

P-382 - DOES ANOTHER COMMUNICATION MEANS EXIST? THE STUDY ON BRAIN ELECTRICAL ACTIVITY OF COGNITIVE AND AFFECTIVE COMMUNICATION NOT THROUGH FIVE SENSORY MODALITIES

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To demonstrate whether communication phenomenon of brain electrical activity, NOT through modalities including visual, auditory, tactile, olfactory and tasting inputs, related to emotional or cognitive content, between two adults individual (named as SENDER and RECEIVER) exists.

We applying high density ERP technique, using CAPS, letter pictures, CAFPS as stimuli compare the information of ERP differences on RECEIVER at the same time the SENDER perform a standard categorization task which lead to significant difference in ERP.

We found ERP of SENDER show difference significantly in the s1 (neutral pictures), s2 (extremely negative pictures) and s3 (letter pictures), simultaneously, under the different stimuli of SENDER, The ERP of RECEIVER show that there is the significant difference in late potentials between s2 and s1, between s2 and s3 which may be much wider. There is no difference between happy face sad face angry face pictures in ERP of RECEIVER.

This finding support the communication between brain electrical activity of two separated subjects isolated from five sensory channels may happen, it may occur at the same time or delay, Cognitive and emotional experience may arouse electrical activity of different brain region, the detail of communication tend to affective content about self-experience.