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Title: Motor dysfunction in complex regional pain syndrome : the role of sensory processing and sensory-motor integration
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Motor Dysfunction in Complex Regional Pain Syndrome.
The Role of Sensory Processing and Sensory-Motor Integration.

1. Abnormal postures in patients with longstanding CRPS do not exhibit the characteristics typical of dystonia. (This thesis)

2. Motor dysfunction of CRPS is associated with impaired processing of proprioceptive information. (This thesis)

3. Impaired bimanual coordination in patients with CRPS is primarily due to inappropriate integration of afferent and efferent signals in higher-order neural centers involved in the motor control of the affected limb. (This thesis)

4. The observed impairment of intended interlimb interactions does not necessarily imply a psychogenic origin of the motor dysfunction of CRPS. (This thesis)

5. Incongruence of the cortical sensory and motor representations of the affected limb may contribute to an abnormal self-perception and disrupted body scheme in CRPS. (Maihöfner, C., Baron, R., DeCol, R., Binder, A., Birklein, F., Deutschl, G. Handwerker, H.O., Schattschneider, J. Brain 2007;130(10):2671-2687)

6. Although the motor adaptation to pain achieves a short-term goal of protection from further pain, injury, or both, the adaptation may have consequences that could lead to further problems in the long term. (Hodges, P., Tucker, K. Pain 2011;152(3):S90-98)

7. Chronic pain can be viewed as a state of continuous learning coupled with reduced opportunity for forgetting. (Apkarian, A.V., Hashmi, J.A., Baliki, M.N. Pain 2011;152:S49-S64)

8. The direct relation between pain reduction – regardless of whether this was achieved by administration of intravenous ketamine or placebo – and improvement of motor function in CRPS indicates that pain relief may be an important factor in the treatment of motor disturbances in this condition. (Schilder, J.C.M., Sigtermans, M.J., Schouten, A.C., Putter, H., Dahan, A., Noldus, L.P.J.J., Marinus, J, van Hilten, J.J. J Pain 2013;14(11):1514-1521)

9. If better is possible, good is not good enough.

10. Baking an apple pie positively affects one’s mood. (Freely translated from ‘Loesje’)

11. Life is not about learning how to overcome uncertainty, but about learning how to accept it.

12. Everything discovered in a given domain is almost nothing in comparison with what is left to be discovered. (Santiago Ramón y Cajal, 1852-1934)