

Supplementary material

## Frontal cortical function in depression and the effect of electroconvulsive therapy

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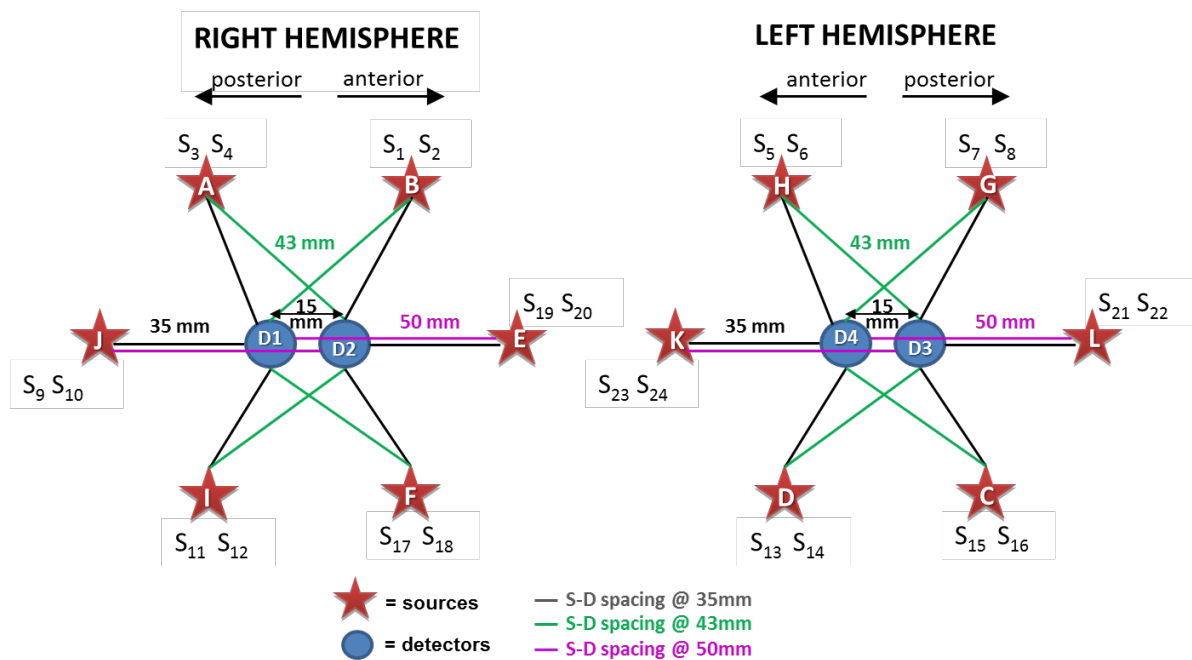
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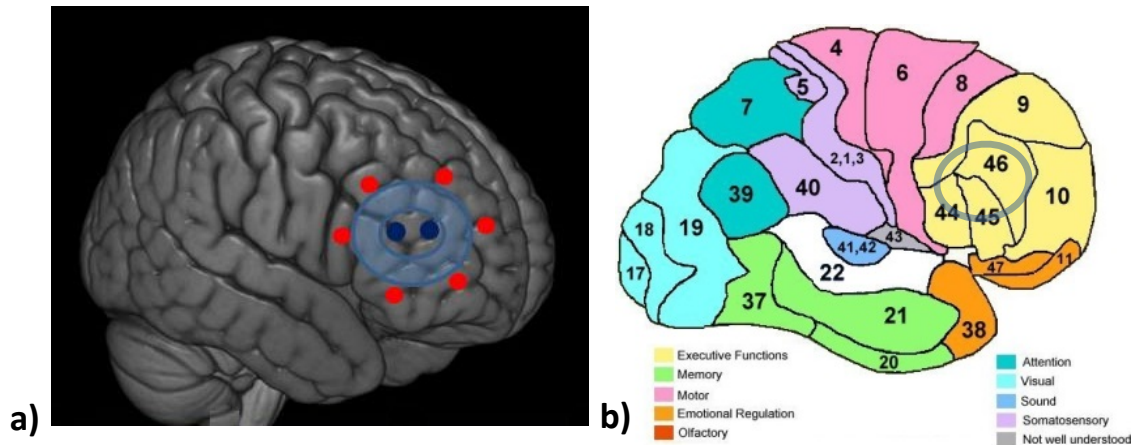
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Requests for accessing original data or analysis methods should be sent to the corresponding author.

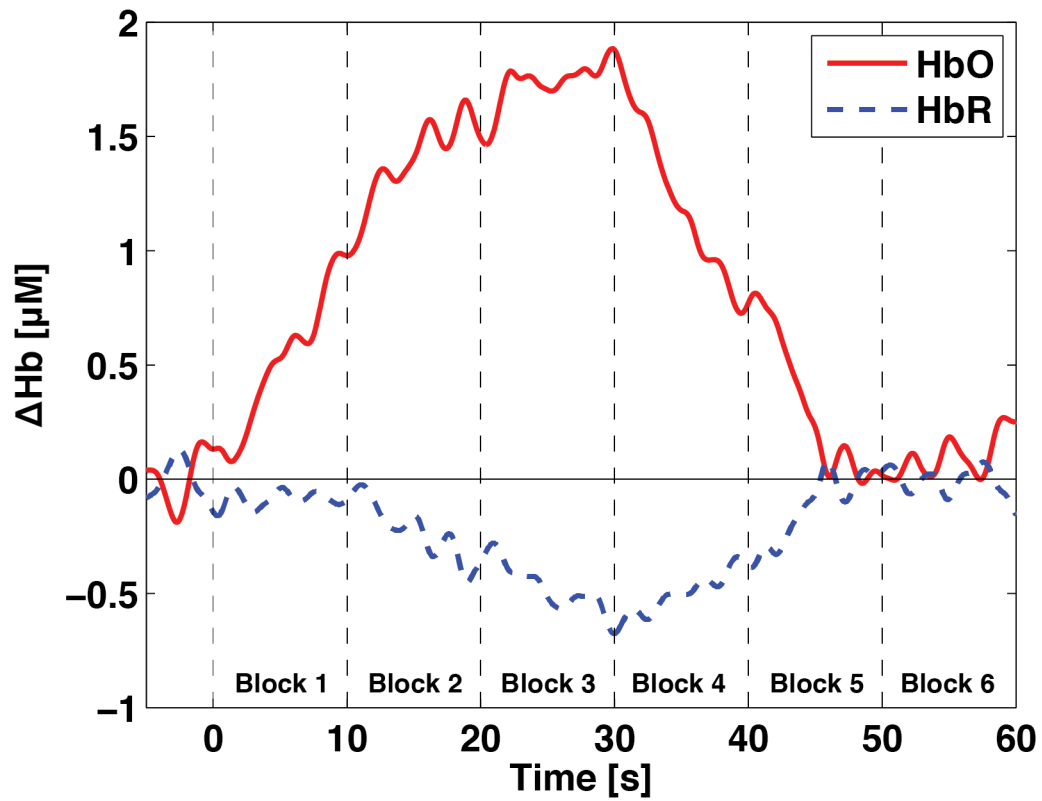


**Figure S1:** The near-infrared spectroscopy array layout used in the study (viewed from the front).



**Figure S2:** The areas of prefrontal cortex covered by the array.

The left hand panel a) shows a surface render of the fiducial markers on the right side with a shaded 'doughnut ring' from where fNIRS signal was recorded. In panel b) the shaded ring indicates the approximate Brodmann areas corresponding to the area of signal acquisition. (Brodmann areas map reproduced with permission from BrainMaster Technologies Inc ([www.brainm.com](http://www.brainm.com)), Brodmann Atlas)



**Figure S3:** Example of mean haemodynamic response and Block timing.

Shown is the timing of the six 10s blocks used in the analysis (Block 1: 0 - 10s, Block 2: 10 - 20s, Block 3: 20 - 30s etc.). The value of the integral in each block was used for fNIRS analysis.