

Management of hypertonia in cerebral palsy targets the functional goals of the patient and caregiver. Treatment options are conceptualized as surgical or nonsurgical, focal or generalized, and reversible or irreversible. The role of pharmacologic therapies is to improve function and mitigate adverse effects. Further investigation, including clinical trials, is required to determine the role of deep brain stimulation, intraventricular baclofen, orthopedic procedures for dystonia, and rhizotomy <sup>1)</sup>.

The management of cerebral palsy (CP) is complex and requires a multidisciplinary approach. Selective dorsal rhizotomy (SDR) is a neurosurgical technique that aims to reduce spasticity in the lower limbs. A minimally invasive approach to SDR involves a single level laminectomy at the conus and utilises intraoperative electromyography (EMG). When combined with physiotherapy, SDR is effective in selected children and has minimal complications. This review discusses the epidemiology of CP and the management using SDR within an integrated multidisciplinary centre. Particular attention is given to the single-level laminectomy technique of SDR and its rationale, and the patient workup, recovery and outcomes of SDR <sup>2)</sup>

<sup>1)</sup>

Nahm NJ, Graham HK, Gormley ME Jr, Georgiadis AG. Management of hypertonia in cerebral palsy. Curr Opin Pediatr. 2017 Nov 11. doi: 10.1097/MOP.0000000000000567. [Epub ahead of print] PubMed PMID: 29135566.

<sup>2)</sup>

Graham D, Aquilina K, Cawker S, Paget S, Wimalasundera N. Single-level selective dorsal rhizotomy for spastic cerebral palsy. J Spine Surg. 2016 Sep;2(3):195-201. Review. PubMed PMID: 27757432; PubMed Central PMCID: PMC5067263.

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