

Indication of Biofeedback

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Biofeedback is an instrumentation and technique which is used to accurately measure, process and feedback some reinforcing information via auditory or visual signals by electronic or electromechanical device especially for therapeutic purposes.

Peripheral nerve injuries: Biofeedback can be used in the treatment of recovering peripheral injuries.

Spinal cord injury: Biofeedback techniques have been recommended and applied in the rehabilitation of spinal cord injury patients.

Hemiplegia: Several studies have found biofeedback to be useful method of treatment in hemiplegia. Biofeedback is commonly used into re-educate controlled dorsiflexion of foot and thus to improve gait.

Dystonic conditions: Dystonic conditions in which the patient suffers uncontrollable movements and postures can also be treated with EMG biofeedback.

Treating spasticity: Several spastic conditions such as cerebral palsy, multiple sclerosis, head injury, etc. can be treated with biofeedback in order to reduce and control spasticity.

Postural control: Biofeedback devices are used to have appropriate postural control.

Muscle strengthening: Muscle strength training devices have an electronic display which indicates the strength in a muscle and acts as a biofeedback to the exercising muscles.

Functional re-education: Biofeedback can be effectively used in improving functional re-education.

Providing relaxation: Biofeedback devices are used effectively for providing general relaxation to the body.