

More About Our Advanced Infertility Treatments

In Vitro Fertilization (IVF)

In Vitro Fertilization (IVF) is a very common assisted reproductive technology that can be done alone or in conjunction with some of our other assisted reproductive techniques. During IVF, the ovaries are stimulated with medications to mature multiple eggs. Once mature, the eggs are retrieved using a simple office-based procedure. Then, the eggs are fertilized by being exposed to sperm in the laboratory, and the resulting embryos (fertilized eggs) are then transferred back into the uterus through the cervix.

Superovulation Therapy

Superovulation therapy involves treating a woman with medications designed to increase the number of eggs she ovulates each

month. Medications are administered either orally or by injection depending on the level of infertility. Then, fertility is further enhanced by performing an appropriately

timed intrauterine insemination with semen from a woman's partner or donor.

Embryo Cryopreservation

Frequently, when a woman's ovaries are stimulated to increase the number of eggs that can be retrieved, many eggs are obtained. When all of these eggs are exposed to sperm, many embryos may be created. Only a few embryos can be placed in the woman's uterus at one time in order to reduce the risk of multiple births. By using the process of cryopreservation, extra embryos are frozen and stored for later use.

Intracytoplasmic sperm injection (ICSI)

ICSI is a procedure that has dramatically improved the treatment of male infertility and unexplained infertility. A relatively common cause of infertility in couples is a low sperm count. With ICSI, a single sperm can be injected into the egg, resulting in a significantly higher likelihood of fertilization. This process is used in conjunction with IVF.

Egg Donation

Egg donation can assist women who cannot produce healthy eggs, as well as those for whom superovulation therapy has not been successful, those with early onset of natural menopause or surgically induced menopause, and those who carry genetically transmitted diseases. Eggs can be obtained either from a donor chosen by the couple or from an anonymous donor. After the eggs have been fertilized, the resulting embryos are transferred to the recipient's uterus.

"Our goals may be obvious – but getting there is not. We combine highly trained professionals with state-of-the-art technologies and the best in patient support services to help reach our collective goals."

Claudio Benadiva, M.D.
The Center for Advanced Reproductive Services

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Where giving you care means giving you hopeSM

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Fertility Testing & Treatment • IVF • Counseling • Egg & Sperm Donor Programs • Pregnancy Loss Evaluation
The Center for Advanced Reproductive Services is part of the University of Connecticut Health Center.



*"I would recommend
The Center to anyone...
They will always be like
part of our family."*

– A Patient
The Center for Advanced Reproductive Services

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Part of the University of Connecticut Health Center

We had a dream of having children. Here, we were given hope. In our seven year search for help, not only had we been treated, but we were treated well and v

At The Center for Advanced Reproductive Services, you and your dreams are most important. We understand your emotional and health care needs and we focus on what you want most – a baby. We have expertise in the latest technologies and treatments in infertility. We also offer you the compassion and support services that will help you and your partner cope with the special emotional needs of a couple with fertility problems. Our highly trained, compassionate staff will help you each step of the way.

As part of the University of Connecticut Health Center, we offer a wide range of services – from the initial treatments to the very advanced – to help couples like you. Our expert staff designs personal treatment plans for you and your partner that are specifically tailored to meet your individual needs.

Our Services to Help You

All of our services benefit from state-of-the-art technologies and are provided by The Center's physicians, nurses and support staff. Our services include:

- **Complete Infertility Testing & Treatment** (including In Vitro Fertilization, Superovulation Therapy, ICSI, and Egg Donation)
- **Fertility Counseling**
- **Ovulation induction** (treatment for women who are not ovulating)
- **Sperm Banking** (long-term storage for men undergoing chemotherapy or other treatments that may reduce fertility)
- **Donor Sperm Bank**

We also offer services in conjunction with infertility diagnosis and treatment:

- **Pregnancy Loss Evaluation Service** (for women with repeated miscarriages)

- **Laparoscopic Laser Surgery** (for treatment of pelvic adhesions, endometriosis, and tubal occlusion)
- **Hysteroscopic Surgery** (for treatment of uterine problems, including fibroids, adhesions, polyps and septa)
- **Reproductive Endocrinology** (for women with hormonal abnormalities and menopausal symptoms)

Individualized Care

When you become our patient, we help you understand your particular fertility problems and prepare your individualized treatment plan. This plan is tailored to your particular needs based on a review of your medical records and a careful assessment of your fertility status. The Center offers a variety of infertility therapies that have been used successfully at the University of Connecticut Health Center and nationwide.

“With the different infertility therapies The Center offers, we can tailor our treatment to each couple’s individual needs. And since no one couple is alike, this lets us treat specific problems in the best possible way.”

John Nulsen, M.D.
Director, The Center for Advanced Reproductive Services

To enhance the individualized care we provide, you’ll have your own physician.

You’ll also work with other members of our team of caring, highly skilled health care providers.

An Expert Staff

We are among the largest and most successful fertility programs in this area. The Center is run by experts in the field of reproductive endocrinol-

ogy and infertility, Dr. John Nulsen, Dr. Donald Maier and Dr. Claudio Benadiva. Our results and reputation are among the best because we provide the most appropriate medical care in an environment that is sensitive to your needs. Our physicians are board certified specialists in reproductive endocrinology and infertility. Our nurses have extensive training and sub-specialty certification in this area.

Our staff is committed to providing compassionate and supportive care for you. To help us meet that commitment, we help with the emotional stresses of infertility, as well as with insurance coverage and financial planning.

Clinical Excellence

The Center for Advanced Reproductive Services meets the strictest national standards for clinical fertility services and laboratory standards. We are a member of the Society of Assisted Reproductive Technologies (SART), under the auspices of the American Society of Reproductive Medicine, and have reported our success rates to SART since 1991. Our Reproductive Endocrinology and Infertility Laboratory meets the highest standards

“In our seven-year search for help, never had we been treated so professionally and with so much care as when working with The Center’s staff. They were clearly dedicated to bettering our quality of life and providing hope for a miracle. Thank you for your kindness, and especially, thank you for our miracle.”

– A Patient
The Center for Advanced Reproductive Services

including those established by the Clinical Laboratory Improvement Act.

A Commitment to Research

The Center’s success is enhanced by our commitment to research. The physicians and scientists devote significant time to the study of new and more effective treatments and are recognized nationally for their innovative work in this field.

Convenient Services in One Location

Going through fertility treatments can require many trips to our facility. Located in Farmington, Connecticut – minutes off Interstate 84 – our new facility on the University of Connecticut Health Center campus is state-of-the-art. For your convenience, we have our own parking and waiting areas and, in the unlikely event you require a surgical procedure, our outpatient procedures can be performed at John Dempsey Hospital’s Same Day Surgery Center

– right next door – also with its own private parking and entrance area. For other routine procedures, you won’t have to worry about going to a separate facility as all of our services can be performed within the Health Center’s campus by the same, familiar staff.

“We’re proud of our excellent reputation and results. We have a constant focus on our patients’ needs and on providing expert clinical care in an environment that is sensitive and caring.”

Donald Maier, M.D.
The Center for Advanced Reproductive Services