Reviewer’s report

Title: A comparison of various types and thicknesses of adhesive felt padding materials in the reduction of peak plantar pressure of the foot. A case study.

Version: 6 Date: 27 April 2015

Reviewer: Aoife Healy

Which of the following best describes what type of case report this is?: None

Do you believe the case report is authentic?: Yes

Do you have any ethical concerns?: No

Is the Abstract representative of the case presented?: Yes

Does the Introduction explain the relevance of the case to the medical literature?: Yes

Does the article report relevant patient information?: Yes

Does the article report relevant physical examination findings?: Yes

Does the article report important dates and times in this case?: Yes

Does the article report the diagnostic assessments?: Yes

Does the article report the types of intervention?: Yes

Does the article report a summary of the clinical course of all follow-up visits?: Yes

If any information is missing from the reporting, please detail it here.: More detailed analysis of the plantar pressure data

Is the interpretation (discussion and conclusion) well balanced and...
supported by the case presented?:

No, not until further analysis is completed

Does the case represent a useful contribution to the medical literature?:

Yes

Was written informed consent to publish this case obtained?: Yes

Is the anonymity of the patient protected?:

Yes

Additional comments to authors?:

Yes I do understand that the pressure was reduced over the entire metatarsal area with the use of felt padding, however this does not mean that the peak pressure at the periphery of the cut out is reduced.

In the Tekscan software peak pressure is calculated as the average of the four sensor cells with the greatest pressure across the recorded trial. The pressure at the periphery may have increased with the addition of the felt padding but it may not reach the peak pressure identified in the control condition and therefore would not be detected by your current analysis method.

It is necessary to isolate the regions of interest to fully quantify the effect of the felt padding.

As the peak pressure was examined over the entire metatarsals were analysed as one

The pressure at the periphery may be increased

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Declaration of competing interests:

I declare that I have no competing interests