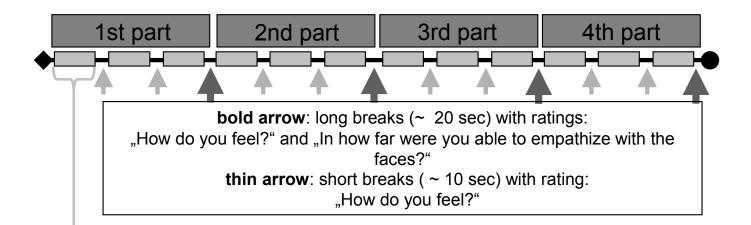
Test-retest reliability of frontal alpha-asymmetry during presentation of emotional facestimuli in healthy subjects

Kristin Koller-Schlaud^{a,b}, Julia Querbach^a, Joachim Behr^{a,b,c}, Andreas Ströhle^a, Johannes Rentzsch^{a,b}

- ^a Department of Psychiatry and Psychotherapy, Charité Universitätsmedizin Berlin, Campus Charité Mitte, Charitéplatz 1, 10117 Berlin, Germany
- ^b Department of Psychiatry, Psychotherapy and Psychosomatics, Brandenburg Medical School Theodor Fontane, Fehrbelliner Straße 38, 16816 Neuruppin, Germany
- ^c Faculty of Health Science Brandenburg, Joint Faculty of the University of Potsdam, Brandenburg University of Technology Cottbus-Senftenberg and Brandenburg Medical School Theodor Fontane, Karl-Liebknecht-Str. 24-25, 14476 Potsdam, Germany

Supplemental Figures 1

Figure 1 shows the experimental task. For description see manuscript.



Six alternating trials of happy and sad face stimuli



task: button press when change of emotion is detected each face is presented for 1.000 ms

1 trial consists of 5 - 8 faces of one emotion consecutively and is followed by a trial with the other emotion (e.g. happy-sad-happysad-happy-sad or sad-happy-sadhappy-sad-happy)

please note:

the depicted sample of face stimuli shows female faces only. In the study task faces were gender randomized

time

Supplemental Figures 2 A - D

Figures show power values (μ V) from 5-30 Hz of the FFT analysis for left and right electrodes and the topographic distribution of the alpha power band (8-13 Hz).

Please note the different scales of the topographic maps: 0.3-0.5 μV^2 for 1st session and 1st block and 0.3-.07 μV^2 for 2nd session and 2nd block .

- A: Happy face condition: shown are the results of the first and second block across session 1 and 2.
- B: Happy face condition: shown are the results of the first and second session across both blocks.
- C: Sad face condition: shown are the results of the first and second block across session 1 and 2.
- D: Sad face condition: shown are the results of the first and second session across both blocks.

