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**MATRIC NO: 17/MHS01/304**

**NURSING DEPARTMENT**

**PHS 212 ASIGNMENT**

**QUESTIONS**

**Write short notes on the following:**

1. Male Infertility
2. Testosterone

**ANSWERS**

1. Male Infertility

Male Infertility refers to a male’s inability to cause pregnancy in a fertile female. In humans it accounts for 40-50% of infertility. It affects approximately 7% of all men.

**Causes of Male Infertility**

1. Genetics
2. Retrograde ejaculation(when semen goes backwards)
3. Abnormal set of chromosomes
4. Medication
5. Hormones
6. Acrosomal defects affecting egg penetration
7. Varicoceles(swollen veins in the scrotum)

**Diagnosis**

1. Testicular biopsy
2. Physical examination
3. Semen analysis
4. Hormonal profile
5. Ultrasonography

**Treatment**

1. Hormonal therapy
2. Drugs
3. Vascoepididymostomy
4. Testicular sperm extraction(TSE)
5. **Testosterone**

Testosterone is the hormone responsible for the development of male sexual characteristics. It is the primary male sex hormone amd anabolic steroid. The normal range in male’s testosterone level is 270-1070ng/dl with an average level of 679ng/dl.

**Functions of testosterone**

1. It regulates fat distribution
2. It controls red blood cell production
3. It regulates sperm production
4. It regulates sex drive
5. It regulates bone mass
6. It regulates muscle size and strength

**Testosterone Imbalance**

Low testosterone level (hypogonadism) leads to:

1. Reduced sex drive
2. Erectile dysfunction
3. Low sperm count
4. Increased body fat
5. Osteoporosis
6. Testicular shrinkage

**Treatment for hypogonadism**

1. Testosterone supplements
2. Testosterone replacement therapy
3. Prohormone supplements

High testosterone level leads to increased growth pattern.