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Spinal Circuits and the Musculoskeletal System

By Segal

Karger, 2011. Taschenbuch. Book Condition: Neu. Gebraucht - Sehr gut - ungelesen, sehr guter Zustand; Rechnung mit MwSt.; unused/unread, very good condition; - This special issue presents a number of basic science studies investigating the interaction of the musculoskeletal system with spinal circuits in movement control and movement dysfunction, particularly in relation to peripheral nerve injury. At the same time, the necessity to translate basic science knowledge into clinical practice is emphasized and models of such a translation are discussed. The papers included in this issue report experiments with animal models such as cats and rats and discuss possible consequences following from these findings. Firstly, it is observed how transection and surgical repair of different nerve groups affect movement control. Also, it is illustrated how the motor system is capable of preserving the trajectories during locomotion in the face of paralysis of major muscle groups. Furthermore, effects of denervation of selected ankle extensors on movement control are tested and analyzed. Finally, the dampening effect of the popliteal fat pad on locomotion is examined, with possible implications for obesity. This special issue furthers the understanding of the locomotor system after lesions and is essential for both basic scientists and clinicians treating...



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Reviews

I actually started out looking at this publication. it was actually writtern really perfectly and useful. Its been written in an extremely simple way and it is only soon after i finished reading through this pdf by which really modified me, change the way i really believe.

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Undoubtedly, this is actually the very best job by any writer. It is loaded with wisdom and knowledge You will not really feel monotony at anytime of your respective time (that's what catalogs are for concerning when you check with me).

-- **Prof. Lawson Stokes IV**