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The differentiation of postural control by manipulating visual perception through prism adaptation

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Abstract

Postural control is affected in cases of neurological pathology. One of the main deficits is the body's midline shift, affecting the body symmetry, motor-visual coordination and completely changing the balance and prospects of movement. The reorganization and realignment of body's midline shift could be accomplished by manipulating visual perception through prism adaptation and it is a priority goal in neurorehabilitation. In many cases, visual system could be used as the key system of postural control in daily functional tasks and prisms are the main tool of visual manipulation and adaptation for this purpose.

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