

P-804 - NEUROFUNCTIONAL BASIS OF SOCIAL COGNITION IN SUBCLINICAL PARANOID IDEATION AND SOCIAL ANXIETY

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Introduction: Impaired social functioning is a hallmark characteristic of several mental disorders including those characterized by paranoid ideation (P) and social anxiety (SA). Social deficits have been related to impaired social cognition.

Objectives: To investigate the neurofunctional basis of social cognition in people with subclinical P and SA.

Methods: 13 healthy participants with high paranoid ideation; 12 healthy participants with high social anxiety. Procedures and Instruments: Paranoid Thoughts Scale, Liebowitz Social Anxiety Scale, Cardiff Anomalous Perceptions Scale . Brain response to social stimuli was investigated with two event-related fMRI experiments with implicit processing of facial expressions of happiness and anger in two different intensities, and with faces expressing no emotion.

Results: People with P recruit differentially and positively the Left Lingual ($p < 0,05$ FWEcorr), and close to significant ($p < 0,06$ FWEcorr) the Right Caudate when processing neutral faces. People with SA only showed significant positive differences ($p < 0,05$ FWEcorr) in the Right Inferior frontal gyrus when processing anger stimuli at 100%. When comparing both groups, we did not find significant differences.

Conclusions: The preliminary results indicate a stronger recruitment of emotional and visual areas in P subjects when processing neutral faces and a stronger recruitment of cognitive processing areas in SA subjects when processing angry faces.