

Brain Activity during Psychokinetic Task - Research with Near Infrared Spectroscopy

Results:

[Objectives] To test teleportation phenomenon by a famous Chinese psychic and study brain blood flow change during teleportation tasks.

[Methods] Subject was a Chinese female W004. Targets were vitamin C pills of Chocola (Eisai) on an electric balance or in a bottle. W004 tried to teleport pills in free style tests. One trial was 30-45 min. All tests were monitored by video cameras.

[Measurements] Brain blood flow was measured by fNIRS; OMM-3000 (Shimadzu) which uses 3 NIR lasers of 780, 805 and 830nm. Respiration, electrodermal activity and photoplethysmograms were measured by MP150 (Biopack Systems). Pill weights were measured with an analytical semi-micro balance every second at 0.01 mg accuracy. Two RNGs and thermo sensors were set around the balance. An electrostatic voltmeter was set in front of the balance.

[Psychological Tests] W004 was given a profile questionnaire and 5 questionnaires on character traits. Uchida-Kraepelin Psychodiagnostic test was also done. To get usual activities for W004, she was given facial recognition tests using photos of a young Japanese woman's face as stimuli; six basic emotions were laughter, surprise, fear, anger, dislike and contempt, and 10 intermediate faces.

[Results] Good results on teleportation were not obtained. There was no anomaly detected by the IR sensors and thermo camera. During PK tasks, electric charge of W004's body vibrated at low frequency. Brain blood flow increased at her right hemisphere during teleportation tasks. The activated areas were similar to those during facial recognition tests. Personality of W004 was common, not abnormal.

Published work:

Kokubo H and Yamamoto M: Research on brain activity during psychokinesis task. *Proceedings of the 4th Psi Meeting*, (in press), at Faculdades Intergradas Espirita, Curitiba, Brazil, July 10-13, 2008.

Kokubo H, Yamamoto M, Usui T and Yoichi H: Brain blood flow during psychokinesis tasks - Biophysical and psychophysiological study on a psychic -. *Journal of International Society of Life Information Science*, 26(2), 223-246, 2008.

Kokubo H, Usui T, Yamamoto M and Yoichi H: Psychophysiological study on a psychic during PK and facial recognition tasks. *Japanese Journal of Parapsychology*, 13, 18-27, 2008. [in Japanese]

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