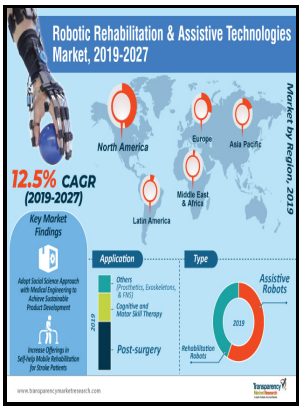
Control of movement for the physically disabled - control for rehabilitation technology

Springer - Spinal Cord Control of Movement: Implications for Locomotor Rehabilitation Following Spinal Cord Injury



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Notes: Includes bibliographical references and index
This edition was published in 2000

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New tech to help disabled people

Advances in emergency stroke treatment can limit damage to the brain, which occurs either from bleeding into and around the brain hemorrhagic stroke or from lack of blood flow to a region where nerve cells are robbed of vital supplies of oxygen and nutrients and subsequently die ischemic stroke.

CONTROL OF MOVEMENT FOR THE PHYSICALLY DISABLED

The brain has an intrinsic ability to rewire its circuits after a stroke, which leads to some degree of improved function over months to years.

CONTROL OF MOVEMENT FOR THE PHYSICALLY DISABLED CONTROL FOR REHABILITATION TECHNOLOGY

People who had a stroke also could lose the ability to recognize objects that they are holding or even their own limb. But many went without the care of attendants, or back-up ventilators, catheters, or other necessary equipment.

Spinal Cord Control of Movement: Implications for Locomotor Rehabilitation Following Spinal Cord Injury

By tracking movements inside the home, it can alert loved ones if anything unusual happens, while it can also be adapted for people living with physical illnesses or disabilities. Numbness or tingling in a limb may continue even after recovering some movement. I contend it is in the best interest of our patients and our profession to investigate fully how we might best use these skills, in conjunction with treadmill training and FES and along with newer approaches such as BWS training, to develop evidence-based interventions.

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