

## IVF in CEGyR Dr. Demián Glujovsky

**What medication you will use depends on your medical history (age, previous IVF cycles, hormonal profile, etc.)**

### **GnRH Agonist cycle**

Leuprolide acetate (Lupron 2.8): On **day 21 of menstrual cycle**, you will have to use Lupron 0.1 ml/day (subcutaneous injection) until the day you will use hCG. Used for hormonal suppression and prevention of early ovulation. At this step, we will plan probable dates for traveling to Argentina.

You will have to do a **transvaginal ultrasound** done on the 2nd or 3rd day of the next menstruation. I will also need to know the **estradiol level in blood** (the same day of the ultrasound)

- E-mail me with those results
- I will instruct you when to start with gonadotropins
- Do not stop Lupron

Gonadotropins (Bravelle, Follistim, Gonal, Repronex): Used for stimulation of follicular growth, and can be administered SC and IM. When you start with gonadotropins, you should change Lupron doses to 0.05 ml/day.

You will have to do a **transvaginal ultrasound** done on the 5th day of gonadotropins. I will also need to know the **estradiol level in blood** (the same day of the ultrasound)

- E-mail me with those results
- I will instruct you how to go on with gonadotropins
- Do not stop Lupron
- At this step, we will plan final dates for traveling to Argentina.

You will continue taking gonadotropins and Lupron. Two or three days later I will see you in CEGYR, Argentina, to do an ultrasound and estradiol level. I will instruct you how to go on.

Human Chorionic Gonadotropin – hCG – (Novarel, Ovidrel, Profasi, Pregnyl): Completes final maturing process of oocytes and triggers ovulation within 36 hours after injection.

Antibiotics (Doxycycline): Prevents infection from oocyte retrieval or minor surgery. Unless otherwise prescribed, one tablet twice daily for 3 consecutive days from the day before oocyte retrieval.

Progesterone (Progesterone in oil or in suppositories): I will instruct you when to start with progesterone (after oocyte retrieval). It thickens the lining of the uterus.

## **GnRH Antagonist cycle**

Oral contraceptive pills: On the **first day** of your next menstruation, you will have to start with oral contraceptives for 21 days. At this step, we will plan probable dates for traveling to Argentina.

You will have to do a **transvaginal ultrasound** done on the 2nd day of the next menstruation. I will also need to know the **estradiol level in blood** (the same day of the ultrasound)

- E-mail me with those results
- I will instruct you when to start with gonadotropins

Gonadotropins (Bravelle, Follistim, Gonal, Repronex, Luveris): Used for stimulation of follicular growth, and can be administered SC and IM.

You will have to do a **transvaginal ultrasound** done on the 5th day of gonadotropins. I will also need to know the **estradiol level in blood** (the same day of the ultrasound)

- E-mail me with those results
- I will instruct you how to go on with gonadotropins
- I will instruct you how to start with GnRH antagonist
- At this step, we will plan final dates for traveling to Argentina.

You will continue taking gonadotropins. Two or three days later I will see you in CEGYR, Argentina, to do an ultrasound and estradiol level. I will instruct you how to go on.

GnRH antagonist (Antagon): Prevents early ovulation. Taken SC.

Human Chorionic Gonadotropin – hCG – (Novarel, Ovidrel, Profasi, Pregnyl): Completes final maturing process of oocytes and triggers ovulation within 36 hours after injection.

Antibiotics (Doxycycline): Prevents infection from oocyte retrieval or minor surgery. Unless otherwise prescribed, one tablet twice daily for 3 consecutive days from the day before oocyte retrieval.

Progesterone (Progesterone in oil or in suppositories): I will instruct you when to start with progesterone (after oocyte retrieval). It thickens the lining of the uterus.

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