



Korea's Leading Women's Hospital

**CHA Gangnam
Medical Center**





CHA Gangnam Medical Center



Departments: Introduction

The medical staff from 14 specialized departments work closely together to provide total healthcare services for women in various life stages ranging from treatment and care for gynecologic conditions to services before, during and after pregnancy.

Main Departments

Obstetrics, Gynecology, Fertility, Surgery, Pediatrics, Postpartum Care



Obstetrics

- High-risk pregnancy
- Tailored birth plan

Gynecology

- Gynecologic diseases & conditions
- Gynecologic cancer

Fertility

- Fertility treatment
- Fertility preservation

Postpartum Care Center

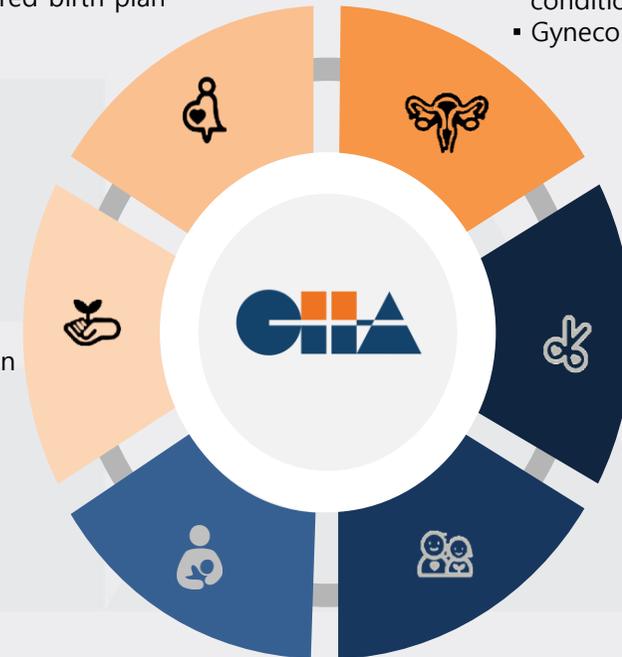
- 24-hour mother-child room
- Postpartum care program

Pediatrics

- Diseases and disorders affecting children
- Diseases and disorders affecting adolescents
- Health examination

Surgery

- Breast cancer
- Thyroid cancer



What is “Infertility”?

The inability for an otherwise healthy man and woman to become pregnant after one year of sexual intercourse without contraception.

Treatment Based on the Cause of Infertility

Ovulation disorders	Tubal factor	Uterine factor	Male factor	Unknown cause
Ovulation induction	Fallopian tube reconstruction or <i>in vitro</i> fertilization and embryo transfer (IVFET)	Surgical correction or step-by-step treatment	Hormonal therapy, surgery, artificial insemination, intracytoplasmic sperm injection (ICSI)	Step-by-step treatment after consultation

Fertility Tests



Women

The test will vary depending on your menstrual date. The test will begin two to three days after your period begins.



Men

The test will begin on the start date of fertility testing.

Test Procedure

1. Basic consultation with the attending doctor

Check for gynecologic conditions after consulting on patient’s medical history related to menstruation and pregnancy

2. Basic health checkup

3. Hormone test (2nd or 3rd day of one’s period)

4. Transvaginal ultrasonography

5. Hysterosalpingography (within 1 or 2 days after the end of one’s period)

6. Ovulation ultrasound

7. Hysteroscopy (if necessary)

8. Diagnostic laparoscopy (if necessary)

9. Endometrial biopsy (if necessary)

Test Procedure

1. Basic consultation with the attending doctor

Check for urological conditions after consultation

2. Basic health checkup

3. Hormone test

4. Semen test (best to test 3 to 4 days after one’s last ejaculation)

5. Testicular biopsy (if necessary)

Fertility Treatment

Intrauterine Insemination (IUI)

A method of fertility treatment that involves collecting the husband's semen in time for the ovulation date and putting it through special treatment to obtain only good sperm which are then injected directly into the woman's uterus for natural fertilization to occur.

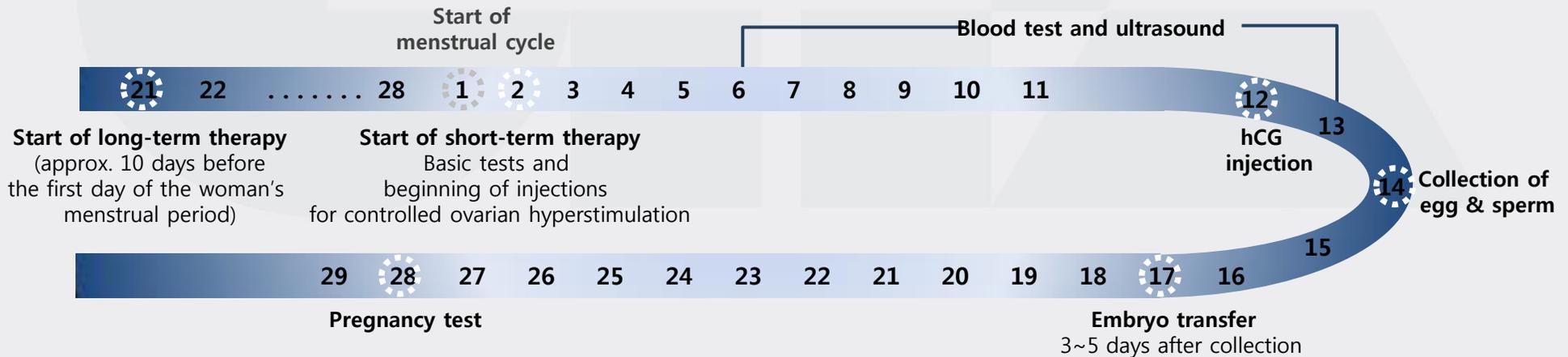
Target patients: Low sperm motility or presence of antisperm antibodies.

In Vitro Fertilization (IVF)

A method of fertility treatment that involves collecting the woman's ovum (egg) and her husband's sperm for *in vitro* fertilization and culturing the embryo *in vitro* for 2 to 5 days before it is transplanted into the uterus.

Target patients: Infertility resulting from an unknown cause; multiple failures in insemination in the past; abnormal female reproductive system; immunological infertility with certain antibodies; other types of unexplained infertility for which other treatment methods have all failed.

IVF Procedure



■ Latest Fertility Treatment Procedures

Diagnoses and procedures are proceeded at the discretion of the attending physician for various reasons, such as abnormal sperm function, immature ovum and genetic abnormality.

■ Intracytoplasmic Sperm Injection (ICSI)

A method that involves collecting eggs, removing the cell membrane surrounding them with an enzyme, and injecting sperm directly into the cytoplasm of the eggs through the micro glass tube attached to the micromanipulator.

■ Physiological Intra-Cytoplasmic Sperm Injection (PICSI)

A method of using ICSI after selecting sperm with excellent capability to fertilize an egg that allows for quick selection (within 5 minutes) of mature sperm with the least damage to the DNA and chromosomes.

■ Assisted Hatching

Assisted reproductive technology that allows embryos to hatch more easily with the use of laser on zona pellucida, which is abnormally hardened and thickened due to *in vitro* culture and hyperovulation.

■ Preimplantation Genetic Diagnosis (PGD)

A method of conducting genetic profiling of embryos at the preimplantation stage for couples who have genetic disease/disorder, or chromosomal disorder, or are a carrier.

■ Preimplantation Genetic Screening (PGS)

A procedure performed in case there are concerns over pregnancy failure or recurrent miscarriage due to a high risk of chromosomal disorder. Chromosomal disorder can occur even in babies from parents who do not have chromosomal disorders themselves. The screening checks 46 chromosomes for their numerical abnormalities.

Fertility Preservation

Medical treatment to preserve the possibility of becoming pregnant in the future.



Oocyte cryopreservation

What should be noted in relation to the recent trend of a rise in the average age to have a baby is that the ovarian function decreases over time. In order to maintain a good chance of getting pregnant even at an older age, women may opt to freeze healthy eggs when they are still relatively young.

Strengths of CHA Medical Center's Oocyte/Sperm Cryopreservation Procedures

- Little to no damage to the eggs through a cryopreservation system that involves the use of slush nitrogen (SN2) and vitrification
- State-of-the-art long-term storage system

Procedure (visit on Day 2 of the cycle)

**Controlled Ovarian
Hyperstimulation**
(Day 2~7/10
of menstrual cycle)

Egg Collection
(Day 12~13
of menstrual cycle)

Egg Preservation

■ Delivery by Attending Doctor & Birth Plan

Delivery by the attending doctor anytime (24/7, 365 days of the year) and safe delivery according to the birth plan with an OB/GYN specialist and anesthesiologist at the medical center at all times.

+ *What is naturalistic childbirth?*

Allowing delivery to occur in a place that is most comfortable for both the mother and the baby while minimizing medical intervention

■ OICU (Obstetric Intensive Care Unit)& NICU

Operation of an intensive care unit dedicated to mothers at high risk of preterm labor or severe preeclampsia with possibility of complications for the fetus.

Establishment of a well-organized care system for the mother and the fetus in connection with the Neonatal Intensive Care Unit (NICU).

■ Postpartum Care

Lectures and counseling for pregnant women by professors from various medical departments (childcare, postpartum mental health, obstetrics and gynecology), education related to pregnancy and newborns, exercise and maternity management programs



Pediatric Healthcare

- Provides vaccines that a child needs from birth.
 - BCG, Hepatitis A/B, Hib, DPT, Polio IpV, MMR, etc.
- Provides systematic healthcare services through specialized care for pediatric diseases, pediatric heart diseases, respiratory diseases, allergies and neurological diseases.

Pediatric Health Examination

- My Toddler's Health Examination: First health checkup for toddlers under the age of 2.
- Young Child's Health Examination: Examination of physical and psychological development in the preschool years.

THE VACCINATION SCHEDULE OF KOREA

(Until the age of six months)

VACCINATION	AGE
BCG	Within 4 weeks
Hepatitis B (2 nd)	1 month
DPT, Polio IpV (1 st)	2 months
Hib, Pneumo (1 st)	
Rota Virus (1 st)	4 months
DPT, Polio IpV (2 nd)	
Hib, Pneumo (2 nd)	
Rota Virus (2 nd)	6 months
DPT, Polio IpV (3 rd)	
Hib, Pneumo (3 rd)	
Rota Virus (3 rd)	
Hepatitis B (3 rd)	



■ Top Treatment Measures for Gynecologic Conditions

The most common surgical treatment methods are applied for the purpose of diagnosis or treatment.

■ **Hysteroscopy** A procedure for checking the inside of the uterus using an endoscope to diagnose and treat uterine myomas, polyps, etc.

■ **Single Port Surgery** A type of surgery for treating fibroids, endometriosis, ovarian cysts, etc. through a single hole without making a lower abdominal incision that allows relatively quick recovery and minimal scarring.

■ Da Vinci SI Robot-Assisted Surgery

Allows a high-precision operation on nerves or blood vessels that requires the surgeon to perform fine motor (delicate) movements; a smaller incision is made compared to laparotomy for minimal bleeding, infection and pain, shorter hospitalization period, and reduced scarring after surgery.



■ Breast Cancer

Malignant tumors in breast tissue may spread to other organs or enter blood vessels via lymphatic vessels and thus require early diagnosis and treatment.

Symptoms: Painless lumps, increased breast size, nipple discharge, and/or nipple depression.

Diagnostic methods: Mammogram and breast ultrasound

Treatment methods: Decided based on the size of the cancer cells.

■ Thyroid Cancer

Cancer in the small organ (thyroid gland) attached to the larynx and trachea in the front part of the neck; hyperthyroidism is a condition in which the thyroid gland is overactive, and hypothyroidism is a condition in which the thyroid gland is underactive.

Symptoms: Mainly asymptomatic, but as the lump grows in size, there may be hoarseness and feeling of foreign matter in the throat.

Diagnostic methods: Ultrasound and fine needle aspiration cytology (FNAC)

Treatment methods: Decided based on the tumor size and infiltration into surrounding tissues.

■ CHA Gangnam Medical Center Breast & Thyroid Cancer Center

Medical staff with extensive knowledge and years of experience provide early detection of breast and thyroid cancer and collaborate with radiologists and more to present accurate finding and treatment.

The center is a specialized clinic that operates individually-tailored patient care system.

Introduction: CHA Gangnam Medical Center

- Korea's leading women's hospital that provides patient-centered medical services and is dedicated to research on basic medicine with its top priority being women's health.
- Boasts high success rates by being equipped with state-of-the-art facilities, applying the latest health technologies, ensuring the implant of the most viable embryos, and devising the optimal treatment plan for each patient.
- There are OB/GYN specialists at the hospital 24/7 throughout the year for emergency delivery services. The medical staff from 14 specialized departments work closely together to provide total healthcare services for women in various life stages ranging from treatment and care for gynecologic conditions to services before, during and after pregnancy.
- A medical institution that has earned the accreditation by the Korean Ministry of Health and Welfare as well as competent authorities in Asia, the United States, Europe and the Middle East for treatment of women's diseases.

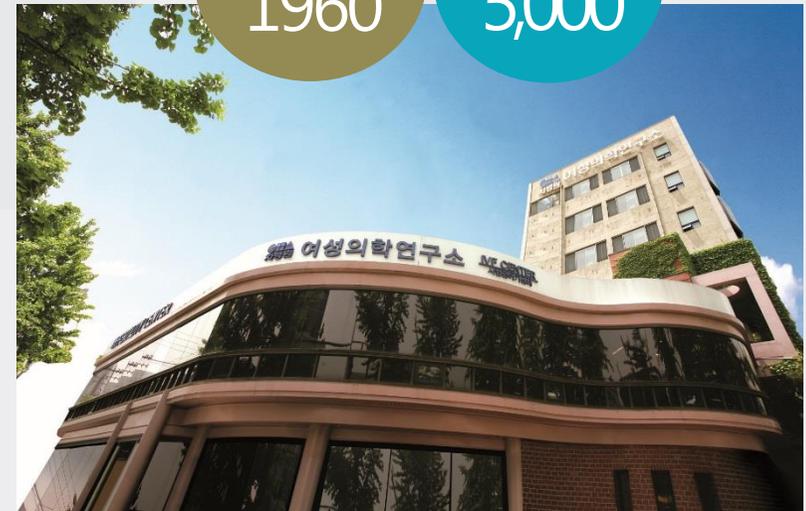


Operated
Since

1960

IVF Case
(Per yr)

5,000



CHA Medical Center Network

Around 1,700 outstanding medical professionals in 7 countries: Korea, Australia, Japan, Singapore, the United States, Indonesia and Vietnam.



1 KOREA

General Hospital

- CHA Gangnam Medical Center
- CHA Bundang Medical Center
- CHA Gumi Medical Center

Specialty Hospital

- CHA Bundang Women's Medical Center
- CHA Daegu Women's Medical Center
- CHAUM Life Center, Ilsan
- Hotel Chaum (D)

Anti-aging Life Center

- Chaum Anti-aging Life Center
- Chaum Medical Exam Center Samseong Branch

Fertility Center

- CHA Fertility Center, Gangnam
- CHA Fertility Center, Bundang
- CHA Fertility Center, Seoulstation
- CHA Fertility Center, Ilsan
- CHA Fertility Center, Daegu

2 AUSTRALIA

Fertility Center

- City Fertility Centre Melbourne North (Bundoora)
- City Fertility Centre Melbourne CBD
- City Fertility Centre Melbourne(Clayton)(D)
- City Fertility Centre Sydney(Liverpool)
- City Fertility Centre Sydney CBD(D)
- City Fertility Centre Gold Coast
- City Fertility Centre Brisbane CBD
- City Fertility Centre Brisbane Southside(Sunnybank)

*(D) : Under development

3 JAPAN

Immunotherapy Clinic

- Specialty Clinic (CMS)

4 SINGAPORE

Fertility Center

- Singapore Medical Group(37 clinics)

5 US

General Hospital

- CHA Hollywood Medical Center

International Healthcare Service

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 Emergency & Delivery 24 hours

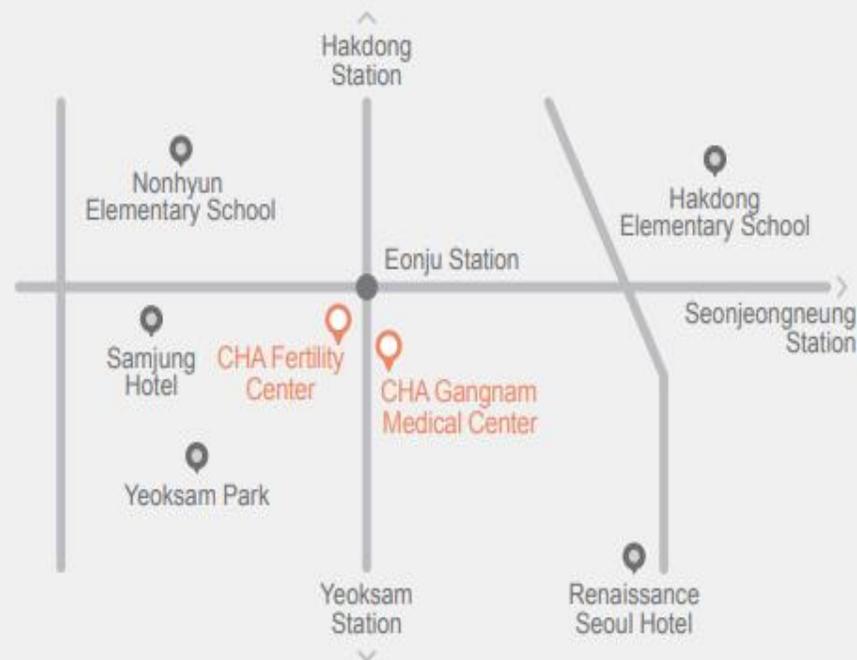
Available Languages

Korean, English, Russian, Chinese, Mongolian, Arabic

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