Reviewer’s report

Title: Conduction in ulnar nerve bundles that innervate the proximal and distal muscles: a clinical trial

Version: 2 Date: 30 August 2010

Reviewer: Othmar Schuhfried

Reviewer’s report:

Minor essential reviews

ABSTRACT
The authors conclude in the abstract part that differences in nerve conduction parameters of nerve fibers with different diameters in the same peripheral nerve might be ancillary for detecting the level of neuropathies. But they did not provide an example or give an explanation to support this theory in the discussion section. So the authors should delete following sentence in the discussion of the abstract part: `... and can be used to detect the level of neuropathy`.

METHODS
Stetson et al (1992) have not evaluated for motor nerve conduction velocity of the ulnar nerve but only of the median nerve, whether there are correlations with age. In contrast, Rivner et al.(Muscle Nerve 2001) found small but significant correlation of the motor ulnar nerve conduction velocity with age.

Therefore the authors of this paper should specify at least the mean age and the age distribution of the subjects.

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, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests.