Preimplantation Genetic Screening and Diagnosis

Description

Preimplantation Genetic Diagnosis (PGD) and Preimplantation Genetic Screening (PGS) are used to detect genetic conditions, chromosome abnormalities, and fetal sex during assisted reproduction with in vitro fertilization (IVF). PGD refers to embryo testing that is performed when one or both parents have a known genetic abnormality. This includes single-gene mutations and chromosome rearrangements. PGS refers to screening an embryo for aneuploidy when both parents are chromosomally normal. Genetic testing is performed on cells from the developing embryo prior to implantation. Only those embryos not affected with a genetic condition are implanted. PGD may allow at-risk couples to avoid a pregnancy affected with a genetic condition. The Society for Assisted Reproductive Technology and the American Society for Reproductive Medicine have published joint practice committee opinions to address the safety, accuracy, and overall efficacy of PGD and PGS.¹²

- This guideline does not include prenatal or preconception carrier screening. Please refer to Genetic Testing for Carrier Status for that purpose.
- This guideline does not include prenatal genetic testing. Please see Genetic Testing for Prenatal Screening and Diagnostic Testing for genetic testing done during pregnancy.

Criteria

Benefit exclusion

The Health Plan does not cover any services related to assisted reproduction, including any genetic testing done for the purpose of preimplantation genetic screening or diagnosis.

References