

# Hypogonadism

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**In news**— New study has found that testosterone treatment with respect to Hypogonadism increases the risk of cardiovascular events such as arrhythmia, heart attack, and stroke, in the short to medium terms.

## What is Hypogonadism?

- Hypogonadism is a **condition caused by the deficiency of the male sex hormone, testosterone.**
- It is **diminished functional activity of the gonads – the testes or the ovaries**, that may result in diminished production of sex hormones.
- **Low androgen (e.g., testosterone) levels are referred to as hypoandrogenism and low estrogen (e.g., estradiol) as hypoestrogenism.**
- These are responsible for the observed signs and symptoms in both males and females.
- Hypogonadism, commonly referred to by the symptom “low testosterone” or “Low T,” can also decrease other hormones secreted by the gonads including progesterone, DHEA, anti-Müllerian hormone, activin, and inhibin.
- Sperm development (spermatogenesis) and release of the egg from the ovaries (ovulation) may be impaired by hypogonadism, which, depending on the degree of severity, may result in partial or complete infertility.