

Shoulder gradient in rotator cuff tears

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Case Control Study

The role of shoulder gradient in the pathogenesis of rotator cuff tears

Sobhani Eraghi A *et al.* Shoulder gradient in rotator cuff tears

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Kordkandi

Abstract

BACKGROUND

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[PDF] Genetic basis of rotator cuff injury: a systematic review<https://bmcmmedgenet.biomedcentral.com/track/pdf/10.1186/s12881-019-0883-y>

Background: Rotator cuff disease is a widespread musculoskeletal pathology and a major cause of shoulder pain. Studies on familial predisposition suggest that genetic plays a role in the pathogenesis of rotator cuff disease.

Author: Umile Giuseppe Longo, Vincenzo Can... Publish Year: 2019

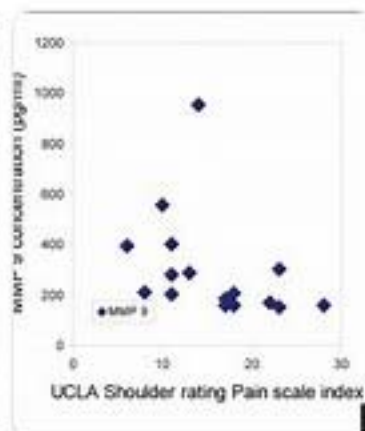
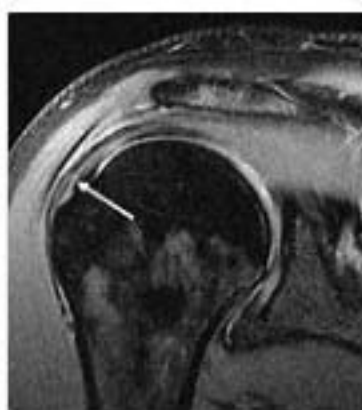
Calcific tendinopathy of the shoulder: clinical ...<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6209365>

Oct 03, 2018 · Rotator cuff disease of the shoulder includes a broad spectrum of disorders, among which calcific tendinopathy (CT) plays a prominent role.

Cited by: 3

Author: Valerio Sansone, Emanuele Maiorano, Al...

Publish Year: 2018

Images of the role of Shoulder Gradient in the Pathogenesis ...<bing.com/images>

Theory	Authors	Year
Extrinsic factors		
Chronic impingement syndrome	Neer	1972
Overuse	Codman, McMaster	1931
Multifactorial	Soslowsky	2004
Intrinsic factors		
Hypoperfusion theory	Uthoff	1990
Degenerative theory	Sano	1999
Degeneration-microtrauma	Yadav	2009
Apoptotic theory	Yuan	2002
Extracellular matrix modifications	Riley	2002

Source: Via AG, et al. Muscles Ligaments Tendons J 2013;3:

Natural History of a Tear

- Tears **DO NOT HEAL**. Some but **NOT ALL** progress
- Rot cuff arthropathy is the **end stage** (4%)
- **50%** of newly symptomatic tears will progress
- **20%** of asymptomatic tears will progress
- **No Tear** seem to **decrease** in size.
- **80%** of partial tears progress in size or become thicker at 2 years

(Yamaguchi K., 2006, No)

See more images of the role of Shoulder Gradient in the Pathogenesis of Rotator Cuff Tears

Epidemiology of the rotator cuff tears: a new incidence ...<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4241421>

Nov 17, 2014 · Introduction. Rotator cuff tear pathogenesis is still unknown. It is likely to involve a number of factors such as a genetic predisposition, extrinsic impingement and biomechanical imbalance from structures surrounding the cuff and intrinsic degeneration from changes within the tendon itself and finally co-morbidities1-4. Rotator cuff tears are the most common non-traumatic upper limb cause ...



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Rotator cuff tears: An evidence based approach

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4686437>

Dec 18, 2015 · "Its been an ache and a joy both to look over this **big shoulder of mine** at all my yesterdays" - Ethel Waters. Tears of the **rotator cuff (RC)** have been inherited by man from his ancestors with an association leading to **the great apes**[1,2].

Cited by: 27

Author: Senthil Nathan Sambandam, Vishesh Kh...

Publish Year: 2015

[PDF] Genetic basis of rotator cuff injury: a systematic review

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