

Selective Androgen Receptor Modulators (SARMs) are non-steroidal compounds with favorable oral bioavailability that were developed in the early 2000s in an attempt to overcome the pharmacologic and pharmacokinetic limitations of steroidal androgen receptor agonists (i. e. , testosterone and DHT), which have known associations with liver and heart .



??? SHOP NOW ONLINE ???

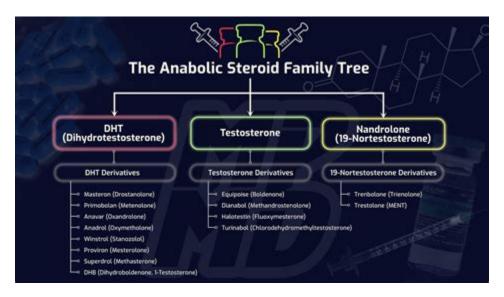
# Sarms: Illegal muscle drugs sold in UK shops, BBC finds



Out of the 520 responses, 343 participants admitted having used SARMs. Most were males (98. 5%),

between the ages of 18-29 (72. 3%). More than 90% of users acquired SARMs via the internet and did not consult with a physician. More than half of SARMs users experienced side effects including mood swings, decreased testicular size, and acne.

# Impact of anabolic androgenic steroids on sexual function - PMC



SARMs have numerous possible clinical applications, with promise for the safe use in the treatment of cachexia, BPH, hypogonadism, breast cancer, and prostate cancer. Keywords: Selective Androgen Receptor Modulators, Drug-Related Side Effects and Adverse Reactions, Hypogonadism, Androgens Go to: INTRODUCTION

Viagra: Can BBC show help men talk about erectile dysfunction?



Erectile dysfunction is a common disease complained by male patients in clinical andrology, of which prevalence and severity rise as age [1]. Diabetes mellitus is one of the most common risk.

### FDA Warns Amazon Over Supplements Containing Erectile Dysfunction Drugs.



The FDA hit Amazon with a warning letter on December 20 for distributing energy supplements for men that contain potentially harmful pharmaceutical ingredients. These products, according to the .

## **SARMs Fitness Supplements Debate - Healthline**



As introduced earlier in the last paragraph of the Introduction section, this is a direct retrospective study designed to review 25 patients (married men of different ages) who presented with sudden new onset of any form or mixture of forms of sexual dysfunction and impotence (erectile dysfunction, severe premature ejaculation, permanent.

### Is There Room for SERMs or SARMs as Alternative Therapies for Adult.

Hindaws International Journal of Endocrinology Volume 2020, Article ID 9649838, 9 pages https://doi.org/10.1155/2020/9649838



### Review Article

### Is There Room for SERMs or SARMs as Alternative Therapies for Adult Male Hypogonadism?

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Hypogonadotropic hypogonadism (HH) can be sustained by organic or functional alterations of the hypothalamic-pituitary Hypogonadetropic hypogonadium (HHI) can be sustained by organic or functional alterations of the hypothalamic-pituitary-esticular axis. Functional HHI is related to systemic alterations, such as obesity or chronic inflammatory diseases, but could contribute to a negative course of the illness. For such situation, according to results obtained in infertile women, the administration of selective estrogen receptor modulators (SERMs) has been proposed in males too, with positive results on both metabolic and sexual function. This class of medications increases gonadotropin levels via antagenism to the estregenic receptor; similar biological effects are also exerted by aeomatase inhibitors (AIs), despite different mechanism of action. After a brief review of trials regarding SERMs and AIs use in male HHI, we describe the structure and function of the androgen receptor (AR) as a basis for clinical research about compounds able to bind to AR, in order to obtain specific effects (SARMs). The tissue selectivity and different metabolic fate in comparison to testosterone can potentiate anabolic versus androgenic effects; they might be a valid alternative to testosterone replacement therapy avoiding the negative effects of the estosterone (i.e., on prostate, liver, and hematopojesis). Trials are still at an early phase of investigation and, at the moment, the application seems to be more useful for chronic disease with catabolic status while the validation as replacement for hypogonadism requires further studies.

#### 1. Introduction

Hypogonadotropic hypogonadism, also known as secondary hypogonadism, is the most common form of hypogonadism in adult and elderly man [1], related to an absolute or relative defective secretion of gonadotropin-releasing hormone (GnRH) by the hypothalamus and/or gonadotropin secretion by the pituitary gland. It recognizes two main etiologies: the organic and the functional one. The organic form is characterized by a strong genetic stigma; expansive lesions of the hypothalamic-pituitary region, traumatic events, or, more commonly, infectious or infiltrative diseases can cause it. On the contrary, the functional form appears to be acquired and underpinned by multiple metabolic and inflammatory mechanisms [2]. Based on that evidence, most of the International Societies in the field stated that Testosterone replacement therapy (TRT) should be considered only for the organic forms, independently of the patients' age at the time of onset.

As functional hypogonadism is concerned, specific treatments for the underlying conditions inducing the T decrease (i.e., obesity, metabolic syndrome, diabetes mellitus, and so on) have been suggested [3, 4]. In these conditions, hypogonadism is related to a progressive worsening of the disease, despite an adequate therapy (for instance, the failure of diet in obese men) [5], contributing to the evo-lution by an unfavourable vicious circle. In addition, given the concerns about the benefit of TRT (for instance, in

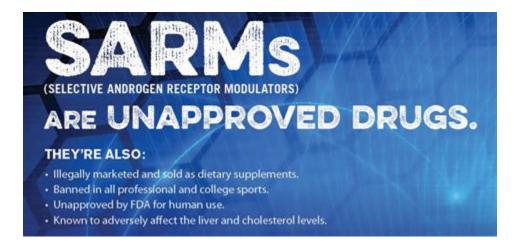
Experts are still learning about potential SARM side effects. The FDA encourages people to report any side effects they have experienced after taking SARM-containing products. You can let the FDA know about an issue by using their online reporting form or calling 1-888-463-6332. Are any bodybuilding supplements better or safer than SARMs?

### SARMs and erectile dysfunction: r/PEDs - Reddit

MONE STUDIES			
ollicle Stimulating Hormone	2	IU/L	(1 - 8)
uteinizing Hormone	4	IU/L	(2 - 8)
Destradiol	170	pmol/L	(< 150)
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octin test is performed usin	g Abbott /	Architect	system.
	Follicle Stimulating Hormone Luteinizing Hormone Destradiol Prolactin (mIU/L)	Follicle Stimulating Hormone 2 Outeinizing Hormone 4 Destradiol 170 Prolactin (mIU/L) 450	Follicle Stimulating Hormone 2 IU/L suteinizing Hormone 4 IU/L destradiol 170 pmol/L

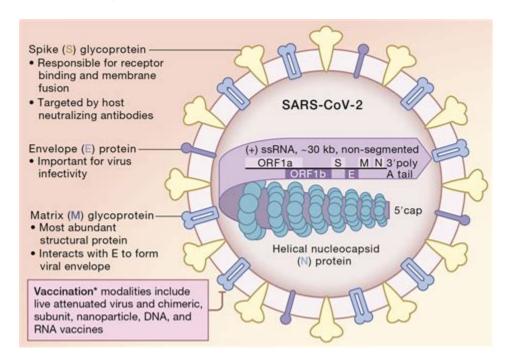
Introduction. The COVID-19 infection has been associated with several long-term abnormalities and an increased vulnerability to cardiovascular conditions, such as myocardial infarction. Nevertheless, a specific medical condition that has only impacted male individuals is erectile dysfunction. The male patients affected by the coronavirus infection have experienced a variety of sexual issues.

## FDA Warns of Use of Selective Androgen Receptor Modulators (SARMs.



Health News Debate Heats Up Over SARMs Fitness Supplements An FDA warning letter and a raid of a California company's offices highlight issues concerning the supplements some feel are a healthy.

### COVID-19 and sexual dysfunction in men: SARS-CoV-2 in the testes



Lower mean IIEF scores were associated with current and pre-AAS low T symptoms, self-reported angry or violent tendencies, self-reported erectile dysfunction (ED), decreased libido, decreased energy, and depression. After controlling for age, low T symptoms and decreased energy remained significantly associated with lower IIEF scores.

## SARMs: Everything You Need to Know - Men's Health



Viagra is a medication usually prescribed to treat erectile dysfunction (ED). It works by opening up the arteries for greater blood flow. Some people use Viagra to help move anabolic steroids.

### Systematic Review of Safety of Selective Androgen Receptor Modulators.



Citation: Vignoli, LD., Pak, K.C., Beverley, H.R.; DeLuca, J.P.; Downs, J.W.; Kress, A.T.; Sadowski, B.W.; Selig, D.J. Systematic Review of Safety of Selective Androgen Receptor Modulators in Healthy Adulto: Implications for Recreation Users. J. Xosobiot. 2023, 13, 218-236. https://doi.org/10.3390/jox13020017

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1. Introduction

improve early detection and prevention of DILI.

Selective Androgen Receptor Modulators (SARMs) are non-steroidal compounds with favorable oral bioavailability that were developed in the early 2000s in an attempt to overcome the pharmacologic and pharmacokinetic limitations of steroidal androgen receptor agonists (i.e., testosterone and DHT), which have known associations with liver and heart disease [1]. SARMs have been trialed as a pharmacologic intervention to improve a wide variety of conditions such as cancer-associated morbidity, deconditioning after hip fracture, stress incontinence, and benign prostatic hyperplasia [2]. Solomon et al. provided a comprehensive review of current clinical applications [3]. Despite a strong warning from the Food and Drug Administration (FDA) [4], SARM abuse is increasingly popular amongst recreational and professional athletes as a perceived means to improve performance [5]. The prevalence of SARM abuse is uncertain; however, estimates of the global lifetime prevalence rate for use of anabolic-androgenic steroids are 3.3%, with a prevalence rate of 6.4% in males and 1.6% in females [6]. According to a British Army survey of 3168 soldiers

reported to have rhabdomyolysis. Recreational SARM use should be strongly discouraged, and

the risks of DILI, rhabdomyolysis, and tendon rupture should be emphasized. However, despite

warnings, if a patient refuses to discontinue SARM use, ALT monitoring or dose reduction may

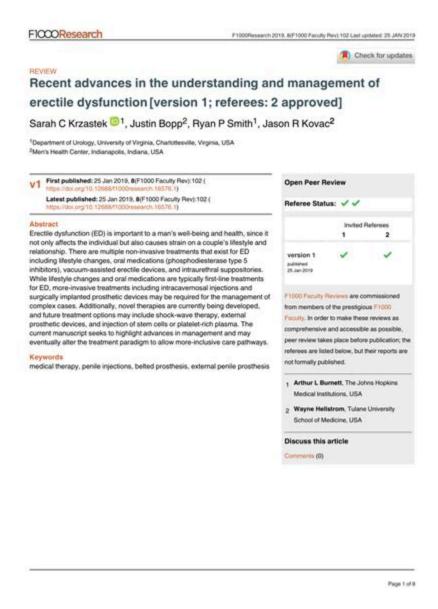
Keywords: athlete; drug-induced liver injury; drug safety; recreation; selective androgen receptor

J. Xenobiot. 2023, 13, 218-236. https://doi.org/10.3390/jox13020017

https://www.mdpi.com/journal/jox

BBC News "Dangerous" muscle-building drugs are being sold illegally in shops around the UK, a BBC investigation has found. The substances, known as Sarms, can cause erectile dysfunction, mood.

### Recent advances in the understanding and management of erectile dysfunction



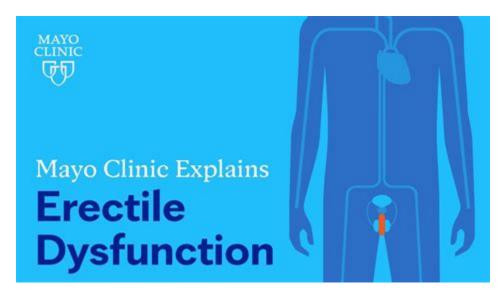
Increased risk of heart attack or stroke. Psychosis/hallucinations. Sleep disturbances. Sexual dysfunction. Liver injury and acute liver failure. Infertility. Pregnancy miscarriage. Testicular.

# Ostarine (MK-2866): Results After 8 Weeks - Men's Journal



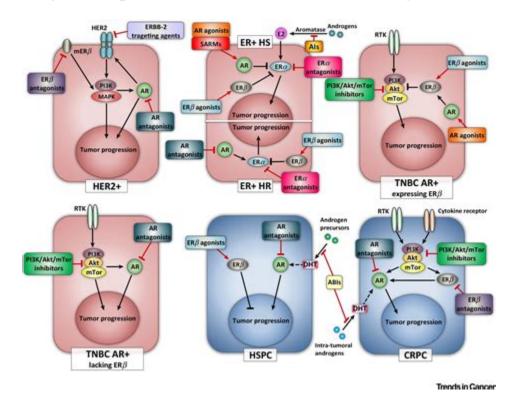
Men's Health SQUAD //Big Reads// SARMs Are the Biggest New Muscle Drug - These Are the Facts Though sold as a cutting-edge performance-enhancer, these pills are unregulated. Here's everything you.

# **Erectile dysfunction - Diagnosis and treatment - Mayo Clinic**



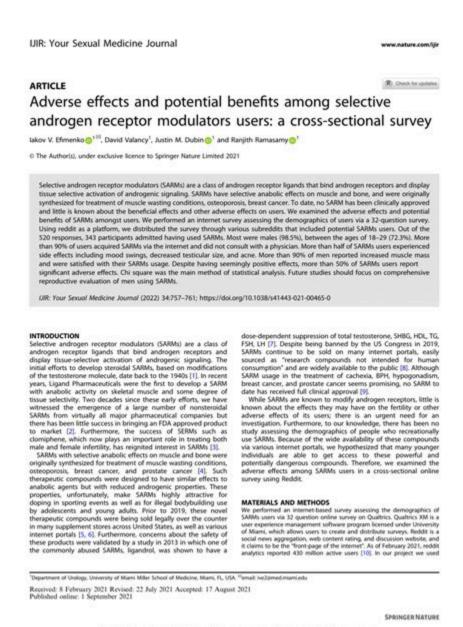
Discover the potential side effects of SARMs. Can SARMs cause erectile dysfunction? Get the facts and insights on how SARMs impact manhood.

# Selective Androgen Receptor Modulators: Current Knowledge and . - PubMed



PMCID: PMC6326857 DOI: 10. 1016/j. sxmr. 2018. 09. 006 Abstract Introduction: Selective androgen receptor modulators (SARMs) differentially bind to androgen receptors depending on each SARM's chemical structure. As a result, SARMs result in anabolic cellular activity while avoiding many of the side effects of currently available anabolic steroids.

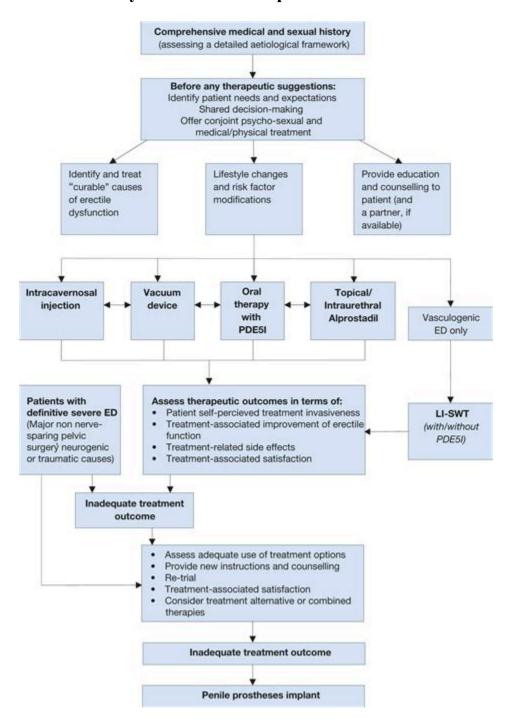
### Adverse effects and potential benefits among selective . - PubMed



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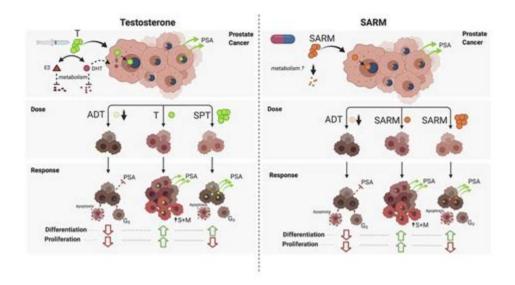
Erectile dysfunction can affect about half of men over 40, according to the NHS. But men are warned the condition might be a sign of more deep-rooted health problems so should "use their penis as .

### Management of Erectile Dysfunction - Therapeutics Letter - NCBI Bookshelf



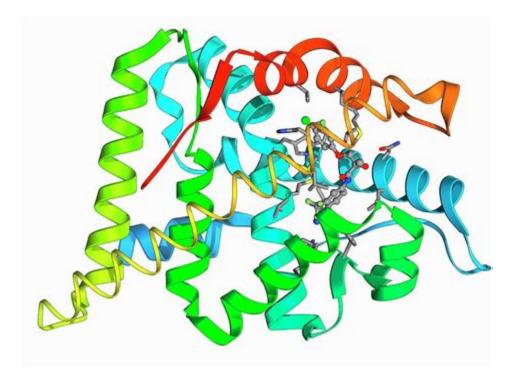
Erectile dysfunction (ED), one of the most frequently reported medical conditions in men, is defined as the chronic inability to achieve or sustain a penile erection. Indeed, regular and chronic ED increases with age from  $\sim\!35\%$  of men aged 60 to  $\sim\!50\%$  of men older than 70 being affected 1. Primary care physicians identify and diagnose the .

## Selective androgen receptor modulators activate the canonical prostate.



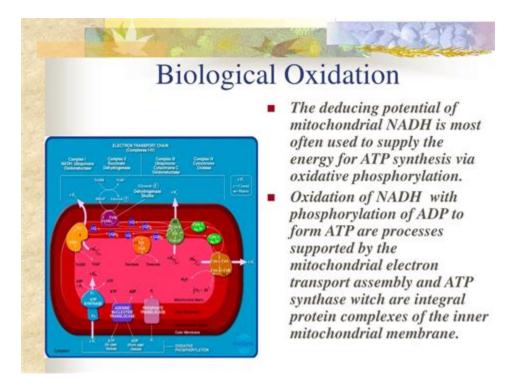
It depends on supressed you'll be, and that varies from person to person. Just use cialis why bother. tuxmicc. • 3 yr. ago. Use 50/100mg DHEA to avoid estro crush and your dick will be ok. WeenerMcdoogle. • 3 yr. ago. use test and get twice as many gains and a libido to match hers lol. r/PEDs.

# **Recreational Use of Selective Androgen Receptor Modulators**



Nov 30, 2022 9:30 AM EST What Are SARMs? Selective androgen receptor modulators (SARMs) are a group of investigational androgen receptor ligands with anabolic properties. SARMs have gained a.

### Comprehensive analysis of biological landscape of oxidative . - Nature



Metrics Abstract Selective androgen receptor modulators (SARMs) are a class of androgen receptor ligands that bind androgen receptors and display tissue selective activation of androgenic.

# Selective Androgen Receptor Modulators (SARMs) - Current Knowledge and .

Oral erectile dysfunction medications are not aphrodisiacs, will not cause excitement and are not needed in people who get normal erections. The medications vary in dosage, how long they work and side effects. Possible side effects include flushing, nasal congestion, headache, visual changes, backache and stomach upset.

# How Does COVID-19 Affect Erectile Dysfunction? - iCliniq



Biloxi, Mississippi US Pharm ;2020;45 (60):15-18. ABSTRACT: Selective androgen receptor modulators (SARMs) are anabolic compounds that bind to androgen receptors. They have been studied as potential treatments for cancer, osteoporosis, sexual dysfunction, multiple sclerosis, Alzheimer's disease, and muscle wasting.

### A Guide to SARMs: Definition, Side Effects and Dangers - GoodRx



In many cases, erectile dysfunction is caused by something physical. Common causes include: Heart disease. Clogged blood vessels (atherosclerosis) High cholesterol. High blood pressure. Diabetes. Obesity. Metabolic syndrome — a condition involving increased blood pressure, high insulin levels, body fat around the waist and high cholesterol.

# Can SARMs Cause Erectile Dysfunction? Unraveling the Truth



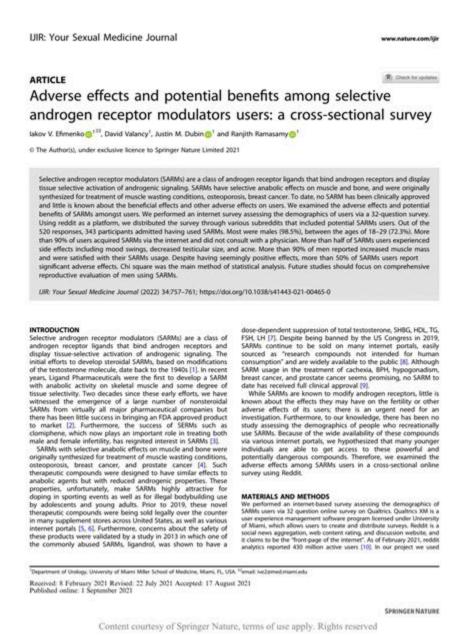
After a brief review of trials regarding SERMs and AIs use in male HH, we describe the structure and function of the androgen receptor (AR) as a basis for clinical research about compounds able to bind to AR, in order to obtain specific effects (SARMs).

# Steroids and Viagra: Safety Concerns - Healthline



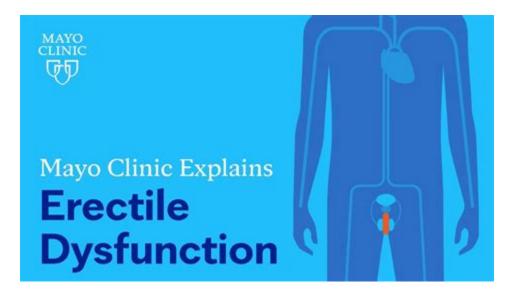
Jan 19, 2023 9:40 PM EST Article presented by Brandingbyexperts, Men's Journal is not endorsing the products mentioned below. Last year I used a SARM called MK-2866 (Ostarine) for 8 weeks.

### Adverse effects and potential benefits among selective . - Nature



Here, we investigated the antitumor effects of selective AR modulators (SARMs), which are small-molecule nonsteroidal AR agonists developed to treat muscle wasting and cachexia. Several orally administered SARMs activated the AR program in PC models. . erectile dysfunction, anemia, increased body fat, cardiovascular events, and hot flashes (8 .

# Erectile dysfunction - Symptoms and causes - Mayo Clinic



Therapeutics Letter 32 reviews the management of erectile dysfunction. Conclusions: Inquire about erectile dysfunction in all adult males as a potential early indicator of modifiable factors. The presence of erectile dysfunction is a unique opportunity to motivate a patient to decrease risk factors. Partner involvement with the patient and physician facilitates the diagnosis and enhances the .

- https://colab.research.google.com/drive/1BzI1fGgzkjkw-bOX-tFTwL4OlKLoUgGn
- <a href="https://groups.google.com/g/97pumpingiron36/c/hshwGhAjyBo">https://groups.google.com/g/97pumpingiron36/c/hshwGhAjyBo</a>
- <a href="https://groups.google.com/g/escopiroli/c/jXzx-C\_cy74">https://groups.google.com/g/escopiroli/c/jXzx-C\_cy74</a>