

## VISION

Garavelas Medical Group, Partner of Iolife-Iaso one of the largest and most advanced Assisted Reproduction Centres in Europe, has been created within "Iaso", the top Obstetrics & Gynecology clinic in Greece.

We use the most advanced technology, applying innovative treatments and techniques as well as the highest operational standards to provide certainty to the couples who visit us.

The RI Witness management system tracks and records patient samples at each step of the ART process and acts as a safeguard, to help you maintain peace of mind from day one. Our multidisciplinary team, composed of highly-trained specialists, is fully committed to the individual needs of each and every couple and thoroughly options for the treatment applicable to their case.

Medical Director is Dr. Attanasio Garavelas, a highly experienced fertility specialist offering the most up-to-date treatment solutions combined with a caring and personal service.

Under the supervision of Dr. Gloria Calderon, the leading embryologist of the world's largest IVF Center "IVI", we feel absolutely confident that we are ready to fulfill our vision: to become an Assisted Reproduction benchmark for couples all around Europe.



OB / GYN



## WHY CHOOSE US

Garavelas Medical Group is a state-of-the-art fertility center providing individuals and couples the ability to start or grow their family by offering individualized family building solutions.

As IVF experts, our team works closely with you during the entire process, supporting your emotional and physical needs along the way. We are committed to your success and to making your journey as stress free as possible, providing compassionate, personalized care to fulfill your dreams of starting a family.

So, feel safe and put your trust in us. Not only because we use the most advanced technology in Assisted Reproduction, but because the miracle of life is the source of our enthusiasm and commitment.



### Dr. Attanasio Garavelas

MD, MMSC, MSc, PhD

Obstetrician-Gynecologist

Medical Director Garavelas Medical Group  
Master's Degree in Pathology of Pregnancy  
Master's Degree in Assisted Reproduction and  
Regenerative Medicine  
Fertility Specialist

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Partnership with:



## LET'S MAKE A PLAN TOGETHER

*[ We make families!  
You make the memories! ]*



**OB / GYN**  
by Garavelas  
Medical Group



## SERVICES

A fundamental value for us is our commitment to always provide the objective image of the situation to each pair so as to take the decision together whenever appropriate on the treatment plan. So we can guarantee individual care for each couple who is addressing Garavelas Medical Group, depending on the different medical needs. Understanding the specific needs of couples who turn to us allows us to always provide immediate care and attention to be their loyal companions to this unique "journey" to the conception and birth of a healthy child.

### ☀ In Vitro Fertilization (IVF)

Conventional IVF is the name given to the original 'test tube baby' treatment method and involves mixing prepared sperm and eggs in a dish in the laboratory.

### ☀ Intra-Uterine Insemination (IUI)

Intra-uterine Insemination (IUI) is commonly known as artificial insemination. This has been in use for over 100 years. Artificial insemination includes intra-vaginal, intra-cervical and intra-uterine insemination. The first two procedures were used in the past, but IUI is the most commonly used procedure nowadays.

### ☀ Egg Donation

Egg donation refers to a form of assisted conception treatment whereby another person's eggs are used. The woman who donates the eggs is the donor; the woman who receives the embryos (fertilized eggs) is the recipient.

### ☀ Sperm Donation

This refers to a form of assisted conception treatment whereby another person's sperm (not the male partner of the woman) is used.

### ☀ Surrogacy

Surrogacy refers to an arrangement when one woman carries a baby or babies for another woman/couple and hands over the baby after birth.

### ☀ Fertility Preservation

Fertility preservation involves freezing and storing eggs, sperm or embryos for use in a person's future fertility treatment. In other cases fertility preservation can involve freezing and storing ovarian or testicular tissue. Offers women the possibility of postponing motherhood to those wishing to do so or to cancer patients.



## TREATMENTS

### ☀ Intra-Cytoplasmic Sperm Injection (ICSI)

This refers to a technique whereby a single sperm is injected into the egg. After the egg collection, the cumulus cells, which surround the egg, are removed. This is called stripping the egg for ICSI.

### ☀ Frozen Embryo Replacement

The surplus embryos of a fresh cycle are frozen for future use if they are of good quality. If the fresh attempt is not successful the frozen embryos can be thawed and used for treatment. Even if the fresh treatment is successful, the frozen embryos can be used for having siblings for the successful IVF/ICSI babies.

### ☀ Surgical Sperm Retrieval

Surgical sperm retrieval is a technique for collecting sperm from the epididymis or testis. There are two types of sperm retrieval: Percutaneous Epididymal Sperm Aspiration (PESA) and Testicular Sperm Aspiration (TESA).

### ☀ Pre-implantation Genetic Screening

Pre-implantation genetic screening is a technique whereby the cell is taken from the embryo for checking the chromosomal abnormalities in the embryo.

❖ **Oocyte Cryopreservation:** A modern technique that involves vitrification of a determined number of mature eggs from a woman. It constitutes an exceptionally and more efficient technique than traditional cryopreservation.

❖ **Magnetic-activated cell sorting (MACS):** It allows the spermatozoa with the best characteristics to be selected for use in Assisted Reproduction treatments.

## TREATMENTS

❖ **Time-lapse:** Allows the embryo cell division to be viewed on a monitor in real time, capturing moments from the beginning of life.

❖ **Pre-implantation Genetic Diagnosis (PGD):** The screening of specific genetic and chromosomal alterations in embryos, in order to ensure that children are born free of hereditary diseases.

❖ **Pre-implantation Genetic Screening (PGS):** The technique of removing one or more cell from an in vitro fertilized embryo to test for overall chromosomal normalcy.

• **Advanced Genetic Test:** Allows us to minimize the transmission of genetic diseases to our children.

## INNOVATIVE TREATMENTS

### ☀ Mitochondrial Replacement Techniques – Maternal Spindle Transfer

Mitochondrial replacement techniques (MRT) in general are designed to prevent the transmission of mitochondrial DNA (mtDNA) diseases from mother to child. These diseases vary in presentation and severity, but common symptoms include developmental delays, seizures, weakness and fatigue, muscle weakness, vision loss, and heart problems, leading to morbidity and in some cases premature death.

☀ **Ovarian rejuvenation (PRP)** is a procedure that can create new eggs in the ovaries of women who are unable to conceive due to early menopause, advanced maternal age or low ovarian reserve, but who wish to have their own biological child.

