Reviewer's report

Title: Segmental lumbar mobility in individuals with low back pain: In vivo assessment during passive and active motion using dynamic MRI.

Version: 4 Date: 19 October 2006

Reviewer: Alison Hazel McGregor

Reviewer's report:

General

This paper is greatly improved and much clearer. However, one frustration is although many of the concerns have been responded to in the covering letter, they have not been incorporated into the text. I feel in places this must be done to enhance the paper.

Specific examples

Methods: you need to say here how you recruited them, that none were off work, etc. You also need to note to the reader that this is a subprotocol of a larger study thus the discrepancies in study population sizes.

Again great that you assess ODI but refer to it and provide the data

In your response to the localising MRI scan you say one patient was excluded is this one out of the 65 you describe or an additional patient.

In determining which image to use you do this very clearly in your response but have left the paper as is, others may well ask the same question

What next?: Accept after minor essential revisions

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

Quality of written English: Acceptable

Statistical review: No

Declaration of competing interests:

I declare that I have no competing interests