

Letter to the Editor

Andrology and Male Infertility

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As invited for Special Edition and related to focuses on the scope of the journal & the issue contains the latest scientific information providing free & unlimited access to the reader, this is pleasure to be part of the special edition of "Austin Andrology". The journal "Austin Andrology" can very useful to scientists from any backgrounds and profiles such as scientists related to human, animals, chemistry, physiologists, and more it is pleasure to be part of the editorial and share with colleagues the important and projections of this journal. For this, I congratulate and respect to Austin Publishing Group for promoting a scientific journal focused on these issues.

Events Under Normal Conditions

The man's body makes tiny cells called sperm. During sex, ejaculation normally delivers the sperm into the woman's body.

The male reproductive system makes, stores, and transports sperm. Chemicals in your body called hormones control this. Sperm and male sex hormone (testosterone) are made in the 2 testicles. The testicles are in the scrotum, a sac of skin below the penis. When the sperm leave the testicles, they go into a tube behind each testicle. This tube is called the epididymis.

Just before ejaculation, the sperm go from the epididymis into another set of tubes. These tubes are called the vas deferens. Each vas deferens leads from the epididymis to behind your bladder in the pelvis. There each vas deferens joins the ejaculatory duct from the seminal vesicle. When you ejaculate, the sperm mix with fluid from the prostate and seminal vesicles. This forms semen. Semen then travels through the urethra and out of the penis.

Male fertility depends on your body making normal sperm and delivering them. The sperm go into the female partner's vagina. The sperm travel through her cervix into her uterus to her fallopian tubes. There, if a sperm and egg meet, fertilization happens.

The system only works when genes, hormone levels and environmental conditions are right.

Male Infertility

Infertility affects approximately 1 out of every 6 couples. An infertility diagnosis is given to a couple who are unable to conceive over the course of one year. When the problem lies with the male partner it is referred to as male infertility. Male infertility factors contribute to approximately 30% of all infertility cases, and male infertility alone accounts for approximately one-fifth of all infertility cases. Reproduction (or making a baby) is a simple and natural experience for most couples. However, for some couples it is very difficult to conceive. A man's fertility generally relies on the quantity and quality of his sperm. If the number of sperm a man ejaculates is low or if the sperm are of a poor quality, it will be difficult, and sometimes impossible, for him to cause a pregnancy. Male infertility is diagnosed when, after testing both partners, reproductive problems have been found in the male. Male infertility is usually caused by problems that affect either sperm production or sperm transport. Through medical testing, the doctor may be able to find the cause of the problem.

About two-thirds of infertile men have a problem with making sperm in the testes. Either low numbers of sperm are made and/or the sperm that are made do not work properly.

Sperm transport problems are found in about one in every five infertile men, including men who have had a vasectomy but now wish to have more children. Blockages (often referred to as obstructions) in the tubes leading sperm away from the testes to the penis can cause a complete lack of sperm in the ejaculated semen.

In this regard, Austin Andrology make the possibility of progressive in many fields, share researchers from any country provide original researches and information through the publication of papers with high index. I am glad to contribution with Austin Andrology journal and hope that researchers may share with their research by this valuable publication.