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Retrospective Study

**Comparison Between computed tomography and magnetic resonance imaging
in Clinical Diagnosis and Treatment of Tibial Platform Fractures**

Xin-Ding Liu, Hai-Bo Wang, Tie-Cheng Zhang, Yong Wan, Chu-Zhen Zhang

BACKGROUND

Tibial plateau fracture is one of the common fracture types. It occurs mainly in teenagers and is usually caused by a fall. After the occurrence of fracture, knee swelling, pain, limited activity, etc., greatly affect the patient's exercise and lifestyle. X-ray, computed tomography (CT) and magnetic resonance imaging (MRI) were used in this examination. X-rays are relatively new and easy to

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(PDF) Comparison of CT and MRI in patients with tibial ...

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Background and objectives: The aim of the study was to compare the accuracy of X-ray (XR) imaging according to computed tomography (CT) scanning in the diagnosis of knee bone fractures, and in the ...

MDCT and MRI for the diagnosis of complex fractures of the ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3861471>

Nov 01, 2013 · Complex fractures of the tibial plateau commonly occur in patients following high-energy trauma, typically accompanied by severe damage to the knee articulation and the surrounding tissues. The diagnosis and treatment of complex tibial plateau fractures remains a significant challenge in orthopedic trauma (1,2). In the past, normal X-ray films ...

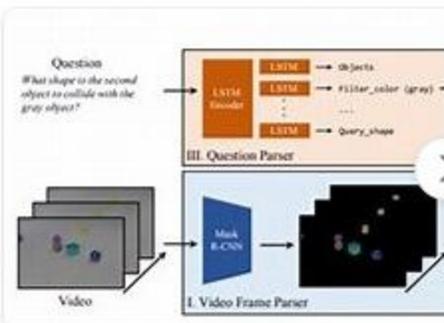
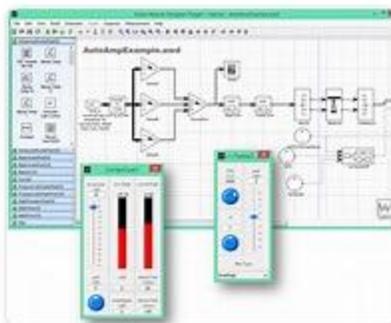
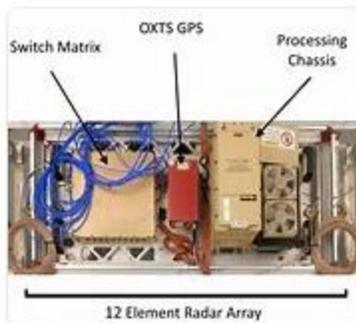
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Images of Comparison Between Ct And Mri In Clinical Diagno...

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6843286>

Sep 23, 2019 · Background and objectives: The aim of the study was to compare the accuracy of X-ray



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Jun 05, 2015 · Kusano N, Churei Y, Shiraishi E, Kusano T. **Diagnosis** of occult carpal scaphoid fracture: a **comparison** of **magnetic resonance imaging** and **computed tomography** techniques. *Techniques in Hand & Upper Extremity Surgery* 2002; 6 (3):119-23. [PUBMED: 16520609] [Google Scholar]

Cited by: 21

Author: Wouter H. Mallee, Junfeng Wang, Rudolf ...

Publish Year: 2015

Computed Tomography Versus Magnetic Resonance ...

<https://www.ncbi.nlm.nih.gov/pubmed?term=Computed...>

Background: In clinically suspected scaphoid **fractures**, early **diagnosis** reduces the risk of non-union and minimises loss in productivity resulting from unnecessary cast immobilisation. Since initial radiographs do not exclude the possibility of a fracture, additional **imaging** is needed. **Computed tomography** (CT), **magnetic resonance imaging** (MRI) and bone scintigraphy (BS) are widely used ...



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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6464799>

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Jun 05, 2015 · **Computed tomography (CT)**, **magnetic resonance imaging (MRI)** and bone scintigraphy (BS; bone scan) are all **imaging** modalities that can be chosen at this stage. The aim of this systematic review was to establish which is the superior technique for identifying a true fracture and preventing unnecessary **treatment**.

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Publish Year: 2015

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<https://reference.medscape.com/medline/abstract/26045406>

Computed tomography (CT), **magnetic resonance imaging (MRI)** and bone scintigraphy (BS) are widely used to establish a definitive **diagnosis**, but there is uncertainty about the most appropriate method. **OBJECTIVES:** The primary aim of this study is to identify the most suitable diagnostic **imaging** strategy for identifying clinically suspected ...