



A case of a successful pregnancy in a woman with premature ovarian failure

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Objective

To present a case of a successful pregnancy in a woman with premature ovarian failure.

Methods

This is a case report.

Results

A patient aged 35 and height of 169 cm with a history of 3 years of infertility, two unsuccessful assisted fertilizations and myomectomy for removal of endometrial cysts (4cm and 7cm on each ovary) and a normal hysterosalpingography was referred to our unit. The levels of FSH, LH, Estradiol and AMH were 75, 22, <20 and 0.2, respectively. The weight was 59 kg. On the basis of these results, we made a diagnosis of 4th degree POF, insulin resistance, MTHFR and PAI mutations and we recommended therapy with Cyclo-Proginova (since 3rd day of the menstrual cycle 1x1) and metformin (1 x 500mg). Two months later the levels of FSH, LH and estradiol were 11.2, 5.9 and 108, respectively. The weight was 57 kg. We recommended additional therapy with Estrofen tablets (3x2mg 7 days since 3rd day of the menstrual cycle) and IVF process started with folliculometry since the 8th day of the menstrual cycle. After aspiration, additional therapy included anticoagulant therapy (1 ampulla of Fragmin 2500/day). After embryo transfer it was increased to 2 ampules a day and Utrogestan (3x200mg) was added. The pregnancy was successful resulting in the delivery of a term neonate. Four months after delivery the levels of FSH, LH, Estradiol, Prolactine, FT, DHEAS and TSH were 5.6, 1.2, 3.6, 1030, 15.1, 148 and 0.97, respectively. The weight was 67 kg. Follow up is scheduled in 6 months.

Conclusion

A successful pregnancy can be achieved in women with premature ovarian failure.