

LETTER OF INVITATION

Dear

Re: The use of GnRH antagonist versus co-flare protocol for women with low ovarian reserve undergoing first cycle of in vitro fertilization

A research study is being carried out at the Leicester Fertility Centre of Leicester Royal Infirmary to determine what treatment protocol is likely to be more successful for IVF treatment in women with abnormal or low ovarian reserve test.

As you are currently receiving fertility investigations and treatment at Leicester Royal Infirmary, we would be very grateful for your help. The success of IVF treatment is dependent on the number of eggs collected after stimulation of the ovaries with medications. In women with abnormal or low ovarian reserve (i.e the capacity of the ovaries to produce eggs), it can be difficult to stimulate the ovaries to produce enough eggs for successful outcome. For this group of women there are two different treatment regimes used routinely to stimulate the production of eggs from the ovaries. However, there is uncertainty about which treatment is more effective in women with reduced or low ovarian reserve undergoing their first cycle of IVF treatment.

The aim of this study is to determine the treatment protocol most likely to increase the number of eggs collected during the first IVF treatment cycle in women with decreased ovarian reserve. The answers obtained from this study will have the potential to improve the number of eggs obtained with first cycle of IVF treatment and thereby potentially increase the chances of achieving successful pregnancy

It is a randomised study, meaning you will be allocated a computer generated number to suggest whether you will have treatment regime 'a' or 'b'. Rest of the treatment is the same as any other patient. Further details of the study are enclosed in the information sheet. No information about yourself will be recorded for the study and your identifying information will be kept anonymous.

If you are undergoing first NHS funded IVF treatment cycle and have been investigated and identified with low/reduced ovarian reserve, you will be able to help in the study.

Participation would involve:

- a) Seeing researcher once for 30 minutes to discuss any further questions about the study and signing a consent form**
- b) Undergoing one additional blood test to confirm reduced ovarian reserve (Antimullerian hormone test). This will not be charged.**

If you agree to participate in this study, please could you phone on 0116 2585922 or inform reception of Leicester Fertility Centre, and the researcher can get in touch with you.

I would like to thank you for taking time to read this letter. If you have any queries, please feel free to contact me on the telephone number below.
Yours sincerely

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