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**Sonoelastography in the musculoskeletal system: Current role and future directions**

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#### Abstract

Ultrasound is an essential modality within musculoskeletal imaging, with the recent addition of elastography. The elastic properties of tissues are different from the acoustic impedance used to create B mode imaging and the flow properties used within Doppler imaging, hence elastography provides a different form of tissue assessment. The current role of ultrasound elastography in the musculoskeletal

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作者: AE Feldstein - 2010 - 被引用次数: 10 - 相关文章

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## Usefulness of strain elastography of the musculoskeletal system

[e-ultrasonography.org/journal/view.php?number=119](http://e-ultrasonography.org/journal/view.php?number=119) ▾ 翻译此页

作者: SJ Kim - 2015 - 相关文章

An example of performing strain elastography for **musculoskeletal system**. ... of the transducer are complicating factors that can result from **manual** compression [1-3]. ... The lack of quantitative measurements is another **major** problem in SE [8], and ... Elastography: **current status, future prospects, and making it work for you.**

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2016年5月20日 - **Major** development of ultrasonographic techniques and devices for imaging of tissue ...

Almost every feature of **current** ultrasound imaging of tissue elasticity roots ... Strain EUS also known as relative strain elastography, **sonoelastography**, ... studies, or examination of the **musculoskeletal system** [10-30].

## Review of MR Elastography Applications and Recent Developments

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作者: KJ Glaser - 2012 - 被引用次数: 77 - 相关文章

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2016年5月20日 - **Major** development of ultrasonographic techniques and devices for imaging of tissue ...

Almost every feature of **current** ultrasound imaging of tissue elasticity roots ... **sonoelastography**, or real-time elastography is the most commonly used ... studies, or examination of the **musculoskeletal system** [10–30].

### Ultrasound Elastography: The New Frontier in Direct Measurement of ...

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作者: JE Brandenburg - 2014 - 被引用次数: 24 - [相关文章](#)

2014年7月24日 - We review the **current muscle** research, discuss physiatric clinical applications of these techniques, and note **directions** for **future** research. ... properties that affect force generation, joint range of motion, or physical **function**. .... or using a visual scoring **system** that compares the color of the compressed area ...

### The evolution of ultrasound in rheumatology

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作者: T Kang - 2012 - 被引用次数: 13 - [相关文章](#)

We **present** a review of advances in ultrasound in rheumatology, focusing on **major** chronological. In this