Reviewer’s report

Title: Short GSM mobile phone exposure does not alter human auditory brainstem response

Version: 4 Date: 22 August 2007

Reviewer: Thomas Lenarz

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„Short GSM mobile phone exposure does not alter human auditory brainstem response“

The authors report about short GSM mobile phone exposure which shows no alteration of human auditory brainstem response. The 10 minute exposure with the GSM 900 MHz did not alter the latencies of the brainstem responses. The authors had made other experiments where they found some alteration however different types of exposure especially duration have been used. The authors are participating in an EU funded research project under the 5th Framework called GUARD. The study is well described and conducted. It is a double-blind study with a control group. Only normal hearing persons did enter the study, the age was 18-26 years.

The authors have made a good review of the literature and also pointed out the contradictory results from different studies concerning electrophysiological responses.

Overall the paper is worth to be published in BMC. However the authors should line out at the end of the introduction what the aims of their study are and how that fits into the GUARD project. The authors should also line out what the differences were compared to other studies and how they did decide to use this setting of parameters (e.g. duration of exposure, positioning the head etc.).

The paper should be published after revision.