

PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

Manuscript NO: 57813

Title: Impact of medial open wedge high tibial osteotomy for medial compartment osteoarthritis of the knee

Reviewer's code: 02702057

Position: Peer Reviewer

Academic degree: BSc, MSc, PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: India

Manuscript submission date: 2020-06-24

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-06-24 16:37

Reviewer performed review: 2020-06-24 17:01

Review time: 1 Hour

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 Grade E: Do not publish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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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

SPECIFIC COMMENTS TO AUTHORS

Manuscript titled "The Impact of medial open wedge High tibial osteotomy for medial compartment osteoarthritis of knee." deal an important issue of osteoarthritis of knee. In the present study the authors we evaluated the results of medial open wedge HTO along with its safety and efficacy over short and long term. The paper is very interesting, well written and suitable with the remit and purpose of the journal. Minor concerns should be solved before to accept it for publication. Please highlight better the aim of your study in the abstract and in the introduction section. Please improve the introduction section, too poor and lack of important information. Introduction: Osteoarthritis (OA) is among the most common knee joint conditions in a humans and it poses a serious health issue that affects the life quality in people of middle and older age. Please add missing fundamental references as follow: Co-expression and co-localization of cartilage glycoproteins CHI3L1 and Lubricin in osteoarthritic cartilage. Morphological, immunohistochemical and gene expression profile. *Int. J. Mol. Sci.* 2016 2016, 17, 359. It is one of the most common form of joint diseases, and is listed amongst top ten causes of progressive disability worldwide. Please add missing fundamental references as follow: Physical Activity as a Prevention Method for Knee Osteoarthritis and the Role of Synoviocytes as Biological Key. *Int J Mol Sci.* 2019 Jan 25;20(3). pii: E511. Please add a sentence regarding the importance of the movement in osteoarthritis: Please quote the following recent and interesting papers or others: Clinical evidence of traditional vs fast track recovery methodologies after total arthroplasty for osteoarthritic knee treatment. A retrospective observational study. *Muscles Ligaments Tendons J.* 2018 Jan 10;7(3):504-513. The Synovium Theory: Can Exercise Prevent Knee Osteoarthritis? The Role of "Mechanokines", A Possible Biological Key. *J. Funct. Morphol. Kinesiol.* 2019, 4, 11. The "Journal of Functional Morphology and Kinesiology" Journal Club Series:

Highlights on Recent Papers in Exercise and Osteoarthritis. J. Funct. Morphol. Kinesiol. 2019, 4, 7. Methods: Please add more information on ethical issue/committee. In the conclusion section please highlight better the scientific/clinical relevance of your work.