

## Motor Function Disturbances: Contralateral Effects

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### Abstract

© 2014, Springer Science+Business Media New York. Electromyography methods were employed to examine the mechanisms underlying changes in the functional state of the contralateral neuromotor apparatus of rat gastrocnemius muscle during unilateral limitation of the hind leg motor function. Elimination of one hind leg from the total pattern of motor activity affected the state of contralateral neuromotor apparatus via changing the properties of motoneurons in the corresponding spinal motor center resulting mostly from activation of the bilaterally acting spinal mechanism.

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### Keywords

contralateral changes, electromyography, functional motor limitation