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Unresolved-disorganized attachment, psychopathology, and the adolescent brain

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<http://www.FMRIB.ox.ac.uk/fsl> ; FSL FMRIB's Software Library

APPENDICES

STUDY DESIGN EPISCA



Graphic representation study design Emotional Pathways' Imaging in Clinical Adolescents (EPISCA) , slight variation presented at Publiekslezing "Hersenspingsels" LIBC, Leiden, May 15th, 2010

Studies presented in this thesis used data from Measurement 1 only

MEASUREMENT

- MRI scan
 - o Emotional faces task
 - o RSFC, fMRI (task), VBM/DTI/Structural, MTI, MRS
- Questionnaires/testing
 - o Psychopathological symptoms, coping, competence feeling, puberty
 - o IQ (6 subtests WISC or WAIS)
- Interviews
 - o ADIS (Silverman, Saavedra, & Pina, 2001)
 - o AAI (Main, Kaplan, & Cassidy, 1985)

EMOTIONAL FACES TASK

Four questions:

How afraid are you?

How happy are you?

How wide is the nose

Passive viewing

Three facial expressions:

Afraid

Happy

Neutral

- Several conditions
 - Focus on questions
 - Focus on emotions
 - Interaction between questions and emotions
- Behavioural data
 - Reaction times
 - Subjective scores
- fMRI data

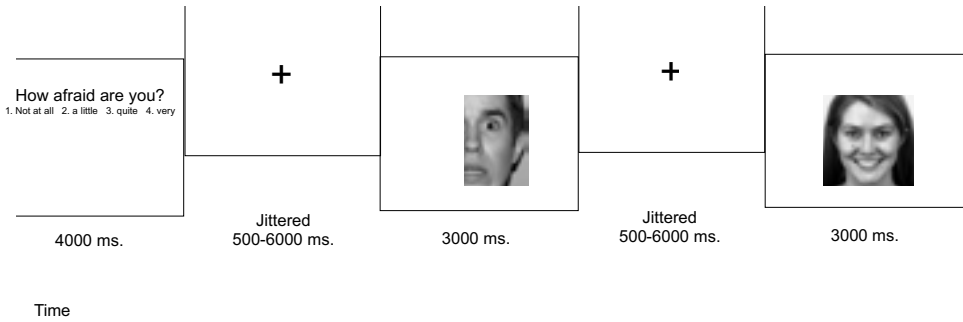


Fig. X. Display of task design. Subjects were presented with one of four states, followed by a centrally located cue, after which one of the emotional faces was shown. Subjects were asked to rate each emotional face on a four-point rating scale ranging from 'not at all' to 'very', based on the presented state. During scanning reaction times and subjective scoring were registered.

