



# Cerebellar Aneurysm and Gait Disorder : A Systematic Review

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Article Info	ABSTRACT
<p><b>Article type:</b> Review article</p>	<p><b>Background and Aim:</b> Only 2–3% of ischemic strokes are isolated infarctions of the cerebellum. The infarction in each region of the cerebellum leaves a distinct sign. The superior cerebellar artery infarction causes the ataxia of the limb. The infarction in the posterior artery causes imbalance in gait. Due to damage in each area, it will have certain neurological symptoms, which can include headaches and dizziness</p>
<p><b>Article History:</b> Received: 20 January 2020 Revised: 04 March 2020 Accepted: 14 May 2020</p>	<p><b>Materials and Methods:</b> This research is a systematic review study based on the PRISMA checklist. These articles are chosen by search in Science Direct, PubMed and Scopus databases and Google scholar search engine with 2012 to 2017 publication dates filter and keywords “gait disorder in cerebellar aneurysm” and “cerebellar ataxia and gait pattern”.</p>
<p><b>Keywords:</b> Cerebellar aneurysm Cerebellar ataxia Neurological</p>	<p><b>Results:</b> 58 articles are chosen and base on inclusion criteria, 7 articles have the eligibility. Patients with cerebellar aneurysm have various types of gait disorders specially ataxia. Patients with ataxia, show irregular walking pattern that can limit their daily activities. Patient with cerebellar ataxia have hyper tone muscle and they have disorder in joints internal coordination. Another relevant disorder could be Sudden Stopping. This disorder could be challenging because it can decrease the limb balance and increase the falling possibility.</p> <p><b>Conclusion:</b> Cerebellar aneurysm lesion has various types of walking and gait disorders that identification of neurological and biomechanical features of this disorders can be helpful to create an appropriate therapeutic and rehabilitation strategy for these patients.</p>

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