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Testosterone Secretion Process

National Cancer Institute

Source

National Cancer Institute. *Testosterone Secretion Process*. NCI Thesaurus. Code C41475.

Testosterone Secretion Induction consists of initiation of activities involved in release into the bloodstream by testicular interstitial (Leydig's) cells of the major androgenic steroid hormone (testosterone) produced in response to adenohipophyseal luteinizing hormone that regulates gonadotropic secretion; Wolffian duct differentiation into epididymis, vas deferens, and seminal vesicle; spermatogenesis after peripheral conversion to dihydrotestosterone by 5 α -reductase; and skeletal muscle and bone tissue. Alteration of positive or negative feedback mechanisms can affect hormone release.