We present prenatal diagnosis of Hemimegalencephaly (HMC) in 2 patients.

**Case 1:** Patient referred at 25 + 2 week gestation, to our center. Ultrasound and MRI examination shows asymmetrical hemisphere diameter and disorganized brain structure in big side brain. Diagnosis of right hemimegalencephaly was made. A cesarean section was performed at 39 + 4 weeks, a female newborn was delivered, and diagnosis of HNH was confirm.

**Case 2:** Patient was referred with at 16 + 1 week, monochorionic biamniotic twin pregnancy. Ultrasound examination at 16 + 4 week didn't show mayor structural abnormalities. At 21 + 2 week ultrasound examination revealed on twin B asymmetric cranial vault, left ventriculomegaly (11 mm). Anterior abdominal wall showed a 44 x 13 mm., cystic image, avascular and septated with no flow to the color Doppler. Right leg also had a 21 x 8 mm., lesion also had no flow to the color Doppler. Twin A didn't show malformations. Diagnosis of HMG in the spectrum of Protos syndrome and type II selective intrauterine growth restriction was made in twin B. At 21 + 3 weeks umbilical cord occlusion was performed. Currently coursing a 32 + 5 week pregnancy, with normal twin A.