FIRST TRIMESTER COMBINED TEST

First trimester combined test is an examination of women in the first trimester of pregnancy. Its aim is to detect the most common fetal chromosomal defects such as Down syndrome (trisomy 21).

What do we examine?

Special software has been developed to calculate the baby´s risk for chromosomal defect in particular pregnant woman. Using the combination of maternal age, result of blood test (level of beta hCG and PAPP-A) and ultrasound provides us high detection rate of fetal chromosomal defects (up to 95%).

When do we perform the examination?

Between 9. and 10. week of pregnancy we take blood sample from patient´s arm to analyze PAPP-A and beta hCG and measure the fetus by ultrasound to determine the accurate fetal age. Between 11.and 14.week of pregnancy a special ultrasound examination is performed. During this examination fetal morphology is checked together with NT (nuchal translucency) and other markers such as the presence/absence of nasal bone, presence/absence of tricuspid regurgitation and flow in venous duct (ductus venosus).

Where do we perform the examination?

Our gynaecological outpatient department is located on the first floor of our new pavilion R. Patients make an appointment themselves by phone on our tel. No. 606 709913 and we schedule a date and time of blood test and ultrasound examination. There is no need for written recommendation from gynaecologist.

Who does the examination?

The blood sample is taken by a nurse.

Ultrasound examination is done only by competent doctor who obtained FMF certificates (Fetal Medicine Foundation) in London. Such sonographer has to undergo a yearly audit by FMF. Thus high quality of sonographers is maintained. List of certified doctors is to be found on www.fetalmedicine.org.

What if my screening is positive?

If the software calculates high risk of chromosomal fetal defect on the basis of above mentioned combination of age, blood test and ultrasound then we offer genetic counselling and invasive test in specialised clinic. There are two invasive tests depending on week of pregnancy- CVS (chorionic villus sampling) and amniocentesis. With this test fetal DNA is

gained and fetal chromosomes evaluated. This karyotyping is very reliable method and either confirms or rules out chromosomal defect. Results of karyotyping for the most common chromosomal defects are available within 2-3 days.

First trimester combined test is highly effective in detection of fetal defects.

Price

This test is not covered by health insurance. The price is 1400 CZK and includes following:

- Blood test between 9. and 10. week of pregnancy
- Ultrasound examination
- 2D/3D picture of baby in first trimester (11+0- 13+6 week of pregnancy)
- 2D/3D picture of baby in second trimester (20.- 23. week of pregnancy)
- USB with ultrasound picture or videos of baby
- 10% discount for single bed, newly reconstructed room
- 10% discount for ENTONOX during labour
- 10% discount for pharmaceutical products LACTACYD and PROPANTHEN by Omega Pharma
- 100 CZK discount for products by Hipp with purchase higher than 400 CZK in our pharmacy located in the ground floor of pavilion R