

Case Report: Vein of Galen Malformation Leading to Intrauterine Fetal Demise
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Background: A Vein of Galen malformation is a rare congenital vascular anomaly that can lead to hydrocephalus, fetal hydrops and intrauterine fetal demise. Prognosis, depending on the severity of the malformation, is generally poor.

Case: 36 year-old G3P2002 presented to an outlying facility for history of recent amenorrhea. A viable intrauterine pregnancy was detected by ultrasound, with a crown-rump length measuring <1% per dating by last menstrual period. An anatomy scan at 20 weeks and 3 days showed vascular malformations in the fetal cranium, edema and an elevated SD ratio. MRI confirmed the presence of a Vein of Galen malformation. The patient was later evaluated for suspected decreased fetal movement and diagnosed with an intrauterine fetal demise at 27 weeks and 4 days.

Discussion: This case demonstrates the poor prognosis and lethality of Vein of Galen malformations. At this time, fetal surgical interventions have not been shown to improve outcomes.