

MALE INFERTILITY

Causes

- Pretesticular
 - Hypothalamus
 - Hypogonadotropic hypogonadism
 - Pituitary
- Testicular
 - Chromosomal
 - Abnormalities of sex chromosomes
 - Non-chromosomal
- Post-testicular
 - Problems with sperm transportation through ductal system
 - Problems crossing cervical mucus

Influencing Factors

- Duration of infertility
- Timing of puberty
- Sexual history
- Social history
 - Smoking and drug use
 - Alcohol use
- Medical history
 - Childhood urologic disorders or surgical procedures
 - Spinal cord injury
 - STDs
 - Diabetes
- Medications
 - Tetracycline

Laboratory Testing

- Semen analysis - most common
- Antisperm antibody test
- Hormonal analysis
 - FSH, LH, TSH, testosterone, prolactin
- Genetic testing
 - Karyotype
 - Cystic fibrosis
 - Azoospermia deletions
- Imaging
 - Transrectal ultrasonography
 - Scrotal ultrasonography
 - Vasography
- Procedures
 - Testicular biopsy