

Angelman Syndrome

Main Features

- Severe developmental delay or intellectual disability
- Severe speech impairment
- Gait ataxia and/or tremulousness of the limbs
- Apparent happy demeanor that includes frequent laughing, smiling, and excitability

Eye Findings

- Strabismus
- Refractive error
- Deep-set eyes

Other Findings

- Seizures
- EEG shows large amplitude slow-spike waves

Etiology

- Deletion or defect in 15q11.2-q13 (80%)
 - Genes in this area control imprinting of other genes and several genes are imprinted in this area.
 - Imprinting leads to methylation or inactivation of certain genes so that maternal and paternal genes don't both function simultaneously.
- UBE3A mutation (11%)
 - Codes for ubiquitin ligase protein
 - Ubiquitination is a process of labeling proteins that targets them for degradation

Reference

- [Gene Reviews](#)
- [Rare Disease Database Entry](#)

[syndrome](#)

From:

<https://childreneye.org/wiki/> - **Children's Eye Wiki**

Permanent link:

https://childreneye.org/wiki/doku.php?id=angelman_syndrome

Last update: **2022/02/03 11:00**

