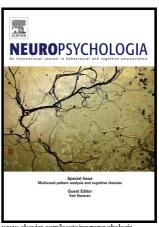
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Hidden sources of joy, fear, and sadness: Explicit versus implicit neural processing of musical emotions

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Hidden sources of joy, fear, and sadness: Explicit versus implicit neural processing of musical emotions

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Abstract

Music is often used to regulate emotions and mood. Typically, music conveys and induces emotions even when one does not attend to them. Studies on the neural substrates of musical emotions have, however, only examined brain activity when subjects have focused on the emotional content of the music. Here we address with functional magnetic resonance imaging (fMRI) the neural processing of happy, sad, and fearful music with a paradigm in which 56 subjects were instructed to either classify the emotions (explicit condition) or pay attention to the number of instruments playing (implicit condition) in 4-sec music clips. In the implicit vs.

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