



## PGT-A (PREIMPLANTATION GENETIC TESTING FOR ANEUPLOIDY)

**Increasing confidence in the success of the IVF procedure/  
Increase the chances of achieving a healthy pregnancy.**

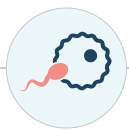
PGT-A is a procedure used during in vitro fertilization (IVF) to screen embryos for chromosomal abnormalities before they are implanted. The main advantage of PGT-A testing is that it can help increase the likelihood of a successful pregnancy by selecting embryos that have the correct number of chromosomes

### Indications:

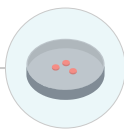
- Repeated failed IVF cycles
- Pregnancy occurs, but then repeatedly interrupted or stopped (repeated miscarriages)
- Changes in the parental karyotype (Robertsonian, reciprocal translocations, or chromosomal mosaicism)
- Age after 40 years (Advanced maternal age)

**Increased Pregnancy Rates - Reduced Risk of Miscarriage - Reduce the number of IVF cycles needed to achieve a successful pregnancy - Peace of mind**

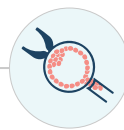
**Performed app 140 PGT-A tests per months  
Geneticist consultation with detailed explanation**



IVF/ICSI manipulation



Cultivation of the received embryos up to day 5



Embryo biopsy-several trophoctoderm cell collection without harming the embryo



Embryo freezing (vitrification) for later use



Embryo transfer



Selection of genetically competent embryos for embryo transfer



PGS- Preimplantation Genetic Screening-Chromosomal analysis





## PREIMPLANTATION GENETIC TESTING FOR MONOGENIC/SINGLE GENE DISEASES (PGT-M)

If a woman or a man has a disease on gene level, it is possible to define the precise localization of the problem and examine both the chromosome and the gene level to exclude such health problems for the unborn child

### Indications:

- Confirmed monogenic hereditary diseases, which are transmitted from generation to generation
- A monogenic disease has already been detected in one of family children

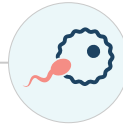
**Prevention of Genetic Disorders - Increased Chances of Healthy Baby - Personalized Genetic Screening - Geneticist consultation with detailed explanation**



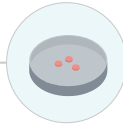
Geneticist consultation and medical history review



Personalized PGD test for this case design & preparation



IVF/ICSI manipulation



Cultivation of the received embryos up to day 5



PGD-preimplantation genetic diagnosis, the examination of certain monogenic disease



Embryo freezing (vitrification) for the later use



Embryo biopsy - several trophectoderm cell collection without harming the embryo



PGS for transferable embryos



Embryo transfer



Postnatal confirmation of baby's genotype

