Reviewer’s report

Title: The effects on calcaneofibular ligament function of differences in the angle of the calcaneofibular ligament with respect to the long axis of the fibula: A simulation study

Version: 0 Date: 14 Oct 2017

Reviewer: Maria Regina Tjokrodiredjo

Reviewer's report:

There is need further information about:

1. How long has it become cadaver?

2. Whether the same preservation technique on all cadaver?

3. There was no known activity in life of those cadavers, which may affect the elasticity of the ligaments

4. Need a more detailed explanation of the data in table 2 and table 3, namely:
   What is the mean of value of each plantar flexi -30, -20 and -10?

5. In the discussion it should be mentioned that the assessment technique, does not consider the element of gravity, weight bearing, and muscle activity

6. It should be mentioned also that the posture of foot during life, can affect the degree of CFL (pes planus/pes cavus)

7. The data obtained from this study are fairly important data, which can be developed in in vivo research, on biomechanical research of variations in ankle joint forms (impact on foot health problem)

A tool used to assess the flexibility of the ligaments, is less clearly described

It should be described the shape and how was the tool work.

In discussion need to be added whether the difference of result of this research with research which has been done by: P. Kitsoulis, A. Marini, A. Pseftinakou, concerning Morphological study of the calcaneofibular ligament in cadavers.

The length of the ligaments in the results table should be given a clearer explanation.

The results of this study are useful for estimating risk factors for ankle injury, and need to be continued in vivo
Level of interest
Please indicate how interesting you found the manuscript:

An article of importance in its field

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal