

## CLOMIPHENE CITRATE CHALLENGE TEST (CCCT)

### PURPOSE:

The purpose of the clomiphene citrate challenge test (CCCT) is to evaluate how well your ovaries are functioning. The results of the test provide information on (1) the likelihood of achieving pregnancy without fertility treatments and (2) the likelihood of fertility treatments improving your chances of achieving a pregnancy.

### BACKGROUND:

In most cases, age of the female partner is the single most significant factor in determining fertility potential. Age, however, does not always predict how a woman's ovaries will respond to fertility treatments. In order to determine this, doctors have traditionally measured the baseline level of specific hormones in a woman's blood on the second or third day of her menstrual cycle. In cases of prolonged infertility or where the woman is greater than age 35, about five percent will have normal baseline, yet their fertility potential is poor. The best method to identify this group of women is to stimulate the ovaries with clomiphene citrate and then measure the response of the body to the medication. The results from the clomiphene citrate challenge may then be used to guide fertility treatments.

### SCHEDULING:

To schedule the clomiphene citrate challenge test, please call the office (202) 293-6567 on the first day of your menstrual cycle. If your cycle begins on a Saturday or Sunday, please come in to the office on Monday morning between 7:30 AM and 9:30 AM.

### PROCEDURE:

CYCLE DAY 2 or 3 Blood work to measure the levels of follicle stimulation hormone (FSH) and estradiol.

CYCLE DAY 5 – 9 Take 100 mg (2 pills) of clomiphene citrate (Clomid<sup>®</sup>, Serophene<sup>®</sup>) daily

CYCLE DAY 10 Blood work to measure the level of FSH

### RESULTS:

The results return after 2:00 PM on the day that your blood was obtained. Your physician will review the results and discuss the impact of the results on your treatment options.