

# INFERTILITY

## AND THE ULTRASOUND JOURNEY

Ultrasound is an invaluable tool in fertility assessment and assisted reproductive medicine.

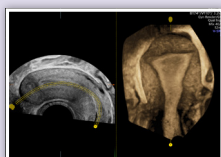


### Initial Assessment

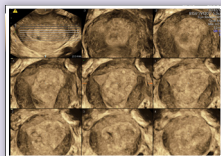
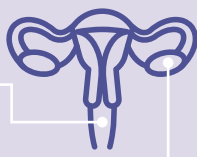
After evaluation, if findings are normal, your physician will determine the best course of action. If IVF is indicated your ultrasound journey begins.



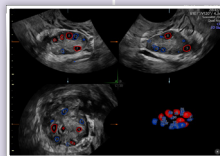
Evaluation of pelvis including uterus, ovaries and fallopian tubes



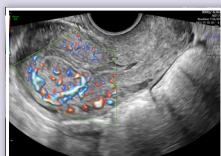
3D view normal uterus



Endometrial mass



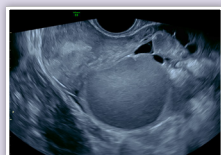
3D follicle assessment



Color flow uterine mass



Complex ovarian cyst



Uterus and ovarian mass



Mass adjacent to ovary

Pathology including endometriosis, adenomyosis and fibroids can impact fertility

For more information about Reproductive Medicine and IVF please visit <https://www.volusonclub.net/empowered-womens-health/>

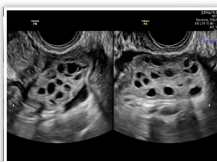
[gehealthcare.com](http://gehealthcare.com)

### Ultrasound and IVF

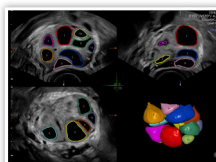
During IVF ultrasound is used to monitor follicle growth throughout stimulation, as a guidance tool during egg retrieval and embryo transfer and finally to confirm a viable pregnancy

#### 1 MONITORING

During hormonal stimulation growing follicles are monitored for size to determine the optimal time to trigger ovulation



Starting day **6-8**



Every **2-3** days



**3-4** scans



**Follicle** reaches maturity

#### Ovulation induced



**36** hours later

#### 2 RETRIEVAL

Eggs retrieved under Ultrasound guidance



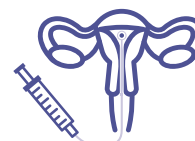
#### Fertilize Oocyte



Embryo reaches blastocyst stage

#### 3 EMBRYO TRANSFER

Thin plastic cannula inserted through vagina and cervix to uterine cavity



**Embryo** deposited



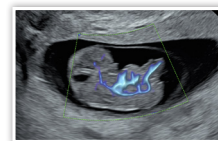
#### 4 PREGNANCY CONFIRMATION



Pregnancy test **2 weeks** after transfer

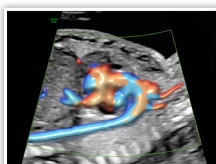
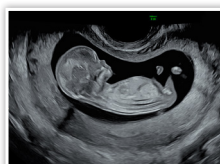
**3-4** weeks after transfer

- Viability
- Number
- Is it positioned within uterus
- Measurements



Throughout your pregnancy your baby will be monitored periodically

## CONGRATULATIONS!



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FOR WOMEN



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