

# Secondary dystonia

Refers to dystonia brought on by some identified cause, such as head injury, drug side effect (e.g. [tardive dystonia](#)), or neurological disease (e.g. Wilson's disease).

Levodopa Responsive [Juvenile Dystonia](#) and Parkinsonism Secondary to SPG11 Mutation.

see [Generalized dystonia](#).

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The aim of a study was to evaluate the use of a novel technique for [baclofen](#) delivery using an [intrathecal catheter](#) inserted through a [lumbar laminotomy](#) with the tip placed at the [cisterna magna](#) (supraspinal [baclofen](#) (SSB)) for the treatment of severe generalized secondary [dystonia](#).

A cohort study of six individuals (4M/2F, mean±SD = 15±4.86 years) with generalized dystonia unresponsive to oral medications were treated with SSB and followed clinically for 8 years. Intrathecal catheter tips were positioned under fluoroscopic guidance just above the level of the foramen magnum, at the cisterna magna.

Five of the 6 patients experienced sustained benefit with SSB; the group mean modified Fahn-Marsden scale scores decreased from 95 to 55 ( $t = 3.29$ ,  $p = 0.02$ ). One patient suffered a complex pump pocket infection and therefore underwent pump explantation.

Supraspinal [baclofen](#) may be an effective method for infusing baclofen into the [ventricular system](#) of the brain for the treatment of [secondary dystonia](#) which is unresponsive to oral therapy <sup>1)</sup>.

## Focal Dystonia

### [Focal Dystonia](#)

<sup>1)</sup>

Wu J, Ceverha B, Yeh BY, BeDell KK. Supraspinal baclofen for the treatment of secondary generalized dystonia: A case series. J Pediatr Rehabil Med. 2022 Mar 4. doi: 10.3233/PRM-210044. Epub ahead of print. PMID: 35253660.

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