Reviewer's report

Title: Treatment adherence with the easypodTM growth hormone electronic auto-injector and patient acceptance: survey results from 824 children and their parents

Version: 1 Date: 26 August 2010

Reviewer: Dieter Haffner

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This paper deals about the use of the easypod-device, an electronic rhGH auto-injector in short children treated by rhGH for an observation period of three months. Patient adherence was assessed by the easypod-device and a patient’s questionnaire. This was done separately for treatment naive and experienced patients, respectively.

The authors observed good adherence in approx. 90% of patients. Naive patients showed significantly higher adherence compared to experienced patients. The advice was well tolerated and appreciated by the patients and their parents.

Major comments:

1) It is unclear if the patients were informed that adherence was prospectively checked by the easypod-device. This information will potentially create some bias with respect to patient compliance. If so, this issue should be addressed in the discussion section.

2) The data are clearly presented but appear to be of poor novelty. Two analyses on this topic were published previously. The observation period was rather short to thoroughly assess compliance to rhGH treatment, which is usually given for many years.

Level of interest: An article of insufficient interest to warrant publication in a scientific/medical journal

Quality of written English: Acceptable

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