

Gender Selection Options



NORTH CYPRUS IVF CENTER

Leading the way in fertility treatments...

NORTH CYPRUS IVF CENTER

North Cyprus IVF Center was first established in 1998 and became a fully functioning infertility clinic in 2001. North Cyprus IVF Center is the very first IVF Clinic in Northern Cyprus and has been a pioneer in fertility treatments on the island. Our managing director and chief of surgery, Dr. Savas Ozyigit has been a pioneer in the field of medicine in Northern Cyprus. As the very first certified IVF specialist in North Cyprus, Dr. Ozyigit has introduced many firsts on the island in the field of assisted reproductive science. As the recipient of several awards for excellence, Dr. Ozyigit offers highest success rates on the island through his own expertise and own methods.



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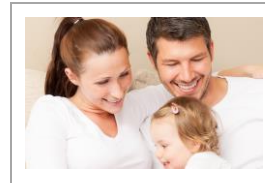
Web: www.lowcostivf.net

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Gender Selection Options

Target Patient Group



Patients who are at the risk of passing down a sex-linked disease to their offspring opt for this method. Also, patients who have conceived before and have child(ren) of the same sex, and would like to balance their family by having a child of the opposite sex choose this treatment.

Success Rates with Gender Selection



Even though success rates with fertility treatments depend on a number of factors and each patient is different from the other with respect to fertility assessment and fitness for pregnancy, one criterion we use for success rates is age. The age of the female patient, and her ovarian reserves are directly related with treatment's success. Success rate can be as high as 75% for patients younger than 35.

Estimated Length of Stay in Cyprus



You are expected to stay for about 8/9 days in Cyprus to finalize your treatment. Preliminary work can be carried out locally with your local doctor or a physician we collaborate with in your country.

Gender Selection Methods

MicroSort IUI

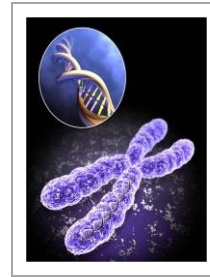


Least invasive of all gender selection treatments. This is mostly offered to couples in their 20s. The male partner's semen sample is sorted into X and Y bearing cells and the appropriate batch is injected intra-uterine for pregnancy with the child of desired sex. However, there are a few points that you should know about this procedure:

- The sort mechanism only works when the sperm concentration is more than 70 million/ml in the ejaculate. Otherwise, results are less accurate.
- MicroSort provides 90% accurate results for a girl and 80% for a boy. Therefore, it is not a 100% accurate method of gender selection.
- MicroSort is used alongside with IUI, which is the least invasive method of assisted reproduction. Success chances with IUI treatment are always much lower compared to IVF treatments. The success rate of this treatment is around 25% or so.

(Cost of treatment: 2,800 Euros)

IVF with PGD



Alternatively, there is Pre-Implantation Genetic Diagnosis (Screening) which is a genetic testing procedure, done once the embryos are created. This method is most suitable for patients with a standard to optimal level of fertility, which are usually females within the 20-35 age group. With a good ovarian response to IVF stimulation, an optimal number of eggs are retrieved from the ovaries and these eggs are fertilized using the partner's sperm sample.

PGD allows us to identify the gender with 99.9% accuracy as well as screening for most common genetic disorders, making sure your baby does not possess a serious genetic condition. Gender selection through PGD works just like conventional IVF, where eggs and sperm are fertilized in the laboratory environment. Then, embryos are placed in an incubator for optimal growth. Once the embryos reach the 8-cell growth stage (usually day 3 after fertilization), biopsy is performed where a single cell is retrieved from each embryo for diagnosis. This biopsy allows us to test for certain genetic conditions and determine the sex. Apart from the sex of the baby, we test chromosomes X, Y, 13, 18 and 21, which are the causes of almost 90% of all genetic-linked abnormalities.

(Cost of treatment: 5,000 Euros)

MicroSort IVF with PGD



One other alternative is to combine the two methods. Combination of the two methods is usually recommended for patients older than 35 years of age with diminished ovarian reserves. If the husband's sperm concentration is within acceptable standards, then MicroSorting the sperm makes sure that most of the eggs will be fertilized into embryos of desired sex. Further PGD testing will provide a 99.9% accuracy and will also make sure that the embryos that will be transferred are free of major genetic disorders. If the female patient has only a few eggs to work with, this method will make sure we will be able to find an embryo or two that is of desired sex with the prior MicroSort intervention.

(Cost of treatment: 6,200 Euros)

GETTING STARTED

Gender Selection Treatment procedures works very much like standard fertility treatment procedures.

If you are undergoing the non-invasive MicroSort IUI procedure, you will not be undergoing egg retrieval. However, you will still be subjected to a mild controlled ovarian stimulation in order to stimulate the ovaries for multiple follicle production so that when the sorted sperm is injected into the uterus, the sperm cells have a higher likelihood of finding a suitable egg to fertilize.

With Gender selection IVF protocols, you will be subjected to a controlled ovarian hyper stimulation protocol so that multiple eggs can be obtained in order to maximize your chances of success with treatment. Each egg is fertilized with the semen sample using the ICSI procedure and each fertilized zygote is incubated for a few days. The embryos that are formed after fertilization will be incubated for a few days and then will be subjected to a biopsy process where the cells removed from each embryo will be used for genetic screening. The screening process takes about a day and a half. Once the screening is final, which is 5 days after egg retrieval, a list of embryos and genetic findings are provided for you to view. Based on findings, embryos that are suitable for embryo transfer are selected and you get to decide how many embryos you would like transferred.

In any case, before we can identify the right medication regimen to organize your treatment protocol, we will be needing you to undergo certain tests and diagnoses.

INITIAL TESTING

For the *female partner*, we will need the following done on day 2 or 3 of menstrual period:

- FSH, LH, Estradiol, Prolactin, TSH and AMH hormone tests
- Baseline ultrasound scan for follicle tracking and uterine observation

For the *male partner*, we will need a semen analysis done with Kruger method assessing sperm volume, count, motility, morphology, pH and round cell count.

Additionally, both partners will need to undergo infectious disease screening before egg and sperm samples can be handled at North Cyprus IVF laboratories. These tests need to be administered at our own laboratories for safety purposes as laboratory contamination is a very serious issue. The cost of infectious disease screening for both partners costs 200 Euros.

Depending on your location, we may be able to recommend a local physician for the initial testing and follow up screening prior to your arrival in Cyprus.

How Treatment Works

Your treatment can be organized so that the preliminary work can be carried out locally with a local doctor (your own doctor or a doctor that we recommend). Having done your initial tests locally, we will be able to make an assessment of your fertility status and successfully identify the medication regimen that will give us the highest chance of success possible. Once we identify your medication regimen and treatment protocol, we will be able to prescribe your medication and provide you with a treatment calendar which specifies what needs to be done on a daily basis prior to your arrival in Cyprus. Once you are ready to come, you will need to come to Cyprus for 8/9 days to finalize your treatment.

The cost of your treatment (quoted next to each treatment option) is inclusive of all the medical procedures carried out at our clinic, your consultations in Cyprus and all your ground transfers between hotel/airport and our clinic. However, the cost of treatment does **not** include your initial tests, your local doctor visits, your medication expenses, your travel costs or your hotel accommodation. For accommodation options, please see the next page.

Medication Usage

How to obtain your Medication?

Your medication use will depend on your initial assessment by our fertility specialists. This is the precise reason why we ask for certain tests and diagnoses before proceeding with treatment. Once we make an effective assessment of your specific needs, we will be able to identify the right medication regimen and will provide you with a prescription so that you can purchase your medication. You can either purchase your medication locally at your pharmacist, or order it online at the international pharmacy that we work with in the UK. They deliver worldwide.

www.fertility2u.com – UK Pharmacy

Administering Medication

There will be guidelines in your treatment calendar on how to use your medication. Depending on your treatment program, you will be required to use tablets, injections or both. Tablet use is very straightforward, but the injection administration requires that you are familiar with the injection area and that you learn how to administer the injection. IVF medication can be sub-cutaneously administered, which means, they are administered right under the skin. The following video explains how the injection can be mixed, adjusted for dosage and administered.

<http://www.youtube.com/watch?v=nr6-3vJ4SpA>

Accommodation Options

Guest House Accommodation: The guest house is a set of studio apartments in a small complex. Each apartment has its own bathroom, own kitchen, own living room and a large size bedroom. It is ideal for a family size of 3-4 to stay comfortably. The cost of this accommodation option is **50 Euros** per night regardless of the number of occupants.

3-star City Royal Hotel in Nicosia (<http://www.city-royal.com>): This package includes airport pick-ups from either Ercan or Larnaca Airports, ground transfers between the clinic and the hotel, hotel accommodation at the City Royal, including open buffet breakfast. The cost of this basic accommodation option is **60 Euros** per night for a double occupancy room.

5-star Merit Nicosia Hotel

(http://www.merithotels.com/tr_index_merit_lefkosa.php): This package includes airport pick-ups from either Ercan or Larnaca Airports, ground transfers between the clinic and the hotel, hotel accommodation at the Merit, including open buffet breakfast. The cost of this luxurious accommodation option is **115 Euros** per night for a double occupancy room.