



The Brain Mechanisms for Processing Information Regarding Empathic and Forgivability: A Systematic Review

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ABSTRACT The aim of this systematic review was to investigate the brain mechanisms in processing information regarding empathic and forgivability. The researchers reviewed the literature in PubMed-MEDLINE with the following keywords: “empathy” or “empathic”, “forgiveness” or “forgivability”, “empathy and forgiveness”, and “empathic and forgivability”. The researchers collected and analyzed all relevant studies to answer this question and found three studies. The empathy and forgivability judgment paradigms both activated brain areas in healthy subjects and in patients with schizophrenia. However, there was no such activation in Post-Traumatic Stress Disorder (PTSD) patients. With 37 participants, the researchers discovered three studies. They found in one research that empathic and forgivability judgments in healthy subjects were correlated with significant activations of left superior frontal, orbitofrontal gyri, and precuneus. The study evaluated with schizophrenia patients activated left medial prefrontal cortex. In another study, in the PTSD no brain activity was detected.