

## **Process of IVF/ICSI cycle with Donor eggs and ET in the recipient**

Your detailed history, including past medical and surgical details and review of relevant past investigations helps us to decide the plan of action

When you confirm your plans for treatment with donated eggs and your partner's sperms with embryo transfer in you, the following processes are involved:

### **1) Egg donor involvement:**

**Pre-treatment checklist:** This includes tests on your partner and the egg donors to prepare for further treatment.

**Selection of Egg donor:** Donor profiles are submitted to you **(WITHOUT Photo Display)**. Detailed history and the features of the donors are provided. Infection screens and baseline tests are mostly done when final 2 profiles are sent for selection. Name identities are not provided to ensure confidentiality. Only when you approve the donor's profile, we start the further process. This can take 4 to 6 weeks.

**Psychological evaluation:** A thorough counseling session with the egg donor is undertaken to ensure that she understands the process fully and are making an informed choice. They can still walk away at this stage without any obligation.

**Egg donor evaluation:** At this stage we ensure that all detailed tests such as an infection screen (HIV, Hepatitis B and C, VDRL and CMV), cytogenetic tests (karyotyping), Hemoglobin, electrophoresis and so on are available. Any other tests that you may request will also be performed.

**Cycle coordination followed by Down regulation:** The donor and your menstrual periods are coordinated. Down regulation injections (GnRH injections) are started on the donor and you towards the 21<sup>st</sup> day of the period. These are given till one day before the egg collection procedure.

**Ovarian stimulation:** Hormonal injections are given to the donor to stimulate egg production in her ovaries. These are needed for 10 to 11 days.

**Your travel to India:** You should plan to travel to India two to three days before the donor egg collection.

**Egg collection:** Around the 14<sup>th</sup> day, the donor's egg collection performs in our dedicated IVF theatre. After this stage, the donor involvement is finished. A fresh sample is taken from your partner on the day in the further process. We provide a special en-suite room for this purpose.

**IVF/ICSI Laboratory work:** Further work with the eggs and the sperms takes place in our state of the art embryology laboratory. Embryos are incubated in the special incubators till the day of embryo transfer (day 3 or 5). During the time that the egg donor's treatment is going on, your preparation is done for the embryo transfer.

## **2) Your preparation for embryo transfer (ET):**

**Cycle coordination followed by Down regulation:** The donor and your menstrual periods are coordinated. You are given OC pills from the second day of your period to control the period date. This can be given by your local GP. Down regulation injections (GnRH injections) need to be taken locally on the day when we stop your pill (towards the 22<sup>nd</sup> day of your period). You are then likely to get a period. Please inform the first day of the period in the hospital. The injections are continued till one day before the egg collection procedure.

**Preparing the lining of the womb:** Another hormonal tablet is given to you from the second day of your period on a daily basis to ensure that the lining of your womb grows well. This helps the implantation after the embryo transfer. On the seventh day, we may request an internal scan to check that the lining of the womb is growing well. This will have to be done locally. If this is done privately, there would local costs, which are not included in the price packages. These tablets are continued even after the pregnancy happens and reviewed later.

**Transferring the embryos to the womb:** Generally 3 to 5 days after the egg collection, the embryos are ready to be transferred to you. We check all the available embryos and grade them. The selected good ones are then transferred to you.

**Return to home:** After the embryos are transferred, you could return home anytime. Some prefer to stay rested for the first 5 days while the implantation process is happening inside the body. In total, your stay in India could be between 7 to 10 days.

**Pregnancy test:** This important day is generally the 14<sup>th</sup> day after the embryos are transferred to you. The levels of B HCG in the mother's blood are tested to detect pregnancy. This may have to be repeated 48 hours later to check if the levels are rising adequately.

**Further care:** Once the pregnancy is confirmed, the further antenatal care is continued at your local hospital.

### 3) The Origin's involvement:

**Evaluation** – Our internationally trained experts will review your history and all previous treatment (including investigations) to give you a truly expert opinion.

**Individualized services** - Based on our evaluation of your case and the opinion provided, you are expected to make an informed choice of further treatment. Together we then take the matter further. This may include choosing a suitable egg donor. Sometimes surgery may appear necessary to improve our success rates. If this is chosen, we can organize this for you. Blood, semen or any other test required in your case can be organized by us. The best part is all these services are provided within the three floors of the Origin centre.

**Coordination** – Once the background evaluation, planning and preparation is complete, we put a schedule in place so that you can start making your arrangements to visit us. Our dedicated fertility coordinator works in each case with an individual attention to ensure smoothness throughout.

**Mediation** – Tuning expectations are an important aspect of this treatment. They are provided with the emotional, physical, social and financial support. Our egg donors are very happy and satisfied with our services. When fairness, transparency, sincerity and honesty is guaranteed the whole process becomes enjoyable for all.

**Support services** – The Origin support services such as pathology, pharmacy, scanning, counselling and so on are available at all times for our patients