

February 7, 2014

Dear Editor,

Please find a revised manuscript in Word format enclosed to this mail (file name: Manuscript 8306\_edited).



**Title:** Imaging of Multiple Myeloma: Current Concepts

**Authors:** Thorsten Derlin, Peter Bannas

**Name of journal:** World Journal of Orthopedics

**ESPS Manuscript NO:** 8306-edited

The manuscript has been adjusted according to the suggestions by the reviewers.

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewers. Below follow my point-by-point answers to all reviewer comments.

Reviewer 00225328

1. Since this paper emphasizes current concepts. DWI should be elaborated. A paper "Multiple myeloma treatment response assessment with whole-body dynamic contrast-enhanced MR imaging. Radiology. 2010; 254:521-31" could be mentioned
2. Dynamic contrast enhanced MRI is another novel MRI that should also be mentioned. It has been reported to be valuable for response assessment. Please refer to "Multiple myeloma treatment response assessment with whole-body dynamic contrast-enhanced MR imaging. Radiology. 2010;254):521-31. If the authors feel that it is appropriate, the last sentence of the conclusion should be modified. .
3. The reference list is not well searched: some of the references are entirely arbitrary , for example, last sentence in page 10, reference 11, 13. Some of the references do not correspond to the fact shown in a sentence. For example, page 13, reference 20 (dated 1967, not a so-called "recent" study).
- 4.. A similar review " Current concepts in the evaluation of multiple myeloma with MR imaging and FDG PET/CT. RadioGraphics 2010; 30:127-142" should be appended and discussed.
5. MRI protocols varied considerably in the literature. It would be nice if the authors can suggest one so that the readers can follow.

Answer to Reviewer 00225328:

1. DWI has been discussed as suggested, namely for therapy monitoring. The recommended paper has been mentioned.
2. DCE MRI has been discussed in the sections "MRI" and "Imaging for monitoring of treatment of MM." The last sentence of the conclusion has been modified to reflect the promise of newer MRI imaging techniques.

3. References have been corrected. The older studies included include hallmark studies which have described some findings for the first time, and should therefore not be replaced by newer ones. A large number of recent studies has been added to the references.

4. That excellent review has been added to references and has been discussed.

5. A MRI protocol has been recommended.

Reviewer 00503125

In this paper the imaging options for patients with multiple myeloma were reviewed which include routine X-rays, CT scanning, MRI scanning and PET imaging. Although this is a nice review of the efficacy of these imaging strategies in this patient population, I do not appreciate much that is new in this manuscript. In particular some discussion needs to be provided as to how the information in this paper changes the management of these patients.

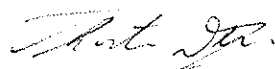
Answer to Reviewer 00503125: The primary aim of this paper is to provide a comprehensive review about state-of-the-art imaging of multiple myeloma with a focus on whole-body imaging techniques including CT, MRI and PET/CT, and to focus on that techniques which found their way into guidelines. However, newer imaging techniques including DWI and DCE MRI have now been extensively discussed, In addition, new PET tracers have been discussed.

3 References and typesetting was revised

4 Language has been reedited by a native speaker (Curtis Wiens, PhD, Department of Radiology, University of Wisconsin).

Thank you again for considering this manuscript for publication in the *World Journal of Orthopedics*

Sincerely yours,



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