific tendinosis or tendinitis, subacromial impingement, SASD bursitis
Posterior	IST, TMT, RC muscle bulk (supraspinatus, infraspinatus, teres minor), SGN, posterior labrum (limited evaluation), glenohumeral joint (limited evaluation)	None	SGN cyst aspiration, corticosteroid injection, shoulder joint aspiration or injection	RC tear (IST, TMT), RC muscle bulk, SGN or paralabral cyst, glenohumeral degenerative joint disease, glenohumeral synovitis

Note.—AC = acromioclavicular, IST = infraspinatus tendon, SGN = spinoglenoid notch, SST = supraspinatus tendon, SubST = subscapularis tendon, TMT = teres minor tendon.