

NAME: NITA YONREN ORITSESEUNDEDE

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## SEMEN

This is a fluid that is released through the penis during orgasm. Semen is made up of fluid and sperm. The fluid comes from the prostate, seminal vesicles, and other sex glands. The sperm are manufactured in the testicles. The seminal fluid helps transport the sperm during orgasm. Seminal fluid contains sugar as an energy source for sperm

Structure within the male reproductive tract that are involved in the production of semen include

- . Testes and epididymis
- . Prostate
- . Seminal vesicles
- . Bulbourethral gland

Semen is produced as a combination of secretions from the different regions of the male reproductive tract. Each fraction differs in chemical composition and function. The combination of these fractions during ejaculation results in the optimal environment for transporting sperm to the endocervical mucus in the female.

## MALE INFERTILITY

Male infertility is any health issues in a man that lowers the chance of his female partner getting pregnant. In humans it accounts for 40 to 50 infertility. It affects approximately 7% of all men. Male infertility is commonly due to deficiencies in the semen, and semen quality is used as a surrogate measure of male fecundity.

There are a number of things that can harm the production of sperm, so it's best to avoid

- . Smoking cigarettes
- . Drinking excess alcohol
- . Catching sexually transmitted infections
- . Heat stress from tight fitting underwear
- . Anabolic steroids taken for body building or sporting purposes.

## CAUSES

Making mature, healthy sperm that can travel depends on many things. Problems can stop cells from growing into sperm. Problems can keep the sperm from reaching the egg. Even the temperature of the scrotum may affect fertility. These are the main causes of male infertility

Sperm disorders

Varicoceles

Retrograde ejaculation

Immunologic infertility

Obstruction

Hormones

Chromosomes

Medication

## TREATMENT

Non-surgical therapy for male infertility

Surgical therapy for male infertility

Treatment for unknown causes of male infertility