



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Orthopedics

ESPS manuscript NO: 18182

Title: Platelet-rich plasma increases transforming growth factor- beta1 expression at graft-host interface following autologous osteochondral transplantation in a rabbit model

Reviewer's code: 02514886

Reviewer's country: Japan

Science editor: Fang-Fang Ji

Date sent for review: 2015-04-11 23:20

Date reviewed: 2015-06-06 20:04

Table with 4 columns: CLASSIFICATION, LANGUAGE EVALUATION, SCIENTIFIC MISCONDUCT, CONCLUSION. It contains checkboxes for various quality and misconduct criteria.

COMMENTS TO AUTHORS

Manuscript title: Platelet-Rich Plasma Increases TGF-β1 Expression at Graft-Host Interface Following AOT in a Rabbit Model (number 818182) This manuscript reports on the effect of platelet-rich plasma (PRP) on protein expression patterns related to TGF-β1 expression as observed in a rabbit model of AOT. The percentage of chondrocytes positive for TGF- β1 was higher in PRP treated knees as compared to control setting. The authors conclude that an increased expression of TGF-β1 associated with PRP indicates chondrogenic effect for PRP. The manuscript is well written and has scientifically relevant data. Therefore, I have no hard words for the authors. Minor issues 1. PRP may be prepared from either citrated blood or heparinised blood. I did not understand which of these two anticoagulants you used (or was involved) in the preparation of PRP. If heparin was used, then traces of heparin in the PRP could have impacted the outcome for which an equal amount of heparin should have been added to the control tests (saline). Please clarify in the manuscript Methods. 2. Figures 3 and Figure 4 show similar findings, please omit 3 or 4. Likewise, Figures 7 and 8 show



BAISHIDENG PUBLISHING GROUP INC

8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

<http://www.wjgnet.com>

similar findings, you should omit one of these two Figures. 3. I guess an abbreviation like AOT in the manuscript title is not appropriate.