

Parkinsonism

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Parkinsonism is a clinical [syndrome](#) characterized by [tremor](#), [bradykinesia](#), [rigidity](#), and [postural instability](#).

Etiology

Parkinsonism may be primary or secondary to other conditions. All result from a relative loss of [dopamine](#) mediated inhibition of the effects of [acetylcholine](#) in the [basal ganglia](#).

Ischemic (lacunes in basal ganglia): produces so-called arteriosclerotic parkinsonism AKA vascular parkinsonism: “lower-half” parkinsonism (gait disturbance predominates ¹⁾).

Also causes pseudobulbar deficits, and [emotional](#) lability. Tremor is rare

It is found in [Parkinson's disease](#) (PD)—after which it is named—dementia with Lewy bodies (DLB), and Parkinson's disease dementia (PDD), and many other conditions. A wide range of causes may lead to this set of symptoms, including [neurodegenerative](#) conditions, drugs, toxins, metabolic diseases, and neurological conditions other than PD.

see [Parkinson's disease](#)

see [Secondary parkinsonism](#).

Despite various neurologic symptoms of Poland syndrome (PS), [parkinsonism](#) was never reported in PS, and the response to the treatment of parkinsonism was not studied before. Youn et al. report a case of ipsilateral parkinsonism in PS, similar to hemiatrophy-hemiparkinsonism, with a good response to [levodopa](#) and [subthalamic deep brain stimulation](#). ²⁾

¹⁾

Lang AE, Lozano AM. Parkinson's Disease. First of Two Parts. N Engl J Med. 1998; 339:1044-1053

²⁾

Youn J, Gorodetsky C, Lozano AM, Lang AE, Fasano A. Hemiatrophy-hemiparkinsonism and Poland syndrome: A causative or coincidental association? Parkinsonism Relat Disord. 2023 Apr 15;110:105402. doi: 10.1016/j.parkreldis.2023.105402. Epub ahead of print. PMID: 37084521.

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