

## Answering-Reviewers

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 45843

**Title:** The role of infrapatellar fat pad in the pathological process and its future treatment prospect on knee osteoarthritis

**Reviewer's code:** 03976790

**Reviewer's country:** France

**Science editor:** Ying Dou

**Reviewer accepted review:** 2019-04-25 09:25

**Reviewer performed review:** 2019-05-01 12:06

**Review time:** 6 Days and 2 Hours

### SPECIFIC COMMENTS TO AUTHORS

Comments on the manuscript The role of infrapatellar fat pad in the pathological process and its future treatment prospect on knee osteoarthritis

This manuscript is a review about the role of infrapatellar fat pad (IPFP) of the knee joint, in the process of osteoarthritis, which can be developed in cases of obesity, namely in females, with suggestion n of therapeutics using certain of the properties of IFPF. After having given the anatomic and biological characteristic of IPFP, the authors specified both the positive and negative effects of IPFP in knee osteoarthritis. In this last case they insist on the fact obesity is an important risk factor of the incidence of osteoarthritis not only because of an overweight but also because some metabolic effects. They also propose some applications of IPFP tissue engineering in osteoarthrosis therapeutics. The review is based upon recent references is well written and understandable by non-specialist reader. I think this work useful.

*ANSWERING: Thank you very much for your high praise.*

I have only few minor remarks to do. Page 4, 2nd paragraph, line1: "The periphery of the IPFP is highly vascularise but the central with low vascularization". This sentence is difficult to understand. I propose: "The

periphery of the IPFP is highly vascularized, but the center is poorly vascularized”.

*ANSWERING: We have changed the first line of the second paragraph on page 4 to “The periphery of the IPFP is highly vascularized, but the center is poorly vascularized”.*

Page 4, 2nd paragraph, line4: “IPFP is also richly being innervated and contains lymphatic vessels”. I propose: “IPFP is also richly innervated and contains lymphatic vessels”

*ANSWERING: We have changed the line 4 of the second paragraph on page 4 to “IPFP is also richly innervated and contains lymphatic vessels”.*

Page 4, 2nd paragraph, line 10: “As is reported the nerves of IPFP is originating from the posterior articular branch of the posterior tibial nerve”. I propose: “As is reported the nerves of IPFP are originating from the posterior articular branch of the posterior tibial nerve”

*ANSWERING: We have changed the line 10 of the second paragraph on page 4 to “As is reported the nerves of IPFP are originating from the posterior articular branch of the posterior tibial nerve”.*

Page 18: I didn’t find the reference 54 in the text.

*ANSWERING: We have added.*

Figure1: indicate IPFP on the picture. Figure 2: give some explanations about the interactions in the legend

*ANSWERING: The annotation content has been added.*

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 45843

**Title:** The role of infrapatellar fat pad in the pathological process and its future treatment prospect on knee osteoarthritis

**Reviewer's code:** 03765426

**Reviewer's country:** Japan

**Science editor:** Ying Dou

**Reviewer accepted review:** 2019-02-28 00:00

**Reviewer performed review:** 2019-02-28 07:24

**Review time:** 7 Hours

**SPECIFIC COMMENTS TO AUTHORS**

This is a review article about the new role of infrapatellar fat pad. Actually, this is well written and very interesting. I found one misspelling, Hoff>>Hoffa in Page 3.

*ANSWERING: We have corrected.*