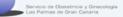


PRENATAL DIAGNOSIS OF INTRA-ABDOMINAL A-V FISTULA IN TWO FETUSES WITH TRISOMY 21

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Introduction



- Congenital intra-abdominal arteriovenous fistula is a rare pathology.
- Prenatal diagnosis is usually performed secondary to nonimmune hydrops.
- The use of colour Doppler is indispensable, which demonstrate the existence of a large anomalous arterial vessel connecting the umbilical vein to the aorta artery, with the presence of pulsed Doppler with a high velocity flow.

We report two cases of arteriovenous communication between the intra-abdominal portion of the umbilical vein and the descending aorta in two fetuses with trisomy 21.

The increased use of colour Doppler could lead to an increase in the diagnosis of intra-abdominal A-V fistula and could even clarify the real association between intra-abdominal A-V fistula and chromosomal alterations such as trisomy 21.