



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 56109

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

Reviewer's code: 03027328

Position: Peer Reviewer

Academic degree: FACG, MBChB, MD

Professional title: Professor, Research Fellow, Senior Scientist

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2020-06-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-06-17 02:42

Reviewer performed review: 2020-07-12 23:36

Review time: 25 Days and 20 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Excellent study. The study aims to explore the value of nuclear MRI and CT in the clinical diagnosis of tibial plateau fractures. MRI and CT have good diagnostic typing in the diagnosis of tibial plateau fractures, but MRI is more accurate and may be preferred. The tables and figures show the data and images clearly. The whole manuscript is well drafted; however, some concerns have been noted including: 1. Some minor language polishing should be corrected. 2. The format of references should be modified.



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 56109

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

Reviewer's code: 01172530

Position: Peer Reviewer

Academic degree: FACC, MD, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Germany

Author's Country/Territory: China

Manuscript submission date: 2020-06-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-06-17 02:42

Reviewer performed review: 2020-07-12 23:38

Review time: 25 Days and 20 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

The article is innovative. The results indicated that MRI and CT have certain diagnostic efficacy in the diagnosis of tibial plateau fractures, but NMR has higher typing ability and may be selected first. As an important tissue responsible for human movement, support and protection, bones can support human labor and movement under normal conditions, but fractures can occur after excessive external stress or pathological decreases in bone density. Fractures greatly influence the function of the site and need to be promptly treated. In view of the great influence of fractures on patients' daily lives, clinical diagnosis and treatment-related research is highly valued. Overall, the study is very well designed and the results are very interesting. The sample size is enough and methods are very clear. Discussion is good. I have a minor comment, the references should be updated.



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 56109

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

Reviewer's code: 01489369

Position: Peer Reviewer

Academic degree: FIAC, PhD

Professional title: Professor, Senior Lecturer

Reviewer's Country/Territory: Greece

Author's Country/Territory: China

Manuscript submission date: 2020-06-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-06-28 08:51

Reviewer performed review: 2020-07-12 23:40

Review time: 14 Days and 14 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

The fracture of tibial articular cartilage is also a common complication in tibial plateau fractures. The thickness and continuity of the tibial articular cartilage surface can be clearly shown in MRI scans in T1WI and T2WI, both with a high signal, and the STIR sequence showed the best effects; however, MRI shows slight thickening of the cartilage surface and a significant increase in the signal of patients with tibial articular cartilage injury. Medical records of 120 patients with tibial plateau fractures are retrospectively analyzed. The methods are described in detail. The inclusion and exclusion criteria are reasonable and very clear. Results are good, and interesting. Comments: The manuscript is overall well written; however, a minor language editing is required. And the tables and figures should be checked carefully.