Reviewer's report

**Title:** New physical examination tests for lumbar spondylolisthesis and instability: low midline sill sign and interspinous gap change during lumbar flexion-extension motion

**Version:** 2  
**Date:** 31 December 2014

**Reviewer:** Saiyun Hou

**Reviewer's report:**

**Major Compulsory Revisions:**
1. Please provide baseline characteristics of the study participants, such as height, weight, previous lumbar films, h/o back surgery, h/o back pain, any previous treatment....
2. Please provide including and excluding criteria for study participants enrollment
3. Please explain more details about how to define interspinous gap change, if needs passive or active flex/ext, what degree of flex/ext should be for test. what is criteria for interspinous gap change, such as 1cm, or 2 cm?

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

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**
I declare that I have no competing interests.