

# Disorders of cerebellar function/Repetitorium

## Disorders of the cerebellum

**Presumed concepts:** functions of individual parts of the cerebellum

### A flag file

- *ataxia*: disorder of standing, walking and maintaining balance;
- *asynergy*: disorder of coordination of distant muscle groups;
- *dysmetria*: goal pursuit;
- *adiadochokinesia*: inability to perform rapid alternating movements, eg supination/pronation;
- *intention tremor*: shaking during **targeted** movements (as opposed to resting tremor);
- *muscle hypotonia*: passivity.

### Paleocerebellar syndrome

Disorder of **the central parts** of the cerebellum

- affects axial and proximal limb muscles;
- disorders of standing, walking, balance; asynergy.

### Neocerebellar syndrome

Disorder **of the lateral parts** (hemispheres) of the cerebellum

- affects the distal muscles of the limbs and fine motor skills;
- dysmetria, hypotonia, adiadochokinesia, intention tremor.

## Links

### Related articles

- Paleocerebellar syndrome
- Neocerebellar syndrome

### source

- VÍZEK, Martin. *Repetitorium* [online]. [cit. 2012-01-17]. <<https://web.archive.org/web/20130512032641/http://pf.lf2.cuni.cz/vyuka/repetitorium.html>>.