The effect of psychotropic drugs on fetal behavior assessed by conventional 2D sonography is inconsistent. The use of Kurjak’s antenatal neurodevelopmental test (KANET) to assess fetal neurodevelopment using 4D ultrasound in the third trimester depends on the concept that the fetal brain and central nervous system and their states of development and maturation are represented directly by the behavioral patterns. The aim of the present study was to assess the effect of psychotropic drugs on fetal behavior using KANET in the third trimester of pregnancy.

Conclusions

- The present results suggest that psychotropic drugs may not affect fetal behavioral development in utero.
- Further studies involving a larger sample size are needed to assess the effect of psychotropic drugs on fetal neurobehavior during pregnancy.