Lokomat (Hocoma AG) Driven Gait Orthosis (DGO) for use in children with cerebral palsy

Record Status
This is a bibliographic record of a published health technology assessment. No evaluation of the quality of this assessment has been made for the HTA database.

Citation
Lokomat (Hocoma AG) Driven Gait Orthosis (DGO) for use in children with cerebral palsy. Lansdale: HAYES, Inc.. Healthcare Technology Brief Publication. 2013

Authors' conclusions
Cerebral palsy (CP) is a group of nonprogressive, permanent disorders affecting cognitive and motor development that result from disturbances occurring during brain development in the fetus or infant. Motor impairments such as weakness, fatigue, poor balance and coordination, rigidity, clonus, and spasticity are common in patients with CP. Spasticity can promote muscle stiffness, functional impairment, and atrophy. If left untreated, spasticity can lead to muscle fibrosis, contractures, and musculoskeletal deformities. CP is the most common childhood motor disability and is estimated to affect 1 in every 303 children in the United States. First-line treatment options include nonsurgical therapies such as physical therapy, occupational therapy, hippotherapy, orthotics/casting and postural management, and medications. Orthopedic and neurosurgical procedures may also be considered in treatment depending on symptoms and response to conservative treatments.

Final publication URL
The report may be purchased from:http://www.hayesinc.com/hayes/crd/?crd=15630

Indexing Status
Subject indexing assigned by CRD

MeSH
Cerebral Palsy; Gait; Childs; Robotics

Language Published
English

Country of organisation
United States

English summary
An English language summary is available.

Address for correspondence
HAYES, Inc., 157 S. Broad Street, Suite 200, Lansdale, PA 19446, USA. Tel: 215 855 0615; Fax: 215 855 5218 Email: hayesinfo@hayesinc.com

AccessionNumber
32013000835

Date abstract record published
13/11/2013