Reviewer's report

Title: Relationship of moderate and low isometric lumbar extension through architectural and muscular activity variables: a cross sectional study

Version: 3 Date: 5 July 2013

Reviewer: Lan-Yuen Guo

Reviewer's report:

General Comments

The manuscript was revised accordingly. Some revision was suggested as below:

1. Abstract: The abbreviation like Torque Mod etc should be described in advance.
2. Introduction (last paragraph): six variables?
3. EMG: low pass filter? Which Hz.
4. Data Analysis: Architectural and functional variables need have a clear definition and illustrate including what variables. Same with in introduction section.
5. Word typing error: please check page 6 in experimental protocol, page 11 in discussion..
6. Results: RMQ, OMPQ were already abbreviated in method. The abbreviation like AL Mod , AR Mod should be described in advance.
7. Figure 2 shows the pennation angle and muscle thickness, however, the illustration do not go with the figure.

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

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests.