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## UTILIZATION OF MODERN DEVICES TO SUPPORT THE PROCESS OF NEUROREHABILITATION

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**Introduction:** Restoration of gait after Central nervous system damage is a major goal in neurorehabilitation. Modern concepts of motor learning promote functional therapy, i.e. to learn to walk again, the correct gait pattern must be repeated many times.

**Purpose:** The aim of the study was to present the procedure for gait re-education, based on the example of a patient with spinal cord injury.

**Methods:** Examples of the use of devices such as Erigo, Lokomat, Exoskeleton and magnetic stimulation to support the process of neurorehabilitation are presented.

**Results:** Combining traditional rehabilitation with device training is beneficial in rehabilitating patients after central nervous system damage because it offers additional therapeutic effects that cannot be achieved by conventional therapy alone.

**Conclusions:** Neurorehabilitation assisted by robotic devices enables intensive and effective restoration of functions, while reducing the burden on the physiotherapist.

**Keywords:** Physiotherapy, Modern technologies, Central nervous system damage.