Reviewer’s report

**Title:** Determination of the human spine curve based on laser triangulation

**Version:** 2  **Date:** 6 September 2014

**Reviewer:** Eric BERTHONNAUD

**Reviewer’s report:**

Major Compulsory Revisions

This article is well written, the study is conducted fairly, the method is rigorous, but the subject is not innovative, studies on similar systems and techniques that have already been conducted.

The authors emphasize the spatial character of scoliosis (3D) in the introduction, then the results focus on the sagittal and frontal views (2D), it would have taken a closer look at the new standards on the 3D models in the field scoliosis.

Also the only argument of the dose is to discuss again with the introduction of new systems such as EOS and its very low dose.

It lacks a comparison between internal curves obtained from radiography and external curves obtained by the laser, because the interest of the subject is only the transfer function between the internal curve and the external curve.

**Level of interest:** An article of limited interest

**Quality of written English:** Acceptable

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

**Declaration of competing interests:**

I declare that I have no competing interests