

Conference Abstract

DAY 2 16 th September 2023 (Saturday)	POSTER	11.00 am-12.00 pm	Scientific Session 6
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Cyclopia, a variant of holoprosencephaly: A case report**Amogha G Shetty, Balachandra N, Sunil O**

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Background: Cyclopia is a rare variant of holoprosencephaly, alobar holoprosencephaly. Cyclopia typically presents with median single or a partly divided eye in a single orbit, absent nose, and a proboscis above the eye. Cyclopia occurs 1 in every 100,000 live births. The etiology of this rare syndrome, which is incompatible with life, is not known and sporadic. It results from incomplete cleavage of prosencephalon into right and left hemispheres occurring between the 18th and 28th day of gestation.

Case presentation: Anomalous foetus (18 weeks of gestation), a case of spontaneous was referred by the obstetrician for further examination to our department of Anatomy, Dr. B.R.Ambedkar medical college, Bengaluru. The foetus was received from the couple (28 year old primi-gravida and 33 year old spouse). There was no history of maternal illness. Antenatal scan done at 18 weeks of gestation, detected alobar holoprosencephaly and there was no history of intake of any medications including iron and folic acid supplements. Expelled foetus showed median probosis above single median eye, absent nasal apertures and bilateral upper limb preaxial polydactyly.

Results: Facial dysplastic features & prenatal ultrasound detection of fused thalami with single monoventricle confirmed the diagnosis of alobar holoprosencephaly. Medical termination of pregnancy was done on indication of alobar holoprosencephaly at 18 weeks of gestation, as the condition is incompatible with life.

Conclusion: Cyclopia has a poor prognosis. Early transvaginal sonography can diagnose 6-10 weeks of gestation. An early diagnosis allows an easier pregnancy termination. In each of the cases genetic counselling has to be given and carrier genetic testing has to be done to prevent further such pregnancy wastage.

Keywords: Cyclopia, Holoprosencephaly, polydactyl, probosis, sonography