The shoulder. NRC disorders

Stefano Bianchi and Carlo Martinoli

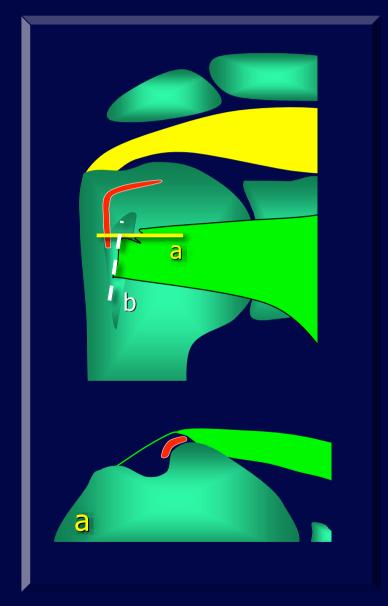
Fondation des Grangettes, Genève, CH stefanobianchi@bluewin.ch

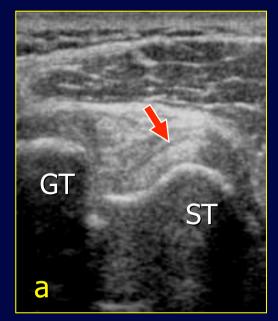
Università di Genova, Genova, I martinoli@zeus.newnetworks.it

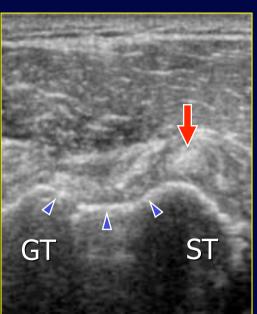
Is there a place for MSUS in the assessment of the non rotator cuff lesions of the shoulder?

LHBT
Bones
Arthritis, bursitis
Nerve lesions

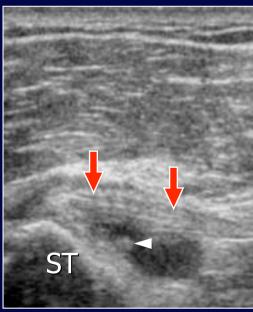
LHBT





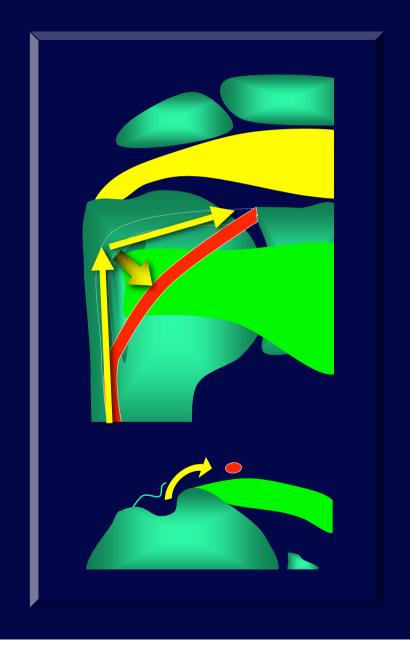


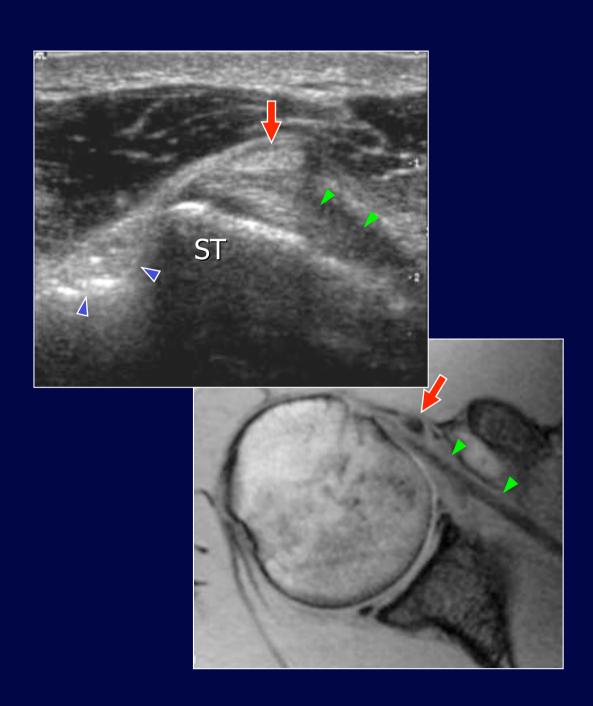
Subluxation

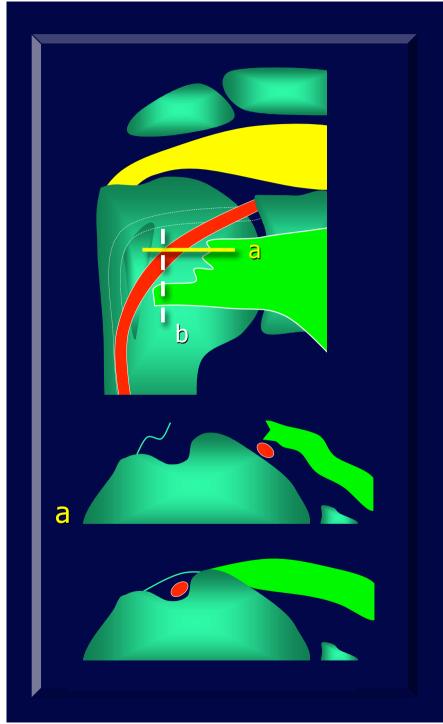


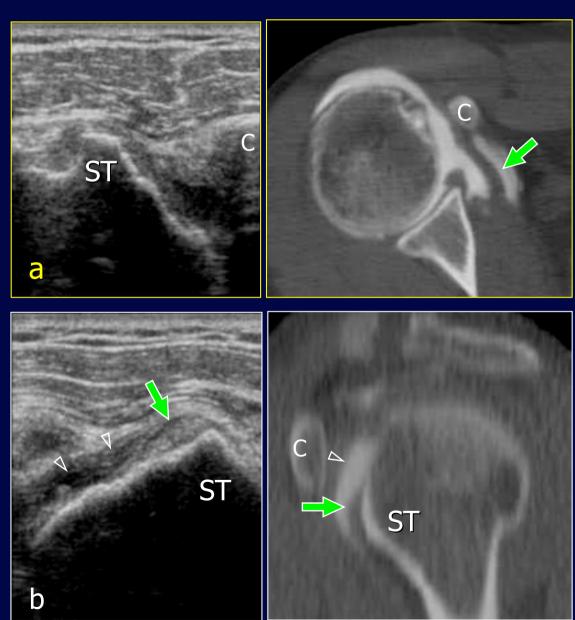
b

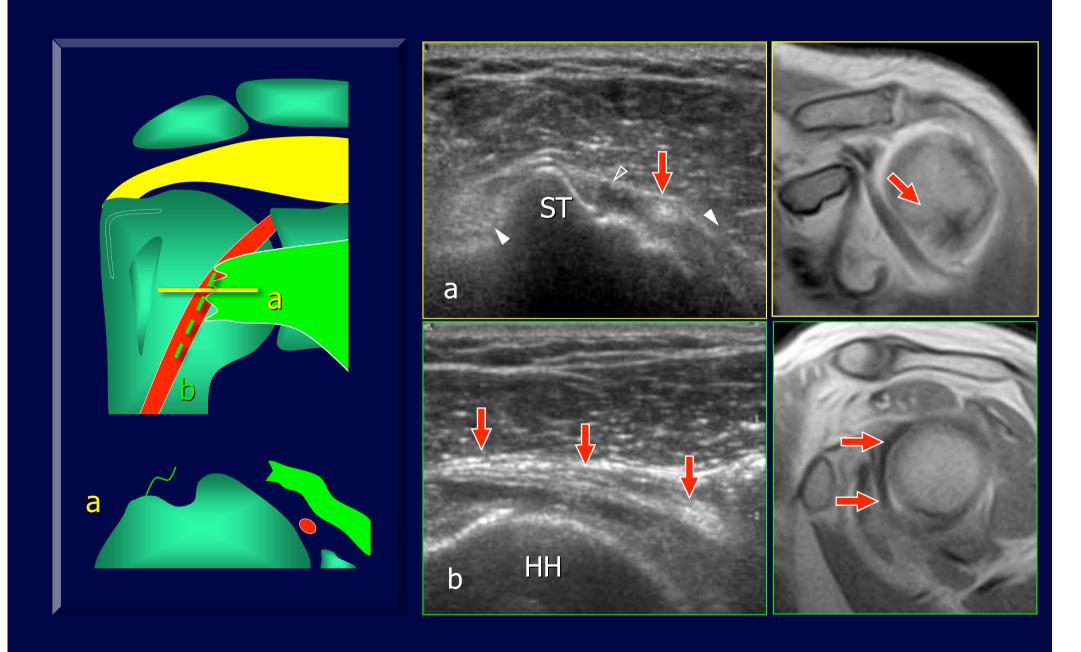
Dislocation



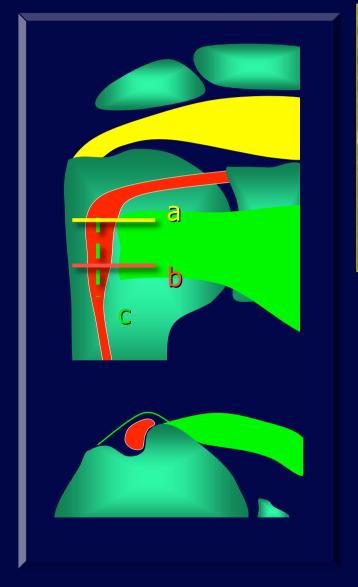


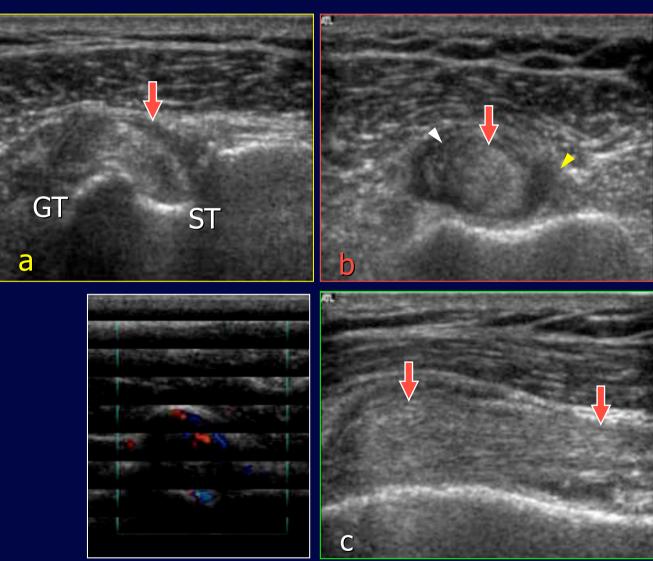




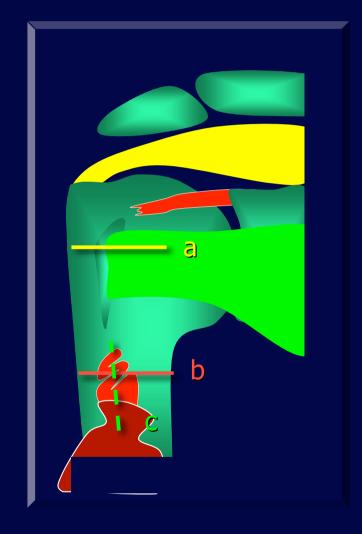


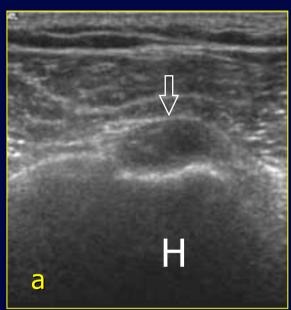
Tendinopathy



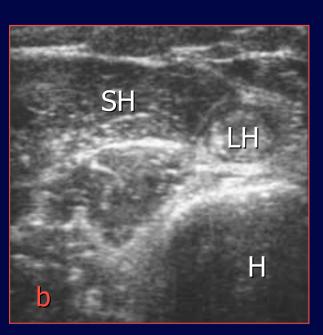


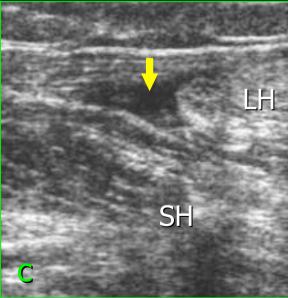
Acute tear





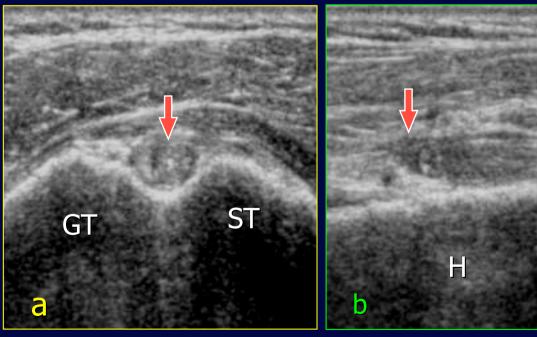






Miotendineous tear

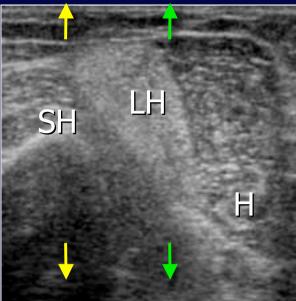


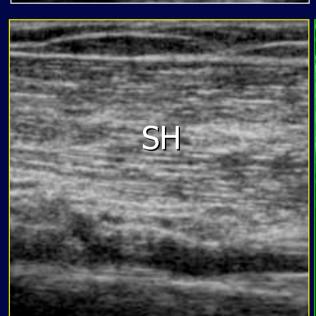


Chronic tear





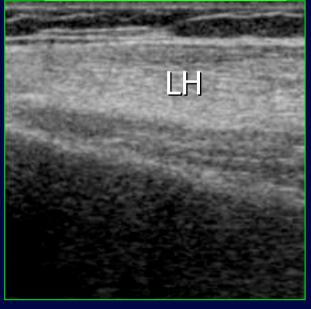




"Black and white"

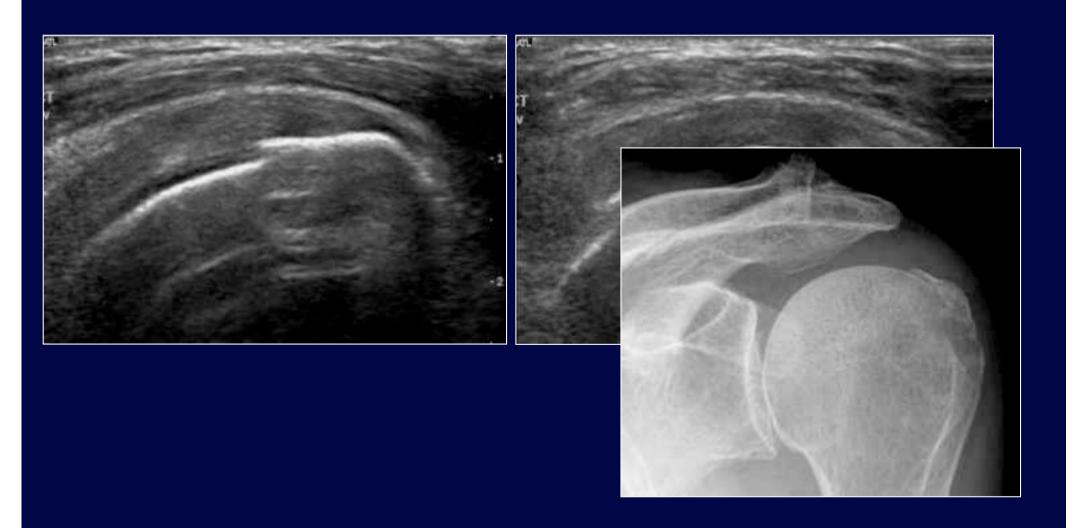


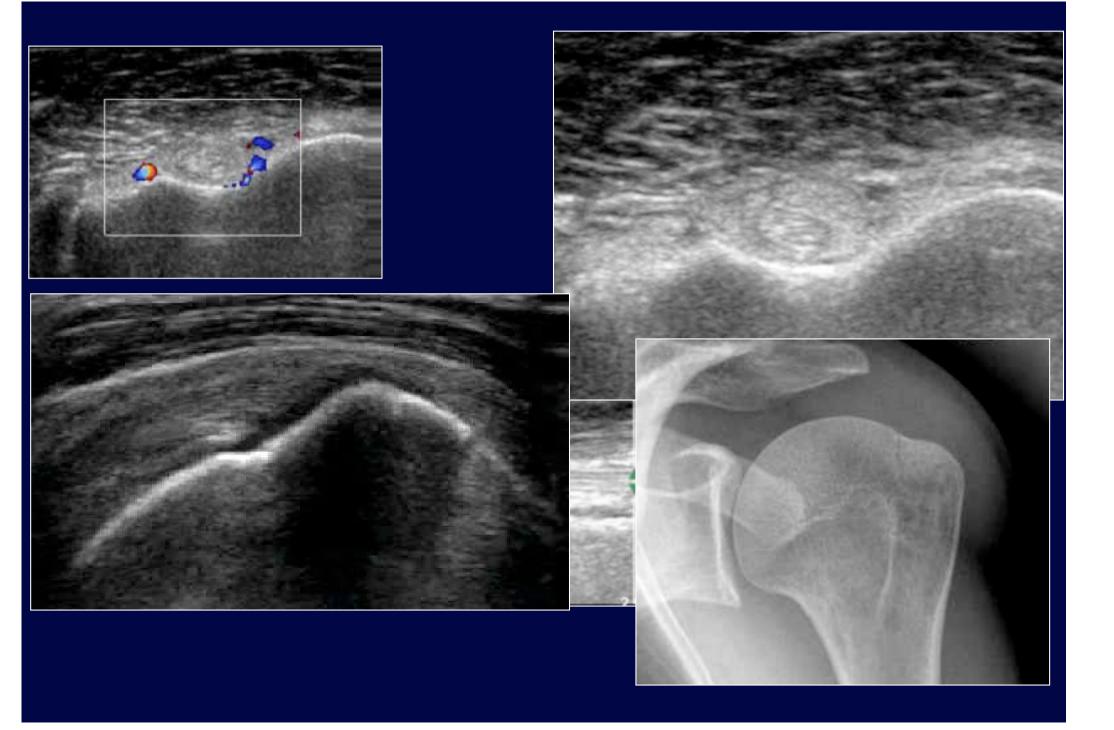
To friends at home and abroad, Greetings for a Hanny Christmas and a Good New Year

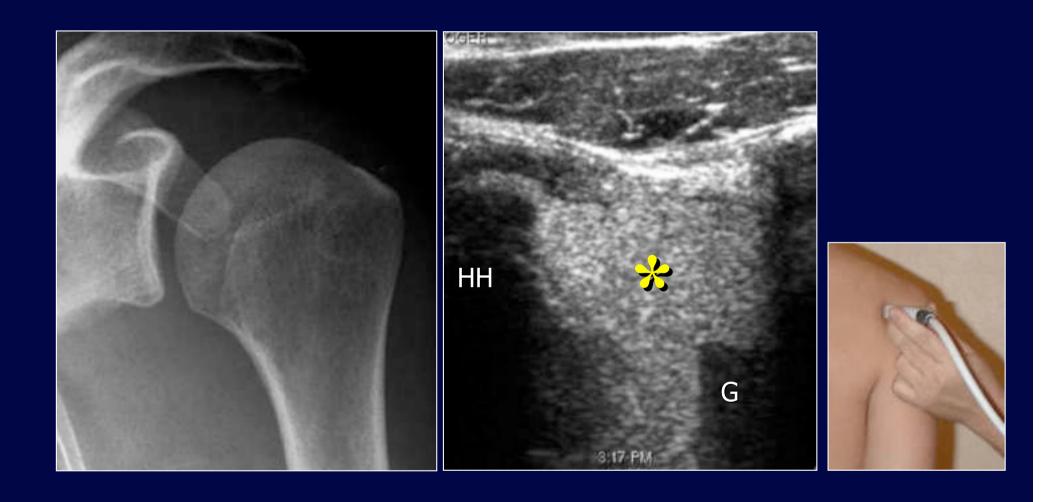


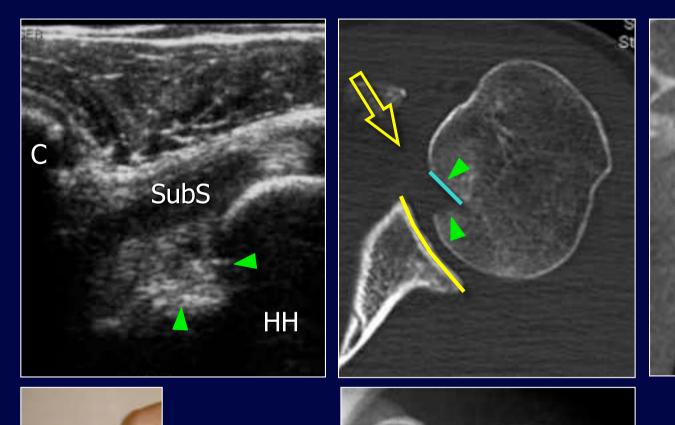
Bones

Fractures Tuberosities



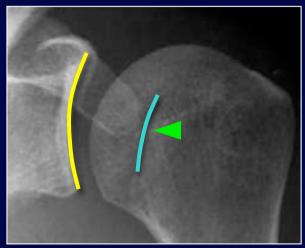








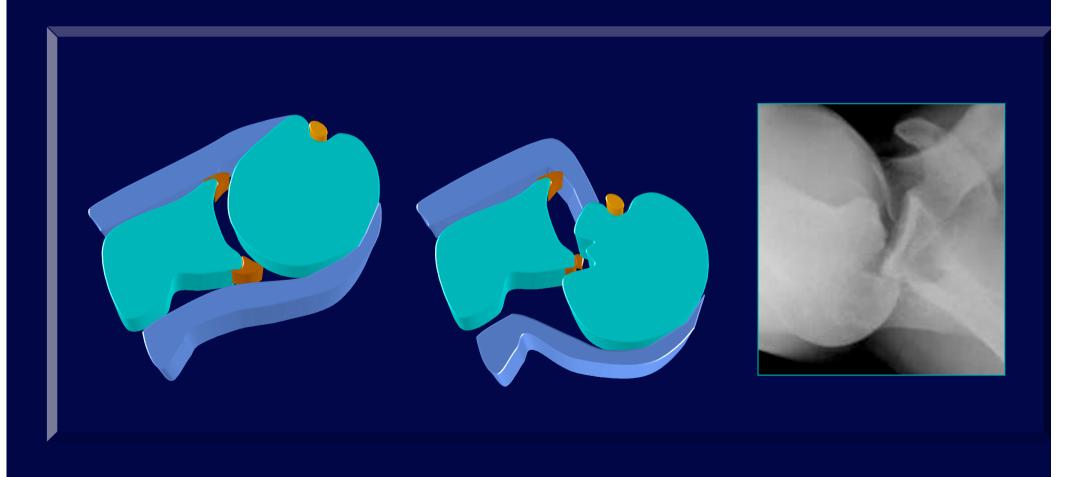




" You see what you're looking for "

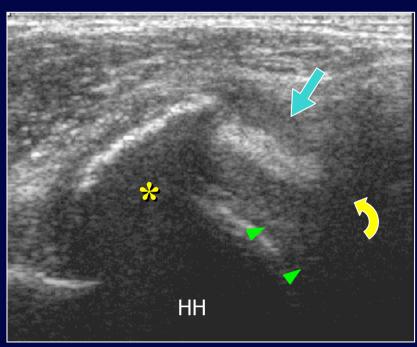
Posterior dislocation McLaughlin lesion

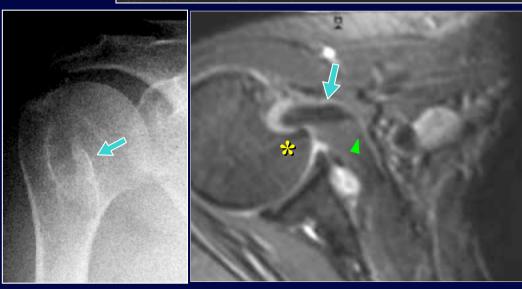
Impact of the anteromedial aspect of the HH on the glenoid rim

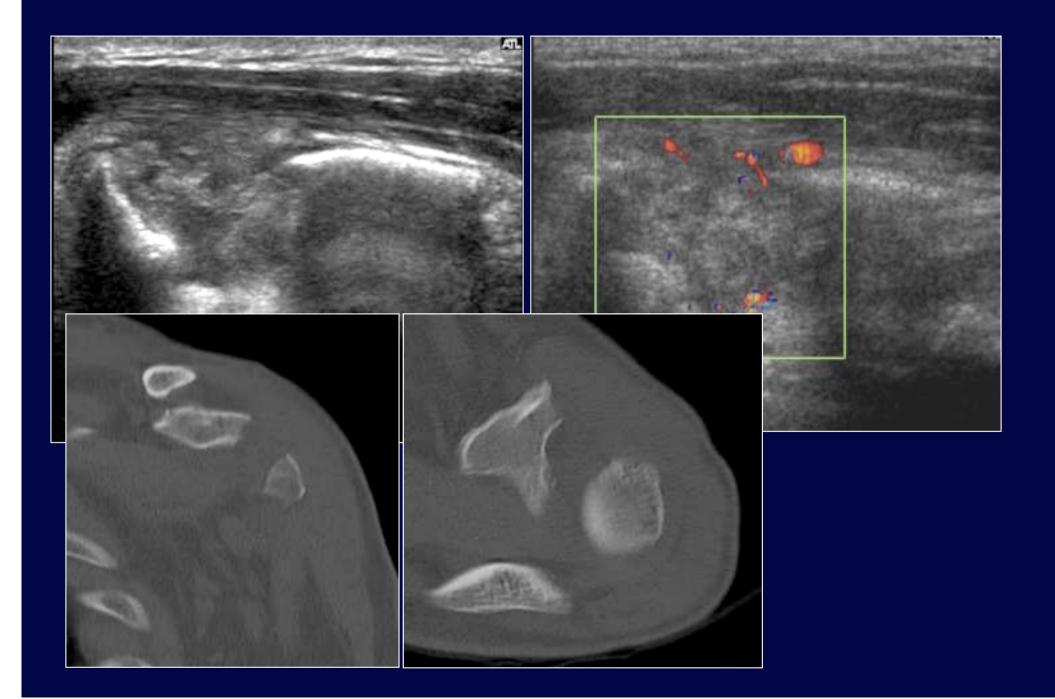


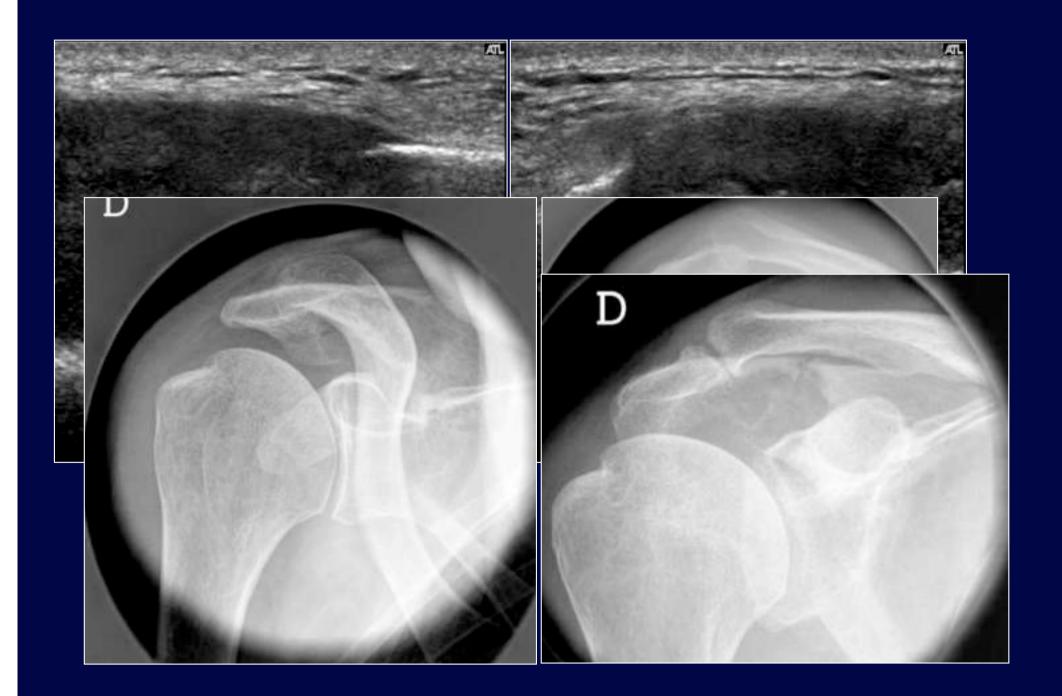
 Avulsions of the LT can be found in posterior shoulder dislocations as a result of a subscapularis traction







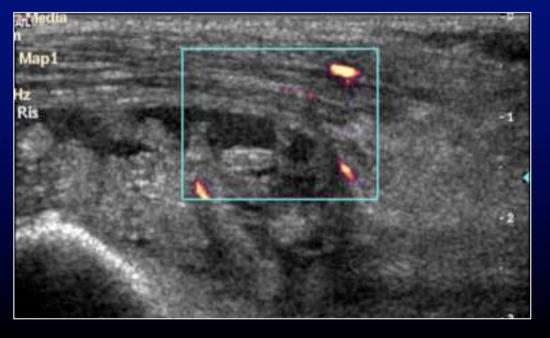




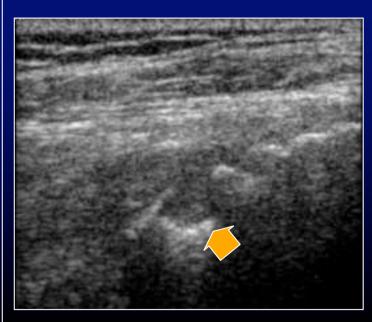
Inflammatory conditions

 In RA, US reveals synovitis at early stages of disease, when no radiographic changes are yet evident, and differentiates synovial hypertrophy from effusions

Color Doppler → synovial hyperemia



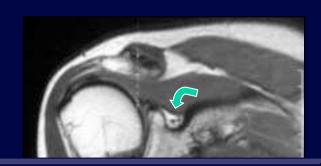
Bone erosions



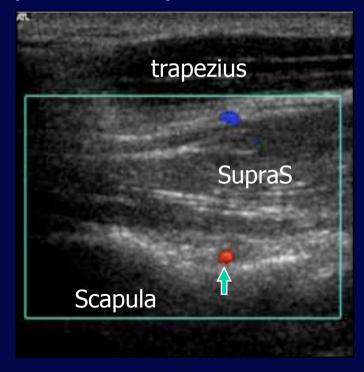
Suprascapular nerve - anatomy

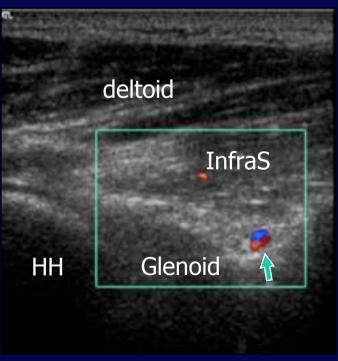
The SUPRASCAPULAR NERVE courses

■ in the coracoglenoid notch sending branches to supply the supraspinatus

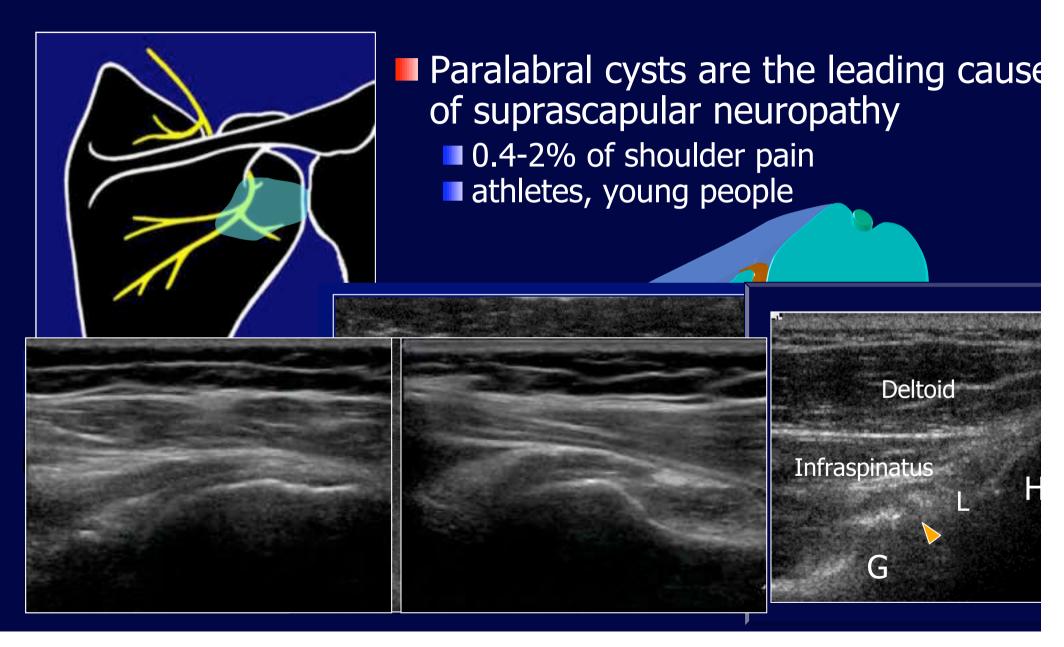


Suprascapular artery



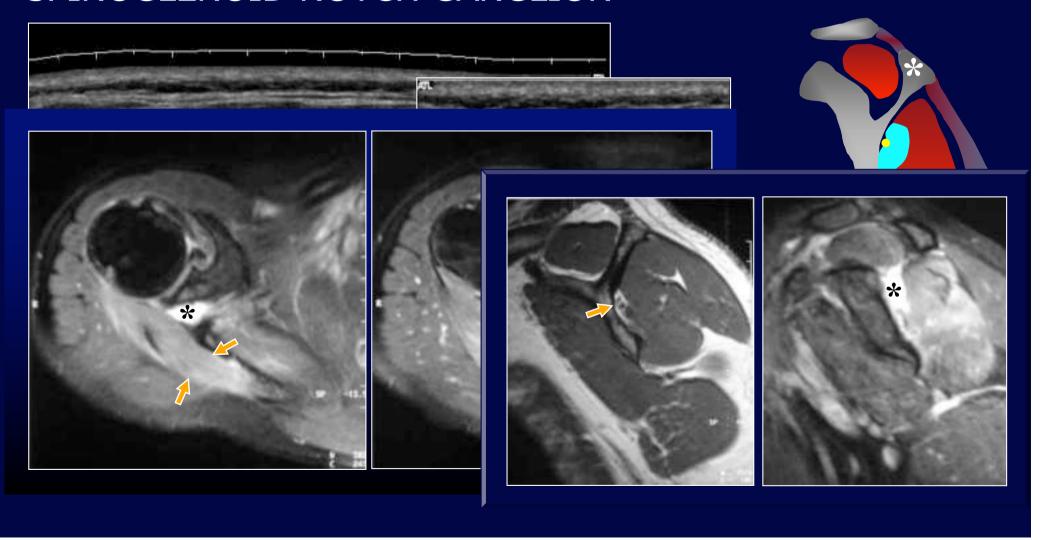


Suprascapular Nerve - ganglia



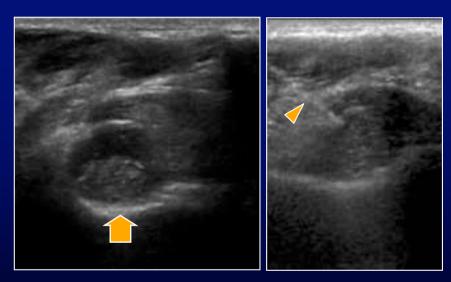
Suprascapular Nerve Syndrome

SPINOGLENOID NOTCH GANGLION

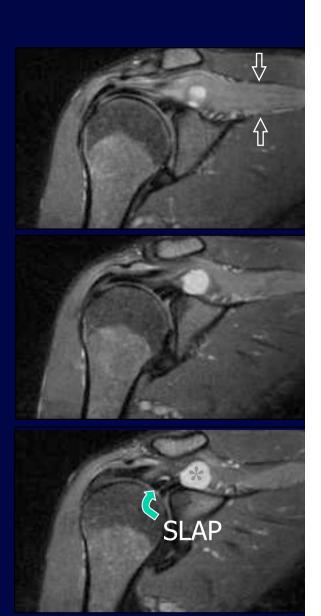


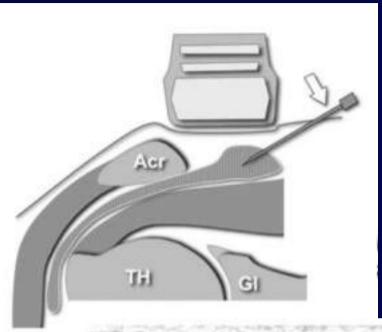
Suprascapular Nerve Syndrome

SUPRASPINOUS NOTCH GANGLION

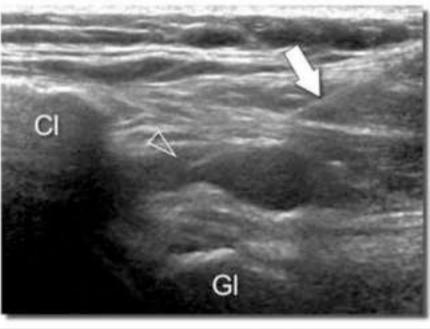


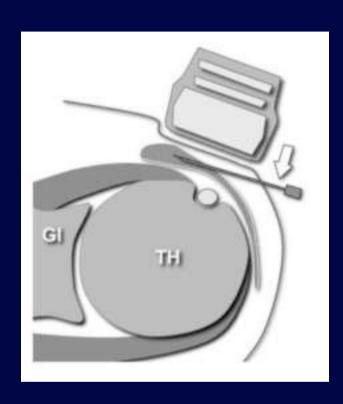
- US can guide the aspiration of the cyst for decompressive purposes *Chiou, 99*
- tunnels through the tear, usually across the base of the triangular hyperechoic labrum

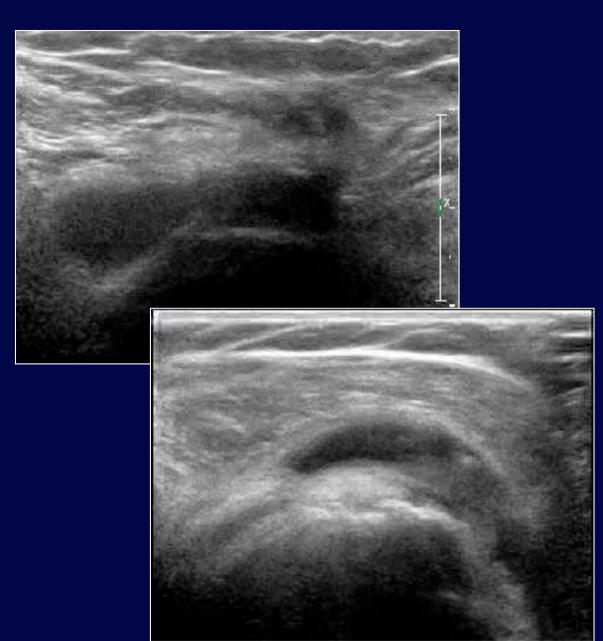




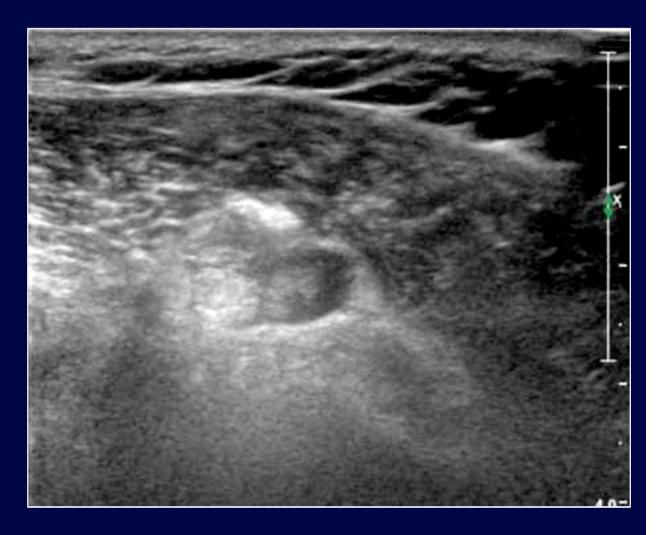
US-guided injections

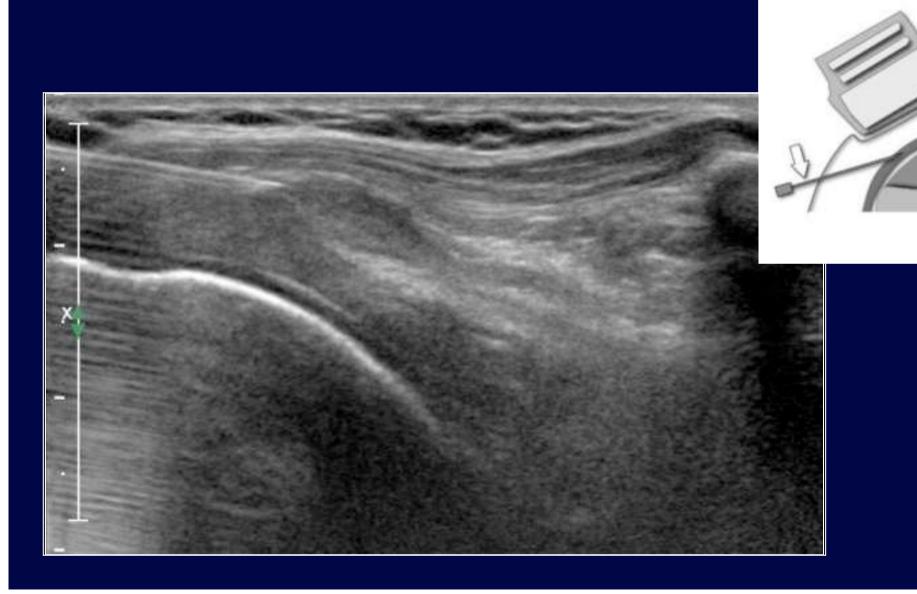




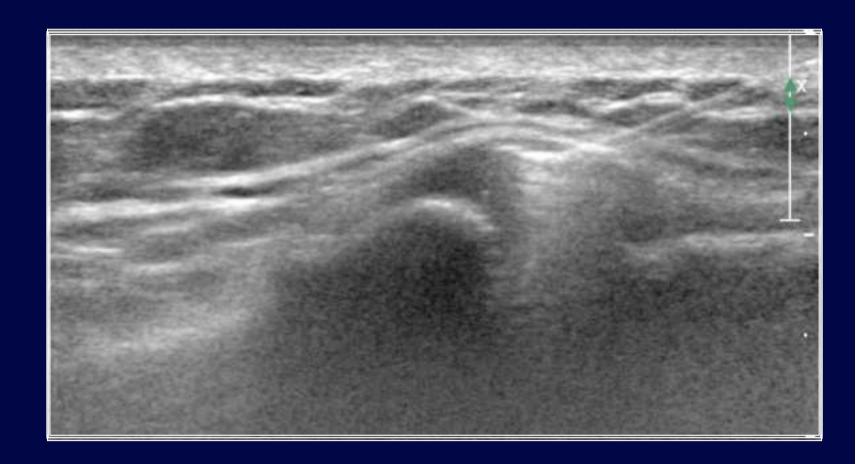




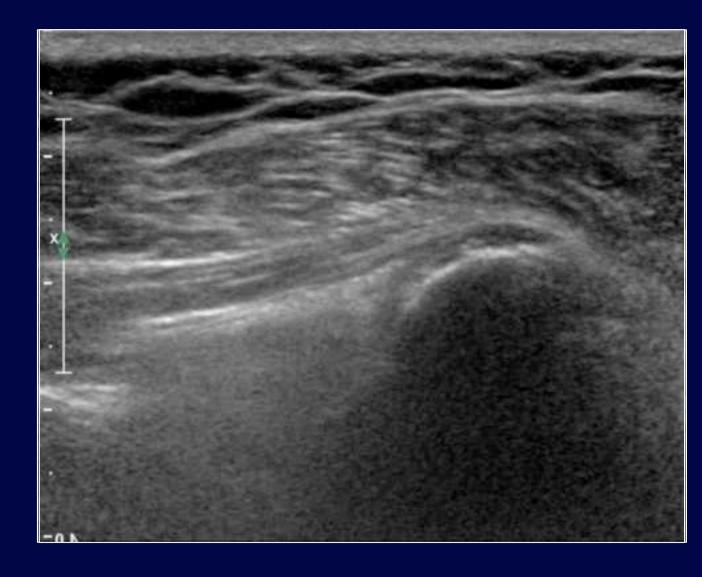




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