

International Institute for Training & Research in  
Reproductive Health  
(IIRRH)

**IUI COURSE MATERIAL**

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# **INTRA UTERINE INSEMINATION**

## **CLINICAL**

### ➤ **Investigations of patients for IUI**

- Male factor infertility
- Female factor infertility
- unexplained infertility,

### ➤ **STIMULATION PROTOCOLS:**

- Clomiphene
- Clomiphene Citrate and HMG
- GnRH
- Use of Growth Hormone

### ➤ **ULTRASOUND MONITORING**

## **LABORATORY**

### ➤ **SEMINAL PARAMETERS FOR AN IUI PROCEDURE**

### ➤ **SAFETY CONSIDERATIONS**

### ➤ **METHOD OF COLLECTION**

### ➤ **CASA ( COMPUTER ASSISTED SEMEN ANALYSIS)**

### ➤ **PHYSICAL EXAMINATION**

- Volume
- Liquification
- Colour
- Viscosity
- Ph

➤ **MICROSCOPIC EXAMINATION:**

- Cellular debris
- Agglutination
- Motility
- Sperm count
- Sperm morphology

➤ **FRUCTOSE TEST:**

- Application & Principle:
- Preparation of reagents:
- Method :
- Evaluation of test

➤ **EVALUATING SPERM FUNCTION:**

- HOS TEST (HYPO OSMOTIC SWELLING TEST)

➤ **PREPARATION METHODS FOR IUI:**

➤ **SPERM SEPARATION TECHNIQUES:**

- WASHING
- SWIM-UP METHOD
- DISCONTINUOUS OR CONTINUOUS PERCOLL GRADIENT

➤ **Insemination Technique**

➤ **Hands on Training**

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