

IVF & Fertility Services (/our-services) / Preimplantation Genetic Diagnosis/Screening (PGD/PGS)

## PREIMPLANTATION GENETIC DIAGNOSIS/SCREENING (PGD/PGS)

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Preimplantation genetic diagnosis (PGD) and preimplantation genetic testing (PGS) are methods of testing embryos for genetic conditions in order to select the healthiest embryos for implantation.

### WHEN TO CONSIDER THIS SERVICE

PGD is indicated if you or your partner carry or are affected with a serious genetic disease that may be passed on to your offspring. The purpose of PGD is to choose an embryo that is not affected by the disease.

PGS attempts to screen embryos for abnormalities in the chromosome number or structure (called aneuploidy) in order to prevent genetic problems such as Down's syndrome. In addition, women with a history of miscarriages may consider PGS to select the healthiest embryos. Some women with repeated IVF failures for no apparent reason may consider PGS to investigate the quality of the embryos, and pick the healthiest for transfer.

### WHAT TO EXPECT DURING TREATMENT

PGD/PGS requires going through an IVF (<http://www.olivefertility.com/our-services/ivf>) or ICSI (<http://www.olivefertility.com/our-services/icsi>) cycle to obtain embryos which are subsequently biopsied in the laboratory. Depending on your situation, additional blood testing may be required for you and your partner. One or several cells from the embryo are sent to an expert genetic testing facility, and the results are obtained two days later. While waiting for the test results, your embryos may have to be frozen to be transferred in a later cycle. The results of the genetic testing will be discussed with you by an Olive physician and embryologist.

## HOW SUCCESSFUL IS IT?

The diagnostic accuracy of PGD is over 99% when looking for a known genetic condition. PGS technology has also improved in diagnostic accuracy over the last few years with accuracy of 98-99%.

However, the chances for a successful pregnancy will depend greatly on multiple factors, including your age, hormonal profile, and past history. Your physician at Olive will review these details with you.

## HOW MUCH DOES IT COST?

The costs involve the expense of an IVF-ICSI cycle (<http://www.olivefertility.com/our-clinic/our-fees>) plus the fees for the genetic testing process, which are approximately \$5000-\$7000.

## WHAT ARE THE RISKS?

The procedure related risks are identical to conventional IVF (</our-services/ivf>) or ICSI (</our-services/icsi>).

In addition, the PGD/PGS procedures, while very well established, may have some unknown effects on the health of the embryo and offspring. These risks are theoretical and likely small but will not be fully understood for many more years after more data is collected on children born after these procedures.

It is also possible that the all of the embryos are found to be genetically abnormal, in which case a pregnancy in that cycle will not be possible.

## HOW TO GET STARTED

Ask your GP or walk-in clinic for a referral to Olive. Your Olive physician will review the details and help you get started.

## *our* SERVICES

[In Vitro Fertilization \(/our-services/ivf\)](#)

[EmbryoScope™ \(/our-services/embryoscope\)](#)

[Intrauterine Insemination \(IUI\) \(/our-services/iui\)](#)

[Intracytoplasmic Sperm Injection \(ICSI\) \(/our-services/icsi\)](#)

[Preimplantation Genetic Diagnosis / Screening \(/our-services/pgd-pgs\)](#)

[Comprehensive Chromosome Screening \(CCS\) \(/our-services/comprehensive-chromosome-screening\)](#)

[Clomiphene \(/our-services/clomiphene\)](#)

[Ovulation Induction and Superovulation \(/our-services/ovulation-induction-superovulation\)](#)

[Donor Sperm \(/our-services/donor-sperm\)](#)

[Donor Eggs \(/our-services/donor-eggs\)](#)

[Surrogacy \(/our-services/surrogacy\)](#)

[Fertility Preservation \(/our-services/fertility-preservation\)](#)

[Single Women \(/our-services/single-women\)](#)

[LGBT Couples \(/our-services/lgbt-couples\)](#)

[Counselling \(/our-services/counselling\)](#)

## IVF and Fertility Services

[In Vitro Fertilization \(IVF\) \(/our-services/ivf\)](#)

[Intrauterine Insemination \(IUI\) \(/our-services/iui\)](#)

[Intacytoplasmic Sperm Injection \(ICSI\) \(/our-services/icsi\)](#)

[Pre-Implantation Genetic Diagnosis/Screening \(/our-services/pgd-pgs\)](#)

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## Testing & Diagnosis

[Reasons for Female Infertility \(/testing-and-diagnosis/reasons-for-female-infertility\)](#)

[Women's Fertility Evaluation \(/testing-and-diagnosis/womens-fertility-evaluation\)](#)

[Reasons for Male Infertility \(/testing-and-diagnosis/reasons-for-male-infertility\)](#)

[Men's Fertility Evaluation \(/testing-and-diagnosis/mens-fertility-evaluation\)](#)

[Booking Tests \(/testing-and-diagnosis/booking-tests\)](#)

## Prenatal Testing

[NIPT Prenatal Testing \(/prenatal-testing\)](#)

[NIPT Q&A \(/prenatal-testing/nipt-questions-answers\)](#)

***1-604-559-9950***

***general INQUIRIES:***

***info@olivefertility.com (mailto:info@olivefertility.com)***

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