



Prenatal diagnosis of split hand/foot malformation

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Objective

To present a case of split hand/foot malformation diagnosed at the mid-trimester fetal ultrasound scan.

Methods

The antenatal record of a case of prenatally diagnosed split hand/foot malformation reviewed retrospectively.

Results

A 25 years old woman, gravida 3 para 2, attended the Prenatal Diagnosis and Treatment department for the purpose of routine second-trimester fetal ultrasonography scan. The first-trimester screening test was within normal limits. Her obstetric and medical histories were unremarkable. She had no consanguinity with her spouse. Fetal ultrasonography scan revealed bilateral cleft hands and feet. The anomaly was then further evaluated with transabdominal 4D ultrasonography that showed absent central digits. No associated anatomic anomalies were detected. After the detailed counseling of the parents about the fetal malformation and expected fetal prognosis; they opted for invasive prenatal diagnosis and the termination of pregnancy. Amniocentesis revealed a normal fetal karyotype. The fetal autopsy confirmed the prenatal findings that suggest split hand/foot malformation.

Conclusion

Split hand/foot malformation is rarely diagnosed in the antenatal period, and the definitive diagnosis should be based on prenatal characteristic ultrasonographic findings.

