A new ortesis for multilevel surgery on lower limbs in cerebral palsy children
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Objective.– Immobilization after surgery of lower limbs is difficult and long to install on the operating table, inducing complications and delays in starting physiotherapy. We built posture apparatus, which can be made before the operation, fitted to the orthopaedic corrections after surgery and removable and adjustable for the needs of physiotherapy.

Method.– We improved this orthosis during the follow-up of 31 cerebral palsy patients after multilevel surgery on the lower limbs.

Results.– The apparatus includes two valves, one crural, one sural connected by a flexible metallic blade according to the residual permanent flexion of the knee and allowing a regulation in length; inside, there is a removable plastazote, it can be cut and enlarged for dressings. A droplet flexible valve with elastic is used to protect the heel. A control system of the abduction completes the apparatus.

Discussion.– Benefits are evident: time of anesthesia is reduced, surgical cost is reduced, nursing is quite easier, and physiotherapy is earlier. During this study, we had only few complications and because of this ortesis we avoided great complications.

Conclusion.– This ortesis seems to be useful in the treatment of cerebral palsy patients with multilevel surgery on the lower limbs.

Further readings

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Premature epiphyseal closure in an adolescent treated by retinoids for acne: An unusual cause of anterior knee pain
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Skine traction for humeral fracture healing, after surgical resection of an osteochondroma, in a case of child with persistent vegetative state
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Obstetrical brachial plexus palsy: 22 cases
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- Obstetrical palsy
- Brachial plexus
- Pediatric rehabilitation

Objective.– Our work aims to assess the modalities of management of obstetrical brachial plexus palsy in the PMR pediatric unit.