

EP 10.53 Intrauterine transfusion for severe fetal anemia due to fetal liver tumor: case report and literature review

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INTRODUCTION

Intrauterine transfusion is a procedure in which blood is transfused in cases of severe fetal anemia. This procedure is increasingly used due to its qualities to reduce fetal morbidity and mortality, as well as improve the prognosis of the newborn. One of the rare etiologies that cause severe fetal anemia has been associated with fetal liver tumors, which rapidly cause severe anemia, such as progression of hydrops to perinatal death.

CASE REPORT

A 34-year-old pregnant patient came to the outpatient clinic for pruritus in the hands and palms, with a history of hypothyroidism with levothyroxine treatment and gestational intrahepatic cholestasis with ursodeoxycholic acid treatment.. At 29 weeks and 4 days of gestation, an obstetric Doppler ultrasound was performed, a vascularized mixed abdominal tumor was evident on the left that deformed the abdomen. It measures approximately 76x56mm. In an obstetric Doppler ultrasound showed a peak systolic of middle cerebral artery of 67.8 cm / second, suggesting fetal anemia. Therefore, it was decided to perform intrauterine transfusion, which improved the fetal anemia. However, the pregnant woman's general condition continued to worsen and the hematologic abnormality was altered, so they decided to terminate the pregnancy.



CONCLUSION

Fetal anemia is not a very common condition. Intrauterine transfusion is the procedure of choice in cases of severe fetal anemia. In cases of fetal anemia associated with highly vascularized liver tumors that still cause anemia, the perinatal prognosis is uncertain.

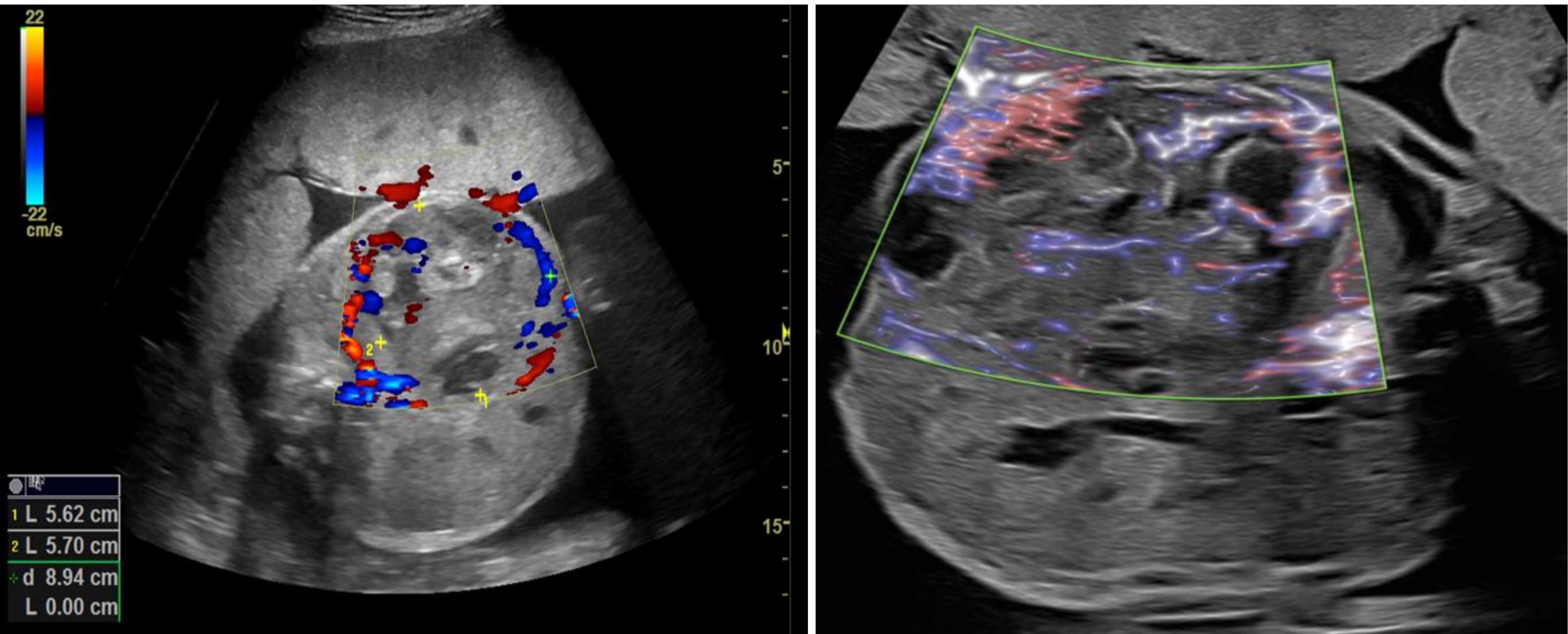


Figure 1 and 2. Cross-section of the abdomen showing a heterogeneous mass with peripheral Doppler flow score color 3

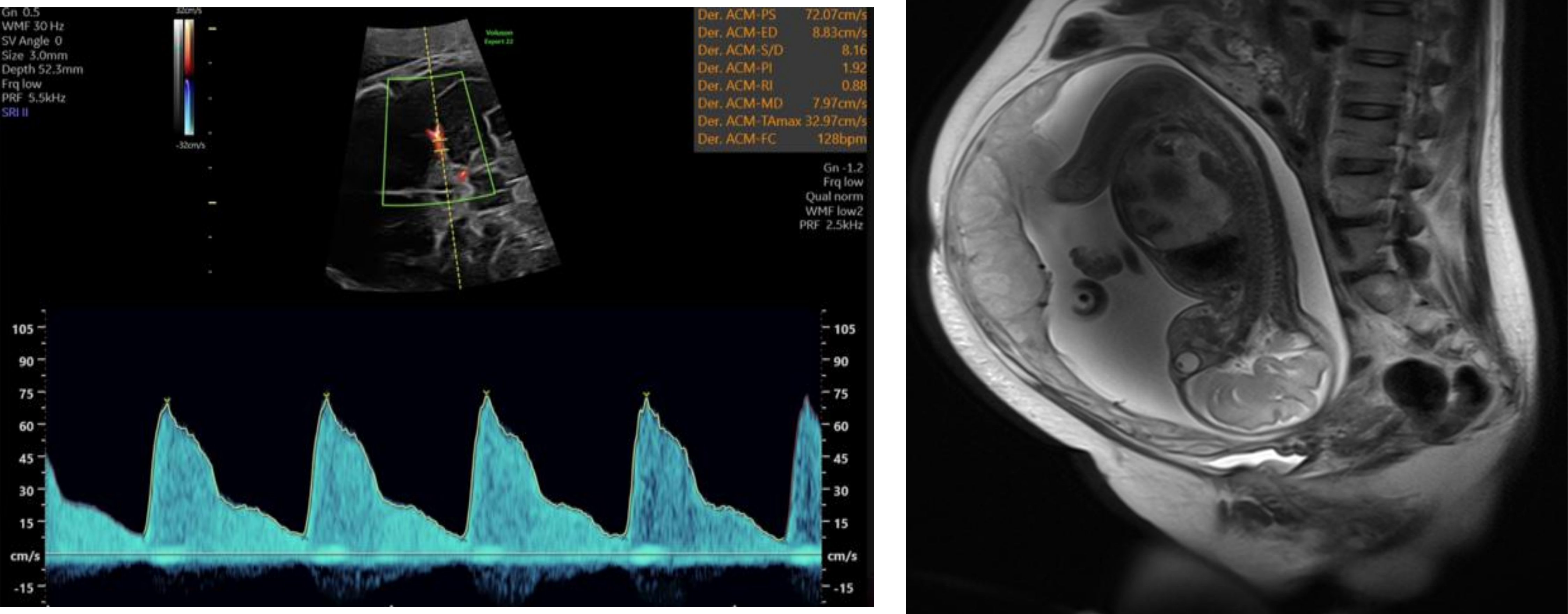


Figure 3. Middle Cerebral Artery with peak systolic 72 cm/sec. Figure 4. Extensive intra-abdominal mass centered in the left hemiabdomen, with heterogeneous signal on T2 with areas of marked low signal