

# 4<sup>th</sup> Global Pediatric Ophthalmology Congress

March 07-08, 2019 | Berlin, Germany

## Ocular findings and strabismus surgery outcomes in Chinese patients with Angelman syndrome: case series and literature review

**Qiao Tong, Haiyun Ye, Qingyu Liu, Xiaoping Lan, Yidan Zhang, Zheng Ce and Di Yue**  
Shanghai Children's Hospital - Shanghai Jiao Tong University, China

**Purpose:** Angelman syndrome (AS) is a rare genetic disorder characterized by severe mental retardation and ocular anomalies. We aim to identify the ophthalmological features, diagnose and outcomes of strabismus surgery in four such patients and to highlight the gene factors.

**Patients & Methods:** We identified four children with exotropia who had associated clinical features suggestive of AS. All AS patients underwent bilateral rectus recession surgery with the assistant of intravenous combined inhalation anesthesia.

**Results:** All patients with strabismus cannot cooperate with vision test. Retrospective review of medical records of patients with strabismus due to AS was done. Presenting features, ocular findings and ocular motility were noted. All patients underwent different degrees lateral rectus recession and exotropia relieved significantly.

**Conclusion:** The authors observed the ocular findings and strabismus surgery outcomes of four exotropic Angelman syndrome children. Moreover, writers reviewed the literature of AS anesthetics and gene diagnose. Besides of strabismus surgery, these cases also need measures to improve the intelligence and rehabilitation nursing.



### Notes: