

ovofertility



 cliniqueovo



Always placing innovation and excellence at the heart of all that we do, **clinique ovo** aims to meet your expectations and support your family project.

Since 2003, **ovo fertility** offers comprehensive assisted reproductive services to help Quebecers achieve their goal of building a family. **ovo fertility** is associated with the Department of Obstetrics and Gynaecology at the University of Montreal. Our warm and personalized approach will ease your mind. We have developed an expertise that allows us to offer you treatments with pregnancy rates per IVF cycle that are amongst the highest in Canada.

WHAT IS INFERTILITY?

It is the inability to conceive after 12 months of unprotected sexual intercourse or the inability to carry a pregnancy to term (repetitive miscarriage).

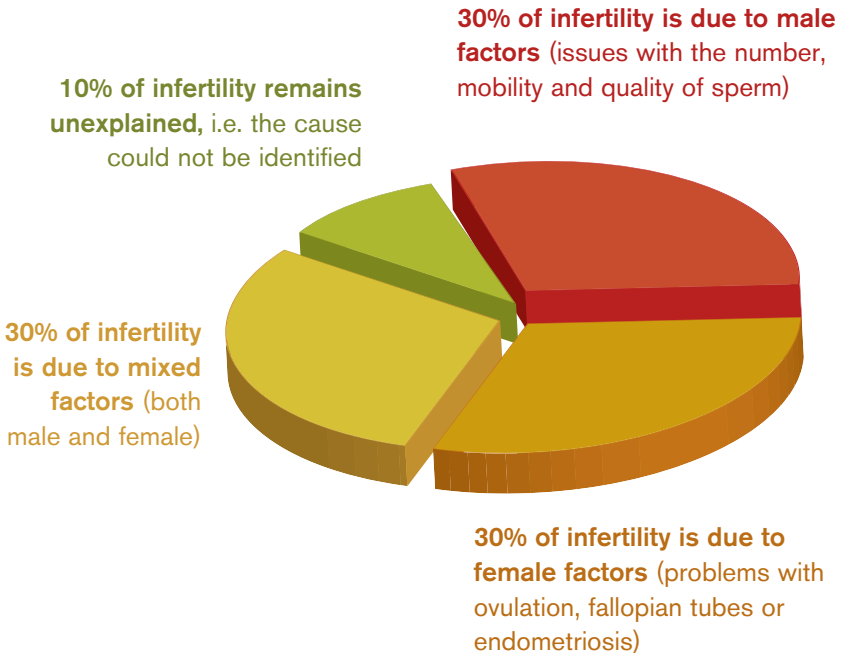
WHEN TO CONSULT?

It is recommended for couples with no known medical condition affecting fertility to seek medical advice after 12 months of unsuccessful attempts. For women over 30 years old, this period is reduced to six months.

It is however possible to meet with one of our doctor's (no referral needed) at any time should you like further information.

WHAT ARE THE CAUSES OF INFERTILITY?

Excluding social infertility, 10 to 15% of couples in Canada (i.e. more than half a million individuals) are affected by a reduced level of fertility or complete infertility.



A MULTIDISCIPLINARY TEAM FOR A PERSONALIZED SERVICE

We understand that this project is one of the most important of your life. In this perspective, the **ovo fertility** team strives to offer you services and treatments of the highest quality with the help of our dedicated staff.

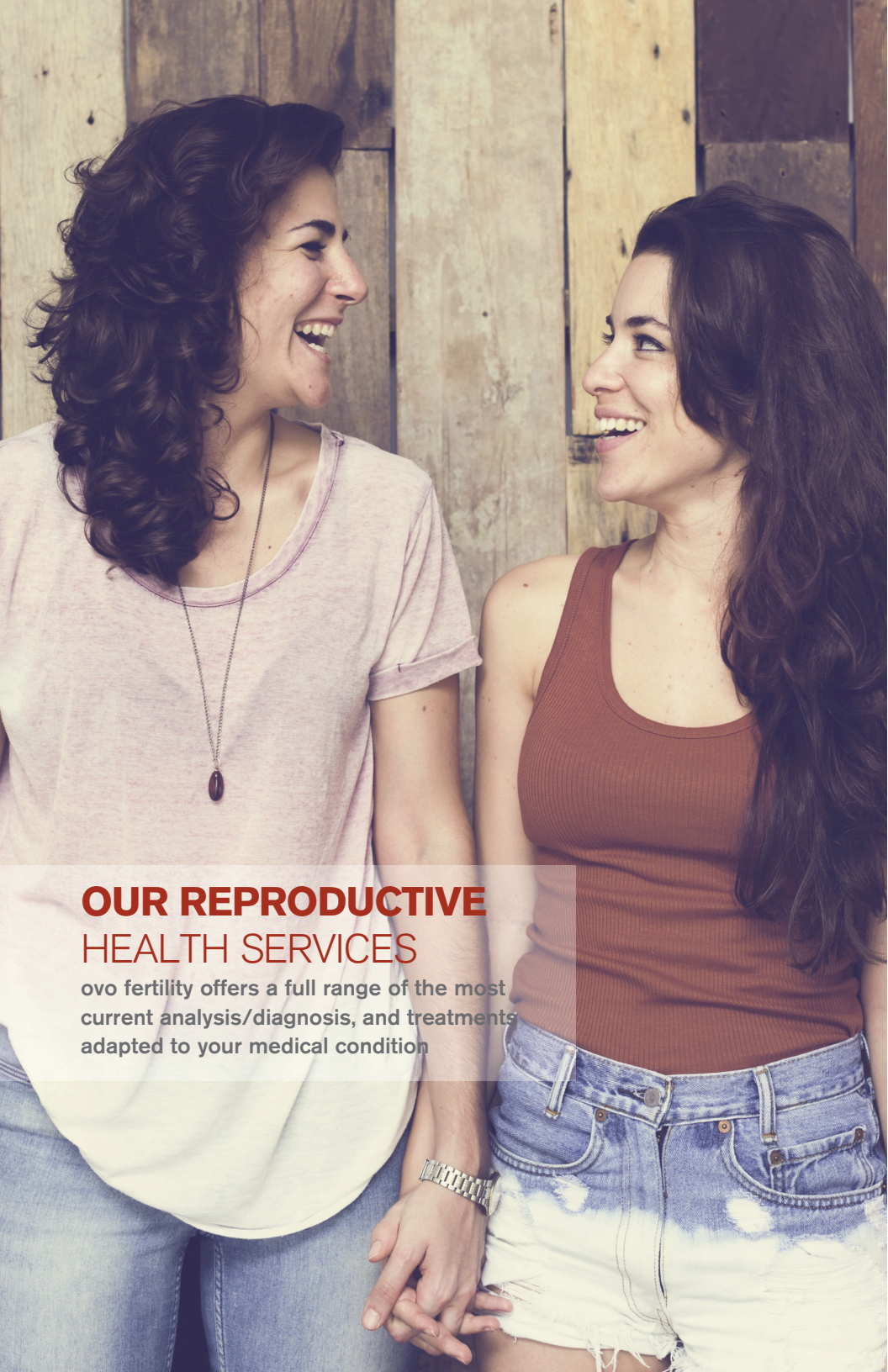
- ▶▶ Benefit from the renowned expertise of our medical team including, **15 obstetrician-gynaecologists specializing in fertility**, two urologists-andrologists, a geneticist, two internists, an endocrinologist and a nutritionist.
- ▶▶ Our embryologists have **cutting-edge equipment** at their disposal in an ultra modern laboratory. With their experience, they will help increase your rate of success.
- ▶▶ Should you require this help, our psychologists can accompany you throughout the process. By working on reducing your stress, **preparing** for treatments or sharing different emotions, they help facilitate the emotional issues during this important step in your life.
- ▶▶ Our nurses and staff will be happy to give you **the support you need** throughout your treatment.



WHEN THE DESIRE TO HAVE A CHILD
IS STRONGER THAN ALL



**ovo fertility benefits
from the highest expertise in
natural cycle IVF in Canada and
is internationally renowned**



OUR REPRODUCTIVE HEALTH SERVICES

ovo fertility offers a full range of the most current analysis/diagnosis, and treatments adapted to your medical condition

SPECIALIZED CONSULTATION IN FERTILITY AND ASSISTED HUMAN REPRODUCTION

OVULATION INDUCTION

Many infertility issues may be due to an hormonal imbalance, resulting in an ovulation disorder. Medication can help restore this natural process.

INTRAUTERINE INSEMINATION

Artificial insemination consists of injecting previously prepared sperm directly into the uterus. This treatment takes place the day of ovulation and may require prior uterine stimulation. It is performed with your partner's or donor's sperm.

IN VITRO FERTILIZATION (IVF)

The IVF process reproduces the natural process of fertilization and early stages of embryo development in the laboratory.

INTRACYTOPLASMIC SPERM INJECTION (ICSI)

This technique, also known as micro-injection, consists of introducing sperm directly into the oocyte, using a micropipette. This technique is used in cases of severe male factor infertility or unexplained infertility.

ASSISTED EMBRYO HATCHING

This technique may be suggested in an attempt to increase the implantation rate of embryos obtained by IVF. The embryologist uses micromanipulation under a microscope and perforates the zona pellucida of the embryos with the aid of a laser beam to facilitate their subsequent hatching.

EMBRYO CRYOPRESERVATION

If the number of good quality embryos after IVF is greater than the number of embryos transferred, embryos that have not been transferred can be cryopreserved and used in a subsequent cycle. At **ovo fertility**, we use a technique called vitrification, which allows a very quick freezing process and is much more efficient than the conventional slow freezing technique.

PRE-IMPLANTATION GENETIC DIAGNOSIS (PGD)

PGD is used to detect chromosomal abnormalities in embryos obtained by IVF. Based on the results, only healthy embryos or embryos not carrying detected anomalies will be transferred into the uterus.

TME LAPSE (GERI)

Time Lapse technology offers a constant observation of the embryo by creating a "video" of its development. In addition to allowing a better

evaluation of the embryo development, this machine offers a stable environment, which improves the implantation rate and lowers the chance of miscarriage.

UROLOGY AND ANDROLOGY CONSULTATION

In more than 30% of cases, male factor infertility is the cause or contributes to the couple's infertility. The urologist-andrologist therefore plays a fundamental role in the management of male infertility. **ovo fertility** also offers surgical male fertility services.

TECHNIQUES FOR SPERM RETRIEVAL

When the quality of the sperm is very low, it may be necessary in some cases to retrieve sperm directly from the epididymis or testicles. These techniques are coupled with assisted reproduction (IVF - ICSI).

- Percutaneous Epididymal Sperm Aspiration (PESA)
- Testicular sperm extraction (TESE and Micro-TESE)
- Vasectomy reversal (vaso-vasostomy)

PSYCHOLOGICAL CONSULTATION

The journey to become parents can sometimes be psychologically intense for you and your partner. It is important to discuss freely without taboos and guilt with a responsive and caring professional. Our team of psychologists specializing in fertility offers adapted support to better deal with these events.

- To support you at the time of diagnosis
- To accompany you during treatments
- To provide you with a space for reflection on decisions related to your parental project (use of anonymous or known donor gametes, and help explain to your child about its conception and origins)
- To manage expectations and overcome setbacks

CONSULTATION IN GENETICS

If your fertility treatments require genetic tests, **ovo fertility's** geneticists are there to guide you through these exams. They provide you with a diagnosis of genetic conditions that could explain the reason for the infertility.

THE PATIENT SUPPORT CENTRE IS THERE FOR YOU

To support you at every step of your treatments and is always available to answer your questions, **ovo fertility** has implemented services dedicated to all our patients. The patient support centre offers:

1

PERSONALISED AND WARM ASSISTANCE

simplify the administration of procedures and accelerate case management

2

INDIVIDUAL TRAINING FOR SELF-MEDICATION

To teach you to perform your injections from the comfort of your home and to give you relevant advice regarding your treatments

3

SUPPORT SERVICES AVAILABLE 24/7

To answer all your pressing questions by phone during your treatment

4

DEDICATION TO YOU 365 DAYS PER YEAR

To meet your expectations at all times

**Benefit from professional support
at every step of your treatment**



IN VITRO FERTILIZATION NATURAL CYCLE

AN EXPERTISE BORN
FROM OUR EXPERIENCE AND ABILITIES

Natural cycle IVF (IVFn) was used for the first test tube baby in England nearly 40 years ago. The natural aspect (adapted to a woman's ovulatory cycle) and non-invasive approach (no ovarian stimulation using drugs) makes natural cycle IVF an excellent treatment option for some patients. It may be necessary to replace IVFn with IVF involving ovarian stimulation using medication with many infertile couples.

We are at the forefront of research and technology. The medical team of **ovo fertility** contributes to global innovation in assisted reproduction treatments.

ovo fertility is responsible for two world premiers opening new horizons for

couples suffering from infertility:

- Successful natural cycle IVF using epididymal sperm: natural cycle IVF has become a simple alternative treatment for couples in whom the male partner had undergone vasectomy (May 2004)¹
- Successful egg donation collected during a natural cycle: natural cycle IVF has become a method to facilitate egg donation (April 2007)²

Pioneers in the field of embryo vitrification in Quebec, **clinique ovo** has used this technique for supernumerary embryos since 2007. This process replaced the slow freezing technique and has a much faster temperature drop, therefore a better embryo survival.

At **clinique ovo**, in an IVF cycle, when there is an embryo transfer, overall patients get pregnant in 54% of cases (2016). The on-going clinical pregnancy rate was observed in a group of standard patients, i.e. patients aged less than 38 years old, at their first or second attempt, who had at least 6 oocytes retrieved, a single embryo transfer and no assisted hatching.

To reduce multiple pregnancies and encourage safer pregnancies for mothers and their babies, the **clinique ovo** always transfer a single embryo as determined by the laws of Quebec.⁴ Surplus embryos can be frozen and transferred in a later cycle. This policy has been implemented successfully without reducing the pregnancy rate per cycle.⁵

Since the founding of the **clinique ovo** in 2003, thousands of babies were born thanks to IVF techniques.

You will find all of our prices on our website cliniqueovo.com



1. Ongoing pregnancy after ICSI of frozen-thawed PESA-retrieved spermatozoa and IVF in a controlled natural cycle. Kadoch IJ, Phillips SJ, Hemmings R, Lapensée L, Couturier B, Bissonnette F. *Reprod Biomed Online*. 2005 May;10 (5):650-2
2. Case report: Successful pregnancy for an ovarian agenesis patient after modified natural cycle IVF oocyte donation. Kadoch IJ, Jamal W, Phillips SJ, Hemmings R, Lapensée L, Couturier B, Bissonnette F. *Reprod Biomed Online*
3. The implantation rate is a measure of quality control in an IVF laboratory. Since there are many variables which can influence the results, it is important to analyse a standardised group of patients in order to be able to measure quality over time. This result refers to data for 2016.
4. An Act respecting clinical and research activities relating to assisted procreation carried out in Quebec. National Assembly, Bill 26, chapter 30 (2009)
5. Rapid policy change to single-embryo transfer while maintaining pregnancy rates per initiated cycle. Vélez MP, Kadoch IJ, Phillips SJ, Bissonnette F. *Reprod BioMed Online* (2013) 26, 506-511

ovocryo



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FERTILITY PRESERVATION

EGGS PRESERVATION

When a woman of reproductive age must undergo oncology treatment, the physician may discuss with her the possibility of preserving her fertility by freezing her eggs before she starts her treatment. This decision is often taken at the last minute considering that chemotherapy must be started quickly in order to maximise the chances of recovery. During such a time, the interventions related to the delivery of care are both psychologically and physically difficult and often carried out within a very demanding context. It is therefore important to ensure that the clinical management of the patient is based on an integrated care model. The fertility preservation program at **clinique ovo**, through our dedicated nurse, ensures the preparation of the patient, the coordination between the interdisciplinary treating team and our team as well as follow-up after the procedure. A meeting with a psychologist available on-site at **clinique ovo** is also strongly recommended. All requests for an appointment to discuss fertility preservation should be made by calling 514-798-2000 #139 or #158. A medical request for a consultation in view of a fertility preservation cycle can be faxed to 514-798-2001 to the attention of the Coordination department. An appointment will be given for the same day or possibly the next day with one of our fertility specialist physicians.

SPERM PRESERVATION

Sperm freezing is a relatively straight forward technique. The sample is produced by masturbation. The laboratory then prepares the sample in order to freeze it. If the patient has a condition that prevents him from producing a semen sample by ejaculation or is otherwise infertile, sperm can be obtained by surgical intervention. To make an appointment for sperm freezing for fertility preservation please call 514-798-2000. Appointments are given as quickly as possible. It is necessary to have a medical prescription for fertility preservation from your physician. The fertility preservation program at **clinique ovo** has expanded over the years. We are proud to say that more and more oncologists refer their patients to us for fertility preservation prior to undergoing chemotherapy, thereby permitting them to achieve a pregnancy once they have recovered from their illness.

DONATION OF GAMETES :

THE GIFT OF LIFE

EGGS DONATION

Oocyte donation (egg donation) is a type of in vitro fertilization in which a donor's oocyte contribute to obtain a pregnancy in a woman who cannot use her own oocytes. There are multiple medical indications to benefit from oocyte donation. They include, among others, women suffering from early menopause, women suffering from infertility following chemotherapy, women with birth defects or over age 43.

In oocyte donation, a donor's oocytes are retrieved and fertilized in a laboratory with the sperm of a donor or the recipient's spouse.

In Canada, remuneration for a donor is prohibited; therefore couples in need of donation have to search for an egg bank or a known donor. An individual, ideally aged 35 years or less, with an adequate ovarian reserve who accepts to make a direct donation. At **clinique ovo**, you can benefit from the expertise of our team specifically dedicated to oocyte donation to learn about the existing alternatives and ensure individual monitoring of your specific needs during the entire treatment.

Egg banks

Egg vitrification is a highly technical procedure that needs close and strict control in laboratories. Eggs are very sensitive to cryo preservation which explains why they could not be frozen in the past. For this reason **ovo cryo** only works with the best egg banks to ensure quality and maximise success rates. We have specially trained embryologists who have been validated by the egg banks; in order to warm (thaw) the eggs.



SPERM DONATION

For many couples, the only way to realize their dream of being a parent is to benefit from sperm donation. Sperm donation is a social act, worthy of much respect and consideration.

Sperm donation is free, meaning that when you become a donor, you will not receive financial compensation for your act.

Sperm donation is anonymous. Your identity will never be disclosed to parents or a child born from your donation, neither will you have information about the couple receiving your donation. There will be no way for any party to contact the other one.

To know about the sperm donation process, you should contact the sperm bank of **ovo cryo**. According to Health Canada criteria, all samples must be quarantined for six months before they can be used in order to ensure that they do not carry any transmissible infectious disease. In order to reduce the consanguinity risk among the population, a donor can contribute to the creation of a maximum of ten families.

EMBRYO DONATION

Embryo donation at the **clinique ovo** responds to a need for couples who have a medical indication to receive such a donation as well as for those patients who wish to make such a donation with their excess embryos. In line with the laws on medically assisted reproduction and taking into consideration the related ethical implications, the program is based on an altruistic principle and the protection of the physical and psychological health of the embryo donors as well as any children born as a result of the donation. Given that such embryos are a very limited resource, the embryo donation program must follow principles of equality. A specific team of physicians and nurses are responsible for the management of these cases . If you wish to have more information, please take an appointment with one of our fertility specialist physicians within this team.

You will find all of our prices on our website [cliniqueovo.com](https://www.cliniqueovo.com)





OVO

FERTILITY

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