



Clomid Treatment with low testosterone levels is safe and preserves and enhances fertility

Dr. Jeffery Dachshund explains, "In the female, estrogen receptors in the hypothalamus control releasing hormone (GnRH) as well as pituitary LH and FSH production. The Male of the species has this same estrogen receptor in the hypothalamus which controls LH and FSH production. Blocking this hypothalamic estrogen receptor can be accomplished with clomiphene, a drug FDA approved for use in women. Clomiphene use in males is "off label" use, however.

The drug then "tricks" the hypothalamus to produce more releasing hormone (GnRH), which in turn travels to the pituitary gland to increase LH and FSH production. LH and FSH in turn increase testosterone production, and sperm production, thus maintaining and enhancing fertility.

In our patient, the hypothalamic Estrogen receptors were set to shut off at a relatively low estrogen level. The drug "reset" this to a higher level, allowing more LH, FSH which then stimulated testosterone production.

The advantage of this treatment approach is that it does not impair fertility. For younger males who wish to maintain or enhance fertility this is a good option.

Clomiphene binds to and "blocks" the estrogen receptor sites in the hypothalamus. This stimulates the production of GnRH, gonadotropins.

Clomiphene for men with low testosterone is a viable option for younger males who wish to maintain fertility. Use in males is "off-label".

Studies:

BJU Int. 2012 Mar 28. Clomiphene citrate is safe and effective for long-term management of hypogonadism.

Moskovic DJ, Katz DJ, Akhavan A, Park K, Mulhall JP.
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