

#### Extracorporeal Shock Wave Treatment for Delayed Union and ...

https://www.researchgate.net/publication/330139490...

Dec 01, 2018 · Download Citation | Extracorporeal Shock Wave Treatment for Delayed Union and Nonunion Fractures: A Systematic Review | Objectives: Nonunions after ...

#### Use of extracorporeal shock-wave therapy (ESWT) in the ...

https://www.researchgate.net/publication/11246186...

Extracorporeal shock wave (ESW) 3 is indicated as an alternative, non-invasive but promising method for treatment of bone fractures, effective even in **delayed** fracture healing or nonunion (1) (2 ...

Estimated Reading Time: 10 mins

#### Extracorporeal Shock Wave Therapy for Resistant Stress ...

https://www.researchgate.net/publication/6512672...

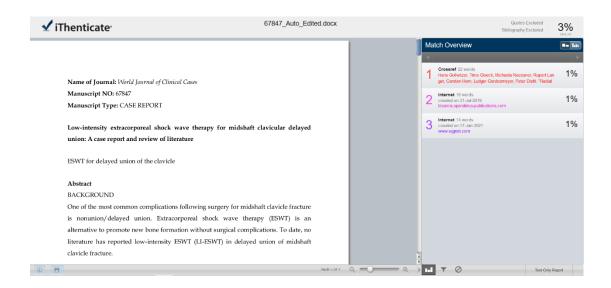
Extracorporeal shock wave therapy (ESWT) has been used successfully on fracture complications, such as delayed union and nonunion. As such, we want to examine ESWT in the management of stress ...

#### Extracorporeal Shock Waves in the Treatment of Nonunions ...

https://www.researchgate.net/publication/10733123...

Extracorporeal shock wave therapy (ESWT) was originally used for lithotripsy of kidney stones. 1 In recent years, however, with the evolution and understanding of its physical and biological ...

Low-intensity pulsed ultrasound (LIPUS) in fresh clavicle ...





#### Low-intensity extracorporeal shock wave therapy for midshaft clavi







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https://cdle.colorado.gov/sites/cdle/files/SI\_Bibliography\_0.doc · Web view

Use of extracorporeal shock-wave therapy (ESWT) in the treatment of non-unions. A review of the literature. Archives of Orthopaedic Trauma Surgery. 122, 324-330.

Author: testuser Company: CDLE
Created Date: 1/21/2011 4:12:00 PM Last modified by: cdle

## Ultrasound for Fracture Healing: Current Evidence ...

https://journals.lww.com/jorthotrauma/Fulltext/...

Low-intensity pulsed ultrasound (LIPUS) is a relatively new technique for the acceleration of fracture healing in fresh fractures and nonunions. It has a frequency of 1.5 MHz, a signal burst width of 200  $\mu$ s, a signal repetition frequency of 1 kHz, and an intensity of 30 mW/cm 2. In 1994 and 1997, two milestone double-blind randomized controlled trials revealed the benefits of LIPUS for the ...

# Treatment of an atrophic clavicle non-union with the ...

https://www.sciencedirect.com/science/article/pii/S0020138317306629

Oct 01, 2017 · In the herein case study we report the management of a clavicular non-union with bone loss that was managed with the chamber induction technique (CIT). Clinical case. A 22-years old student with an atrophic non-union of the middle third of the shaft of the left clavicle presented to ....

Cited by: 3 Author: Giorgio Maria Calori, Emilio Luigi Mazza, ...

Publish Year: 2017

# [DOC] 08/06/12 - Draft Updated - Colorado

https://cdle.colorado.gov/sites/cdle/files/... - Web view

One-time extracorporeal shock wave therapy (ESWT) has been purported to increase healing in nonunion fractures of long bones. ESWT has not been tested in prospective controlled studies. They are all considered experimental and are not recommended at this time. Bone-Growth Stimulators. (Refer to this Section E.7.a. Clavicular Fractures.)

Author: Bridgette Created Date: 7/20/2018 9:14:00 PM

Last modified by: Jackleen Jackson Title: 08/06/12-Draft Updated

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