



## **Multidisciplinary approach to the treatment of sterility in the IVF programme – case report**

Šašić M, Franceskovic D

BelMedic Hospital Belgrade and Specijalna bolnica Beograd, Belgrade, Serbia

### **Objective**

We present an interesting case of an extremely complicated pregnancy with a successful outcome.

### **Methods**

Patient I. S. was born and lives in Belgrade. At the age of 24 she wanted to conceive. She finally achieved pregnancy after many gynecological problems, including painful cycles, ovarian cysts, intermenstrual bleeding and surgery. In September 2008 she underwent laparoscopic bilateral ovarian cystectomy and adhesiolysis. In December 2013, she was diagnosed with Hashimoto's disease and treated with thyroxine. In February 2014, in preparation for IVF, blood tests showed acquired thrombophilia. Intensive treatment with Fraxiparin was given during hormonal stimulation for IVF and pregnancy. In November 2014, she began IVF treatment with aspiration of egg cells on November 24th. The attempt was unsuccessful. The period after IVF, the cycles were irregular and heavy. The right ovary on examination was cystic and thick and there was a left hydrosalpinx. In May 2015, she developed severe pain and intramenstrual bleeding. On examination the endometrium measured 7.4 mm, right adnexa was thickened, cystic, beta hcg was positive. Repeat beta-hcg after 5 days was 150 indicating pregnancy. Because of the presence of abdominal pain and bleeding she was hospitalised and had a diagnostic laparoscopy followed by an intra-abdominal haemorrhage and blood transfusion. After the surgery, the pregnancy continued. In July, at 10 weeks of pregnancy she was hospitalized due to bleeding and administered Fragmin and Progesterone. By the end of the pregnancy, she had been regularly hospitalized once a month at the Department of High Risk Pregnancy.

### **Results**

On January 22th, 2016 she delivered a healthy male infant weighing 3300g by a planned Caesarean section.

### **Conclusion**

After 2 laparoscopic surgeries, IVF, hereditary thrombophilia and Hashimotos disease, she achieved a successful pregnancy. Sometimes science is powerless before nature and knowledge.