 瑪麗醫院 QUEEN MARY HOSPITAL	Department of Obstetrics and Gynaecology	Document No.	OGRM209
	Subject Information on OI by gonadotrophin -English	Issue Date	April 2020
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		Approved by	HKU-QMH-KWH CARE
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Information on Induction of Ovulation by Gonadotrophin

Question: What does the treatment involve?

It involves:

- Answer:**
- 1) use the drug gonadotrophin to stimulate the development of a single follicle in the ovary;
 - 2) monitoring of ovarian response by pelvic ultrasound;
 - 3) sexual intercourse around ovulation as instructed by the doctor.

Question: Which types of women can be helped by this therapy?

Answer: This therapy can only be performed for women whose pelvic organs are normal and the fallopian tubes are patent. It is mainly used to treat those women who fail to ovulate even after oral fertility drugs.

Question: What are the conditions that may lead to failure of this therapy?

Answer: These include –

- 1) poor response to the drug stimulating the ovaries;
- 2) failure to have intercourse as instructed by doctor;
- 3) excessive response – if more than 2 follicles develop, the treatment will be stopped because of the high risk of multiple pregnancy.

Question: Is there a higher chance of multiple pregnancies?

Answer: Yes. The incidence of multiple pregnancies is around 10%.

Question: If a woman conceives with this therapy, will there be a higher chance of fetal abnormalities?

Answer: There is no such evidence.


Question: Will there be any complications associated with this therapy?

Answer: In general, the treatment procedures in this therapy are fairly safe and the complication rate is low. The possible complications include:

- 1) multiple pregnancy;
- 2) ovarian hyperstimulation syndrome (Patient may develop abdominal distention and pain, vomiting, ovarian cysts, fluid in the abdomen and the lung etc.);
- 3) fertility drugs may slightly increase the risk of ovarian cancer but the evidence is not conclusive.

Question: Is there any way to reduce the number of fetuses in case of multiple pregnancies?

Answer: Yes. There is an option of selective fetal reduction which can be considered in those carrying 3 or more fetuses. The procedure, however, is not without any risk and may result in loss of all fetuses.

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Instruction Sheet for Induction of Ovulation by Gonadotrophin

Please read the following instructions carefully and make sure that you understand what you have to do. The success of this treatment depends very much on your co-operation.

(Affix patient's label)
Patient's name &
ID number

1. Your first treatment cycle will be started in ____ (mm) ____ (yy). You may require to take tablets to induce vaginal bleeding.
2. On the 2nd day of your period in the treatment cycle, you have to come to K5 North, Queen Mary Hospital at 7:30 in the morning to have a vaginal pelvic scan and to check the baseline hormone.
 - If the 2nd day falls on Saturday or Sunday, you can come up on Monday.*
 - You may be asked to repeat the tests if the basal hormone level is still high or a cyst of the ovary is seen in the scan
3. Usually you can start on day 3 or day 4 onwards to receive daily injections to stimulate the follicle in the ovaries. You can have the injections in the clinic or by yourself.
4. After 5 days of injection, ultrasound scans may be repeated to monitor the response to stimulation. You will be informed of the time of injection of hCG to induce ovulation when the follicle is mature. Female hormone level will be measured on the day of hCG injection. You should have intercourse with your husband the same and the following night. You can have regular sexual intercourse with your husband throughout the procedure.
5. From the third day after the hCG injection, you will be given two weeks of oral progesterone tablets to support the luteal phase. Blood may also be taken later to monitor your hormonal levels.
6. If the cycle fails, menstruation will return about 14 days after the hCG injection to induce ovulation. You can come back on the second day of the period to proceed further treatment cycles. However, if ultrasound scanning shows the presence of cysts of the ovaries, you may have to postpone the treatment. In general, a maximum of six treatment cycles may be offered. (Treatment may be stopped earlier in certain situations.)
7. If you still have any query, please call us at 2255-3657 and leave a message. Our staff will call back as soon as possible.