18th World Congress in Fetal Medicine

A case of twin pregnancy with tetralogy of Fallot and lobar holoprosencephaly

Guven S, Sal H, Guvendag Guven ES, Eyuboglu I
Kardeniz Technical University school of medicine, Trabzon, Turkey

Objective

A thirty-six years-old patient, at 20 weeks of gestation, was referred to our centre because of ventriculomegaly. In the ultrasonography, a dichorionic diamniotic twin pregnancy at 20 weeks and 3 days was found. The right-sided fetus was male with no additional anomaly. The left-sided fetus was female and there was hydrocephalic dilatation of the ventricular system and lobar holoprosencephaly. The fetal cardiac axis was deviated to the left. Fetal echocardiography showed a straddling aorta. Pulmonary artery was thinner measuring 3.2 mm. VSD was observed. The right ventricle was hypertrophic. It was described as tetralogy of Fallot. Fetal chromosomal evaluation was recommended.

Methods

Case report.

Results

Family did not accept chromosomal evaluation.

Conclusion

The tetralogy of Fallot is one of the congenital cardiac defects and its development is multifactorial. In cases of micro-deletion, 22q11 is frequent. The tetralogy of Fallot and can be a component of syndromes such as velo-cardio-facial syndrome, which also affect intracranial anatomy.