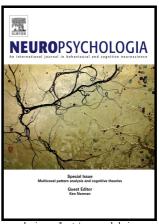
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Can motor imagery and hypnotic susceptibility explain Conversion

Disorder with motor symptoms?

Alexander J. Srzich^{1,2}, Winston D. Byblow^{1,2}, James W. Stinear^{1,2}, John Cirillo^{1,2}, J. Greg Anson^{1,2*}
¹Movement Neuroscience Laboratory, Department of Exercise Sciences, the University of Auckland, New Zealand

Abstract

Marked distortions in sense of agency can be induced by hypnosis in susceptible individuals, including alterations in subjective awareness of movement initiation and control. These distortions, with associated disability, are similar to those experienced with Conversion Disorder (CD), an observation that has led to the hypothesis that hypnosis and CD share causal mechanisms. The purpose of this review is to explore the relationships among motor imagery (MI), hypnotic susceptibility, and CD, then to propose how MI ability may contribute to hypnotic responding and CD. Studies employing subjective assessments of mental imagery have found little association between imagery abilities and hypnotic susceptibility. A positive association between imagery abilities and hypnotic susceptibility becomes apparent when objective measures of imagery ability are employed. A candidate mechanism to explain motor responses during hypnosis is kinaesthetic MI, which engages a strategy that involves proprioception or the "feel" of movement when no movement occurs. Motor suppression imagery (MSI), a strategy involving inhibition of movement, may provide an alternate objective measurable phenomenon that underlies both hypnotic susceptibility and CD. Evidence to date supports the idea that there may be a positive association between kinaesthetic MI ability and hypnotic susceptibility. Additional evidence supports a positive association between hypnotic susceptibility and CD. Disturbances in kinaesthetic MI performance in CD patients indicate that MI mechanisms may also underlie CD symptoms.

²Centre for Brain Research, the University of Auckland, New Zealand

^{*}Correspondence to: Greg Anson, Department of Exercise Sciences, the University of Auckland, Private Bag 92019, Auckland 1142, New Zealand. Email: g.anson@auckland.ac.nz

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