

# Fertility Center and IVF Clinic



# Introduction

Each year, millions of couples around the world face infertility. The World Health Organization estimates that about 1 in 6 people of reproductive age suffer from this problem. Infertility can be caused by the male partner, the female partner, or both. Infertility takes a toll on couples physically and psychologically as well as on their relationship.

The Fertility Center & IVF Clinic at Bumrungrad International Hospital is experienced in helping couples succeed in having children. The average IVF success rate from 2020 to 2022 is 90 percent among women over 40.





# Vision

The problem of population structure is part of the national agenda in Thailand today, as a result of the steadily declining birth rate. For one thing, this is due to the infertility among quality population who are ready and would like to conceive children.

In realizing the infertility issue and the importance of family, Bumrungrad had established the Fertility Center & IVF Clinic, which can readily provide comprehensive care and consultation regarding fertility with assisted reproductive technology.





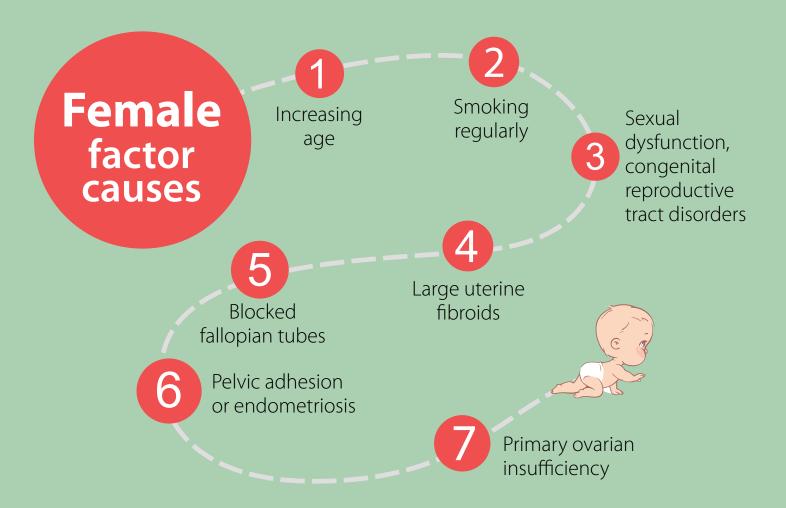
Infertility

Infertility can be defined as failure to conceive after 12 months of regular unprotected intercourse, or six months where the woman is over 35.





In general, infertility can be due to female, male, both male and female factors, as well as due to an unknown cause.





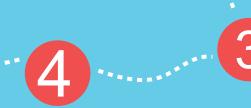
# Infertility

Male factor causes

Congenital abnormalities of reproductive system, sexual dysfunction

Genetic or chromosomal disorders affecting sperm production, with low or zero sperm count

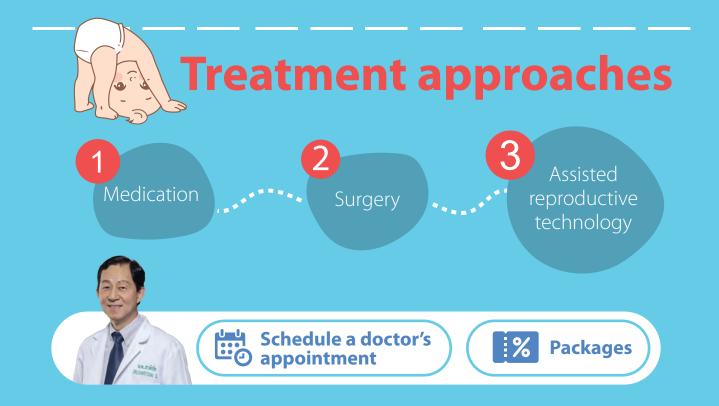




Exposure to certain chemicals

Certain medical affect fertility

Smoking regularly





# Planning for conception

### What is pre-pregnancy genetic testing?

Pre-pregnancy genetic testing aims to determine if you are a carrier of any genetic diseases or disorders that could possibly be passed down to your child. Over 600 genes can be tested and over 300 disorders can be detected, including those commonly found among Thai people such as thalassemia, cancer, and heart disease.

## Who should undergo genetic testing?

**Those:** 



with a family history/concerned about hereditary diseases



with nfertility issues

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who have had more than one miscarriage

who have had a child with a birth defect or an inherited disease

who have had a child who died before the age of one

## **Genetic testing process**

Blood or saliva samples are collected. Results are available in 3-4 weeks.







# What is egg freezing?

Egg freezing is the preserving of eggs at low temperatures for the purpose of planning future pregnancies.

### Who should undergo egg freezing?



Those who plan to have children in the future but are not quite ready at present



Those with diseases that cause germ cells to degenerate more easily, including autoimmune diseases such as SLE or endometriosis



Those who have been subject to treatment affecting germ cells such as chemotherapy, radiation therapy, or surgery of ovaries or the female reproductive system

## Egg freezing process



Consult a doctor for medical history review and physical examination in preparation for egg freezing Induce ovulation by injection into the abdomen, starting around the 2<sup>nd</sup> or 3<sup>rd</sup> day of the menstrual Monitor the quantity, number, and the size of the eggs in 3-4 visits to the doctor Retrieve mature eggs, which takes about 30 minutes without causing any pain

%

**Packages** 

Eggs are stored frozen in the laboratory, ready for when the couple is ready to conceive



Schedule a doctor's
appointment



# Assisted reproductive technology There are 3 techniques:



#### **IUI** (Intra–Uterine Insemination):

This involves injecting the man's sperm into the woman's uterus on the day that the female ovulates. The fertilization success depends on the quality of the egg and sperm during that cycle.



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#### IVF (In-vitro Fertilization):

About 20,000 of the man's sperms are combined with an egg, allowing the strongest sperm to fertilize the egg naturally.

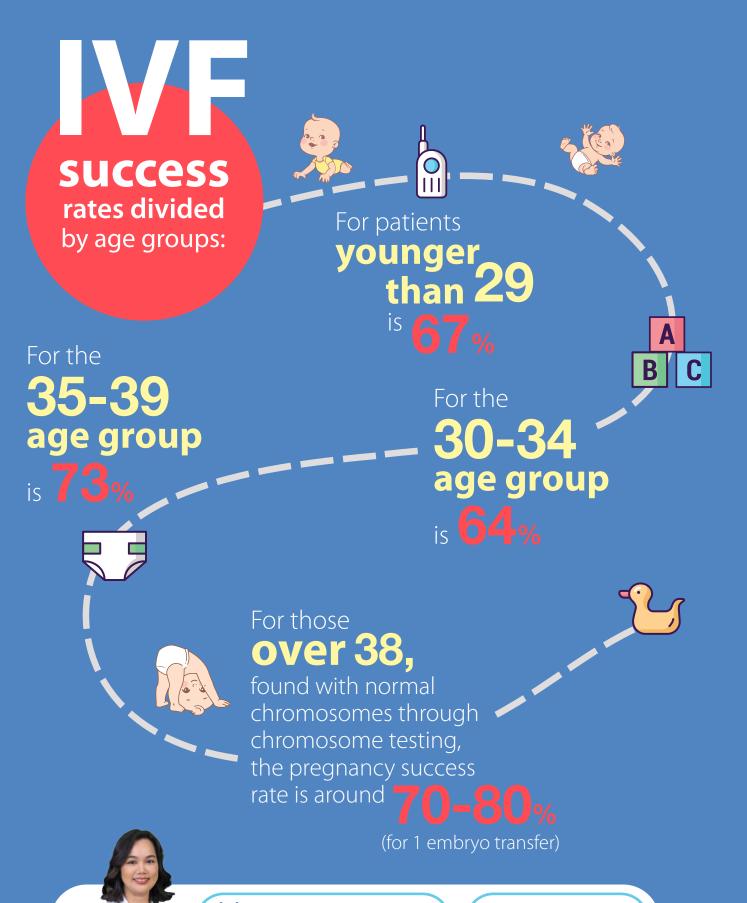
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## **ICSI** (Intracytoplasmic Sperm Injection):

The healthiest sperm is selected to combine a suitably-matured egg in the laboratory.







Schedule a doctor's

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**Packages** 



Do I need a marriage certificate to undergo infertility treatment in Thailand?

Yes, this is because the law states that couples must have their marriage registered to get infertility treatment including IUI or IVF, in Thailand.

Can same-sex couples legally married in another country get IUI or IVF treatment in Thailand?

In Thailand, IUI or IVF treatment is not allowed for same-sex couples despite them being legally married in another country.

How long does an IVF or ICSI treatment take?

The process takes about 3-8 weeks, depending on the times between egg retrieval, fertilization, and embryo transfer; times differ for each individual case.



How many eggs need to be frozen to have one child?



If you are under 35 years old, you would need at least 10-15 eggs, and 15-20 eggs if you are older.



low long can frozen eggs be stored?

Theoretically, there's no time limit. But we recommend that the eggs be used within 10 years.

For more information, call 1378 or +66 90 972 2609





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