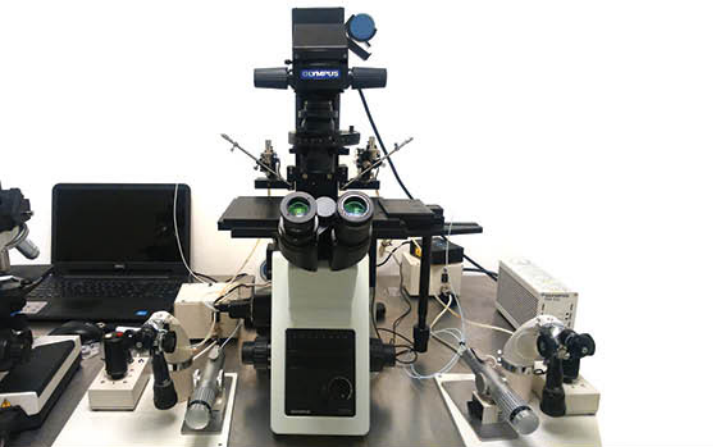


IN VITRO FERTILIZATION CENTRE



In Vitro Fertilization (IVF) is a series of procedures used to treat fertility or genetic problems and assist with the conception of a child. During IVF, mature eggs are collected (retrieved) from the female's ovaries and fertilized by the male's sperm in a laboratory.

The fertilized egg (embryo) is cultured for two to six days in a growth medium before being implanted into the woman's uterus, with the intention of establishing a successful pregnancy.

IVF techniques can be used in various situations to treat infertility- both male and female. These techniques can help overcome female infertility caused by complications in the fallopian tubes. Male infertility, caused by defects in sperm quality,



can be solved by injecting a sperm cell directly into the egg cell through Intracytoplasmic Sperm Injection (ICSI).

IVF Facilities available at Grande City Hospital

ICSI (Intracytoplasmic Sperm Injection)

ICSI is a highly effective treatment for male infertility. This procedure is used to fertilize the eggs retrieved from the female's ovaries in the IVF laboratory by using special tools to inject the sperm directly into the eggs.

Embryologists pick individual sperm based on high motility and morphology using micromanipulation equipment and inverted microscope to increase the chances of successful fertilization. ICSI treatment is extremely useful for patients suffering from unexplained infertility.



Laser Assisted Hatching

Assisted Hatching is a laboratory procedure performed mostly on embryos before being transferred back to the patient's womb. During the procedure, a small opening is made on the outer shell of the embryo. This assists the embryo in breaking out of the shell to facilitate the implantation in the womb.

Embryo Freezing

During the IVF procedures, a number of eggs are fertilized and frozen so that should the first cycle not result in a successful pregnancy, frozen embryos can be retrieved for future treatment cycles. Frozen embryos can also be donated for others' treatment, research, or training purposes.

Chances of successful pregnancy by thawing a frozen embryo are not affected by the duration for which the embryo has been stored.

Egg Vitrification and Sperm Freezing

Egg vitrification, a new method for egg storage, improves the chances of eggs surviving the freeze-thaw process. Sperm freezing, a technique where sperm cells are frozen for later use, has been used in successful treatments for many years.

Before any embryo, egg, or semen is frozen, a doctor explains the entire process. A written consent will be taken from the patient and his/her partner (if applicable), and both will be screened for infectious diseases including HIV and Hepatitis B and C.

We provide the best IVF services at reasonable prices using the best equipment & technology available in Nepal for a high success rate for infertility treatments



"Once you choose hope, anything's possible."

- Christopher Reeve

Providing Best of Care with Compassion

IN VITRO FERTILIZATION CENTRE



Hope n' Joy



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