A case report of 4D ultrasound diagnosis of anencephaly
Bogavac M, Stajic D, Tatic Stupar Z, Koledin S
University of Novi Sad, Medical faculty, Clinical centre Vojvodina, Department of obstetrics and gynecology Novi Sad, Serbia, Novi Sad, Serbia

Objective
To present a case of early prenatally diagnosed fetal malformation - anencephaly at 13 week of gestation (WG) and the importance of 4D ultrasound diagnosis in the decision to end a pregnancy.

Methods
Case of pregnant women in first trimester pregnancy was presented, where the ultrasound diagnosis of fetal anomaly - anencephaly was set which was terminated by induced abortion.

Results
The fetal defect was discovered in the 13th week of gestation, on regular ultrasound scan of pregnancy. The anomaly was confirmed in the 18th week of gestation, when the patient was referred for a second scan, as she did not accept the diagnosis of the fetal anomaly. The patient was counselled in detail about the diagnosed fetal anomaly which was incompatible with the life as well as the advised to terminate pregnancy. She remained in denial of the diagnosis. Repeated ultrasound examinations confirmed the lack of calvaria and brain substance. The face with a typical "frog face" was seen. Other morphology corresponding with gestation age. The placenta was located anteriorly with an adequate amount of amniotic fluid. Medical abortion was performed. The fetal autopsy confirmed the diagnosis of anencephaly.

Conclusion
With the development of prenatal diagnostics, anencephaly as an anomaly which is incompatible with life can be diagnosed early. Ultrasound especially 4D, is a non-invasive, fast and low cost effective method of prenatal detection of anencephaly.