

A tactile P300 BCI was performed on 7 MCS patients over ten consecutive days, showing significant changes in the CRS-R. 4 patients showed high classification accuracy and therefore are potential to use a BCI for communication. In the future the possible recovery effects of vibro-tactile P300 BCI paradigms will be further explored.

CONFLICT OF INTEREST

The authors AH, NM, RX, RO and CG belong to g.tec medical engineering GmbH. The other authors declare no conflict of interest.

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NM, AH and YM recorded the data. RX, JJ, RO, FC, KM and CG contributed to study design, scientific protocols, and review/analysis of results. AH reviewed results and was primarily responsible for writing, and all authors discussed the results and implications. This research was supported by the EC SME Phase 2 project ComaWare, the Eurostars project ComAlert (Grant number E19361) and the Marie Skłodowska-Curie grant DoCMA (agreement No 778234).

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