In recent years, although multiple pregnancies occur more commonly with the increased use of assisted reproductive technologies and infertility treatments, quadruplet pregnancies are still rare. It is interesting that our case has no previous history of ovulation inducing agent use. Although our patient used oral contraceptives regularly for 2 months, daily for 21 days with a 7 day pill free period where no pills were forgotten, a spontaneous quadruplet pregnancy developed in the month following the use of these 2 boxes of oral contraceptives. We have not come across any such publication.

Case report: A 35 years old female married for 11 years had previously become pregnant after forgetting to take a few oral contraceptive pills (OCS) and now has a 9 years old healthy child. The delivery had been performed by sectio caesarea abdominalis (SCA). Then she used the coitus interrupts method for contraception. She had then decided to use OCS, which she had taken regularly for 2 months. After 2 months of using the pill, she experienced a cessation in menstruation and stopped using the pill. The very next month on the performed ultrasound (USG), she was told that she had a triplet pregnancy. In the USG I performed, I visualized 4 separate sacks and 4 fetal heart beating (fhb) + live pregnancies. The patient requested the termination of this pregnancy.

Conclusion: Multiple pregnancies may develop due to the rebound effect following the use of oral contraceptives. Although there are studies stating that the prior use of oral contraceptives do not increase the success of IVF; in this case, when the rarity of quadruplet pregnancies are taken into consideration, it is thought to be secondary to OCS use and this case was discussed with relevant literature.

Key words: quadruplet pregnancies, spontaneous multiple pregnancy, OCS and multiple pregnancy, IVF and OCS