Reviewer’s report

Title: A correlation study between in-brace correction, compliance to spinal orthosis and health-related quality of life of patients with Adolescent Idiopathic Scoliosis

Version: 1 Date: 1 February 2014

Reviewer: Theodoros B. Grivas

Reviewer’s report:

This article is nicely written. The methods used are the appropriate.

Their conclusion that the results showed a positive relationship between patients’ brace-wear compliance and patients’ QoL and that poor compliance would cause a lower QoL, are convincing.

However one point that needs some more elaboration is the process of validation of BrQ. The authors write “It was translated into Chinese and validated by the author to show good discriminative power”. Could the authors describe in some more details the validation possess? They would probably need to be guided by the publications

E Kinel, T Kotwicki, A Podolska, M Bia#ek… - European Spine …, 2012, Polish validation of brace questionnaire

AG Aulisa, V Guzzanti, M Galli, C Erra, G Scudieri… - Scoliosis, 2013 - scoliossisjournal.com, Validation of Italian version of brace questionnaire (BrQ).

What was the Cronbach’s alpha coefficient which they found was there any floor or ceiling effect?

Level of interest: An article of importance in its field

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'