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# Stellingen

behorend bij het proefschrift

## 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., Deuschl, 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*)