**Advanced Fertility Procedures**

At **Maa Kauvery Fertility Centre**, we go beyond conventional fertility treatments by offering advanced procedures that improve success rates, provide flexibility, and give couples more options in their parenthood journey.

**In Vitro Maturation (IVM)**

In Vitro Maturation (IVM) is a specialized technique where **immature eggs are collected from the ovaries and matured in our laboratory before being fertilized through IVF**.

**Why IVM?**

* Useful for women with polycystic ovary syndrome (PCOS) or those at risk of Ovarian Hyperstimulation Syndrome (OHSS).
* Reduces the need for high doses of hormonal medication.
* Provides an effective alternative for women who cannot undergo conventional ovarian stimulation.

At Maa Kauvery, our embryologists use **precision-controlled lab environments** to nurture eggs into maturity, ensuring the best chances for fertilization and embryo development.

**Laser-Assisted Hatching**

Sometimes, even a healthy embryo needs a little help to implant successfully in the uterus. **Laser-Assisted Hatching (LAH)** is an advanced laboratory technique where a precise laser is used to gently thin or create an opening in the embryo’s outer shell (*zona pellucida*).

**Benefits of LAH:**

* Improves implantation rates, especially in women over 35.
* Helpful for couples with previous IVF failures.
* Enhances outcomes when embryos have thicker shells.

At Maa Kauvery, our use of **state-of-the-art laser systems** ensures accuracy, safety, and the best support for embryo development.

**Cryopreservation (Egg, Sperm & Embryo Freezing)**

Cryopreservation is the process of **safely freezing and storing eggs, sperm, or embryos** for future use. This gives couples the flexibility to plan parenthood at their own pace while preserving fertility potential.

**When Cryopreservation Helps:**

* Women or men undergoing medical treatments (like chemotherapy) that may affect fertility.
* Couples wanting to delay parenthood but preserve high-quality eggs/sperm.
* Storing surplus embryos from IVF cycles for later use.

Our advanced freezing techniques, such as **vitrification**, ensure high survival rates after thawing, giving you peace of mind that your fertility is safely preserved.

*At Maa Kauvery Fertility Centre, these advanced procedures complement our core ART treatments, ensuring that every couple receives the most effective, personalized fertility care available today.*

**Comparing Advanced Fertility Procedures**

| **Procedure** | **What It Involves** | **Who It’s For** | **Advantages** | **Considerations** |
| --- | --- | --- | --- | --- |
| **In Vitro Maturation (IVM)** | Immature eggs are retrieved and matured in the lab before being fertilized via IVF. | Women with PCOS or those at risk of Ovarian Hyperstimulation Syndrome (OHSS); patients who cannot undergo full hormonal stimulation. | - Less hormone medication needed - Reduces risk of OHSS - Provides effective IVF alternative | - Not as widely available as conventional IVF - May have slightly lower success rates in some cases |
| **Laser-Assisted Hatching (LAH)** | A precision laser creates a small opening in the embryo’s outer shell (*zona pellucida*) to aid implantation. | Women over 35, couples with previous IVF failures, or cases where embryos have thick outer shells. | - Improves implantation rates - Increases chances after repeated IVF failures - Safe, accurate technique | - Only recommended in specific cases - Requires advanced lab expertise |
| **Cryopreservation** (Egg, Sperm & Embryo Freezing) | Eggs, sperm, or embryos are safely frozen using vitrification for future use. | Couples wanting to delay parenthood, patients undergoing medical treatments like chemotherapy, or storing extra embryos after IVF. | - Preserves fertility for the future - Provides flexibility in family planning - High survival rates with advanced freezing | - Storage & future treatment costs - Requires long-term monitoring & planning |

**Note for Patients:** These procedures are often used **in combination with IVF or ICSI** to improve outcomes, preserve fertility, and provide flexibility. Your doctor will recommend them only if they truly benefit your journey.

*Book a consultation with Maa Kauvery experts to explore the best fertility options for you.*