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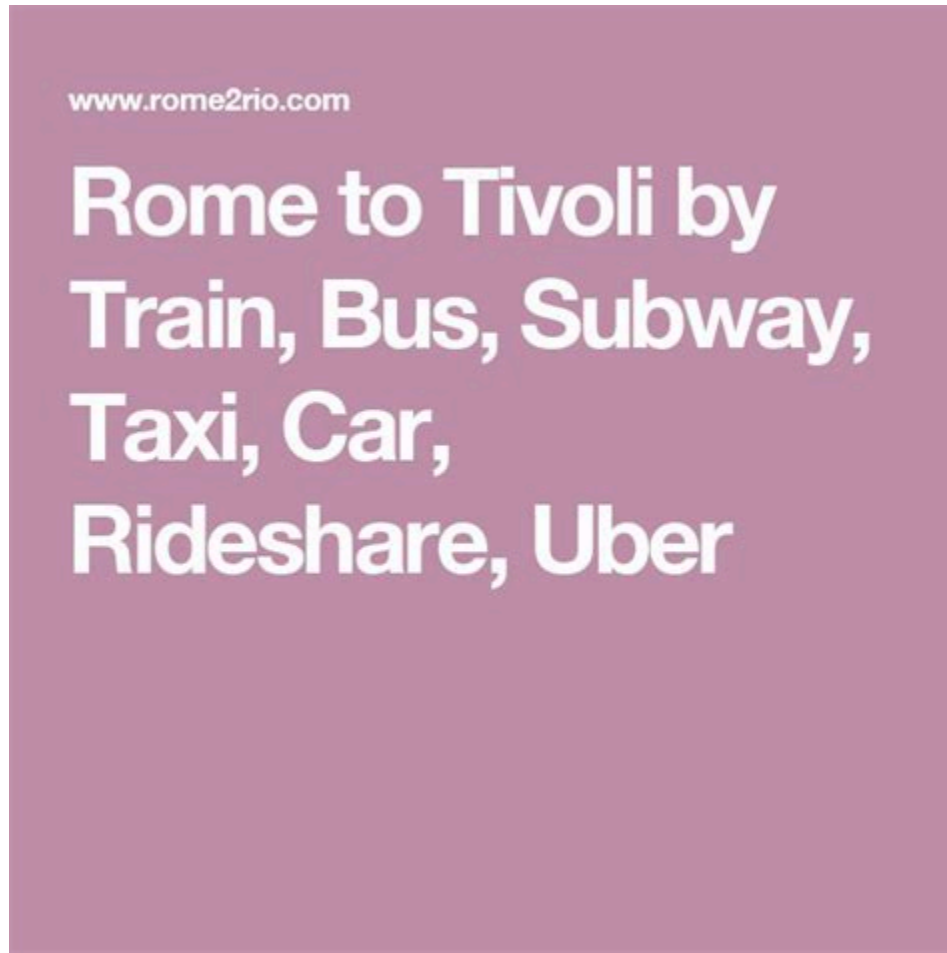
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Pregnyl: Package Insert - Drugs



The first recognition of hCG as a gonadotropin was observed when human placental tissue was transplanted in rabbits and induced ovulation (7-9). hCG is a hormone comprising of an α and a β -subunit. hCG and LH share an identical α -subunit. hCG differs from LH in that its β -subunit has a highly glycosylated 24 amino acid tail.

DailyMed - PREGNYL- choriogonadotropin alfa kit



HCG's ability to preserve spermatogenesis, and even improve semen parameters in patients who had been using exogenous testosterone, have been established (10-13). Vicari et al. looked at long term hCG treatment in 17 men with isolated hypogonadotropic hypogonadism, observing a significant increase in testicular volume, in a time-dependent .

Chorionic Gonadotropin (Human) - DrugBank Online

The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Chorionic Gonadotropin (Human) is a naturally-occurring hormone produced during human placenta used for the treatment of prepubertal cryptorchidism and hypogonadotropic hypogonadism in selected males, and induction of pregnancy in selected infertile women.

Indications for the use of human chorionic gonadotropic hormone for the .

Review Article

Indications for the use of human chorionic gonadotropic hormone for the management of infertility in hypogonadal men

John Alden Lee, Ranjith Ramasamy

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Contributions: (I) Conception and design: All authors; (II) Administrative support: All authors; (III) Provision of study materials or patients: All authors; (IV) Collection and assembly of data: All authors; (V) Data analysis and interpretation: All authors; (VI) Manuscript writing: All authors; (VII) Final approval of manuscript: All authors.

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Abstract: Hypogonadism among men desiring fertility preservation presents a unique challenge to physicians. Over the past decade the number of younger men with hypogonadism has increased dramatically. These men are often treated with testosterone replacement therapy (TRT) which can result in azoospermia and potentially infertility. Human chorionic gonadotropin (hCG) therapy can help re-establish or maintain spermatogenesis in hypogonadal men. We review the indications, and discuss the current evidence for the role of hCG in men with hypogonadism.

Keywords: Human chorionic gonadotropin (hCG); hypogonadism; testosterone replacement therapy (TRT); hypogonadal hypogonadism; anabolic androgenic steroids (AAS); infertility

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Introduction

The importance of the therapeutic human chorionic gonadotropin (hCG) treatment has grown tremendously over the last couple decades due to an exponential increase in the prevalence of hypogonadism in younger men and the use of anabolic androgenic steroids (AAS). From 2001 to 2011 men on testosterone replacement therapy (TRT) increased three fold overall and 4 times more among men aged 40–49 (1). The overall prevalence of hypogonadism in American men is 7% in men younger than 40 years and 38% in men over the age of 45 (2,3). The use of AAS has been found to be as high as 3 million amongst American men (3) and have a life time of prevalence use of 3.0% to 4.2% (4). This increase has occurred along with steady increase in age of paternity (5) creating an evolving challenge of treating hypogonadism and preserving fertility.

Luteinizing hormone (LH) in the male is produced by the anterior pituitary in response to pulsatile secretion of gonadotropin releasing hormone (GnRH) from the

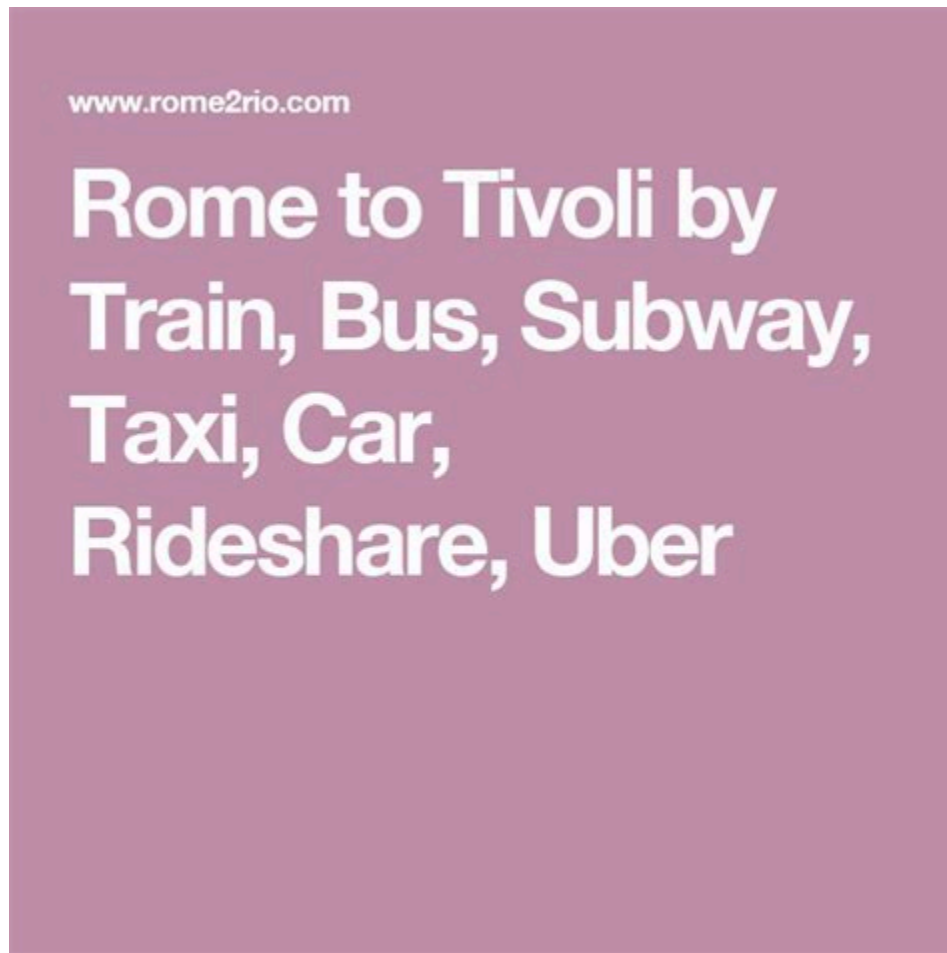
hypothalamus. It acts on Leydig cells in the testicles promoting the production of testosterone. In men with hypogonadotropic hypogonadism (HH), or men with decreased LH secondary to exogenous testosterone use, the lack of LH results in severely decreased intratesticular testosterone levels. Without intratesticular testosterone spermatogenesis is impaired, and by replacing lost LH production with hCG, spermatogenesis can be restored by restoring adequate levels of intratesticular testosterone.

hCG has also found a prominent role in treating endocrine failure of the testicle in men with anabolic steroid induced hypogonadism. These men have lost the ability to produce their own testosterone and hCG has been indicated as a part of an algorithm to help recover endogenous testosterone production (6).

Finally, hCG has also been used to reduce some of the side effects of TRT, mainly preventing testicular atrophy and helping maintain response to TRT by "cycling off" TRT with a periodic replacement of therapy with hCG.

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PREGNYL® (chorionic gonadotropin for injection, USP) is a highly purified pyrogen-free preparation obtained from the urine of pregnant females. It is standardized by a biological assay procedure.

HCG (Human chorionic gonadotropin): Uses, FAQs, Warnings & More - GoodRx



Chorionic gonadotropin is a purified preparation . CLINICAL PHARMACOLOGY The action of human chorionic gonadotropin (hCG) is virtually identical to that of pituitary LH, although hCG appears to have a small degree of FSH activity as well. It stimulates production of . INDICATIONS AND USAGE

Pregnyl injectable Uses, Side Effects & Warnings - Drugs



Drug Facts Common Brands Pregnyl, Novarel, HCG Drug Class Gonadotropin Controlled Substance Classification Not a controlled medication Generic Status Lower-cost generic available Availability Prescription only Get your GoodRx coupon local_offer_outlined Avg retail price \$374.39 savings_outlined GoodRx lowest price

PDF Pregnyl (chorionic gonadotropin) for injection - Organon



Interactions What is HCG? Pregnyl is a hormone that is used to cause ovulation and to treat infertility in women. Pregnyl is not effective in women with primary ovarian failure. HCG is used in men to treat hypogonadism, a condition in which the body doesn't produce enough testosterone.

Human Chorionic Gonadotropin, HCG injection - Cleveland Clinic



Überprüfung der Funktionsfähigkeit der Hoden bei Unterfunktion der Geschlechtsorgane infolge eines Mangels an gonadotropen Hormonen: Einmalig 5. 000 I. E. hCG (entsprechend 1 Ampulle). Wenn Sie eine größere Menge angewendet haben, als Sie sollten. Es wurden keine Fälle von akuter Überdosierung berichtet.

PREGNYL 5. 000 I. E. 3x1+1 Plv. u. LM z. H. e. Inj. -L. - SHOP APOTHEKE



HCG injections (human chorionic gonadotropin) are a hormone that can increase a person's chances of pregnancy, helps produce testosterone and sperm, and treats a condition that affects the testes called cryptorchidism. The brand of HCG varies based on your anatomy. What is this medication?

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HCG (Injection) Uses, Dosage, Side Effects - Drugs



Pregnyl is human chorionic gonadotropin (HCG), a hormone that supports the normal development of an egg in a woman's ovary, and stimulates the release of the egg during ovulation. 773-549-0634. . HCG is used to cause ovulation and to treat infertility in women, and to increase sperm count in men. How It Works.

Human Chorionic Gonadotropin monotherapy for the treatment of .



ORIGINAL ARTICLE

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Human Chorionic Gonadotropin monotherapy for the treatment of hypogonadal symptoms in men with total testosterone > 300 ng/dL

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ABSTRACT

Purpose: The 2010 American Urological Association guidelines on the Evaluation and Management of Testosterone Deficiency recommended that 300 ng/dL be used as the threshold for prescribing testosterone replacement therapy (TRT). However, it is not uncommon for men to present with signs and symptoms of testosterone deficiency, despite having testosterone levels greater than 300 ng/dL. There exists scant literature regarding the use of hCG monotherapy for the treatment of hypogonadism in men not interested in fertility. We sought to evaluate serum testosterone response and duration of therapy of hCG monotherapy for men with symptoms of hypogonadism, but total testosterone levels > 300 ng/dL.

Materials and Methods: We performed a multi-institutional retrospective case series of men receiving hCG monotherapy for symptomatic hypogonadism. We evaluated patient age, treatment indication, hCG dosage, past medical history, physical exam findings and serum testosterone and gonadotropins before and after therapy. Descriptive analysis was performed and Mann Whitney U Test was utilized for statistical analysis.

Results: Of the 20 men included in the study, treatment indications included low libido (45%), lack of energy (50%), and erectile dysfunction (45%). Mean testosterone improved by 49.9% from a baseline of 362 ng/dL (SD 158) to 519.8 ng/dL (SD 265.6), ($p=0.006$). Median duration of therapy was 8 months (SD 5 months). Fifty percent of patients reported symptom improvement.

Conclusions: Treatment of hypogonadal symptoms with hCG for men who have a baseline testosterone level > 300 ng/dL appears to be safe and efficacious with no adverse events.

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INTRODUCTION

Hypogonadism is prevalent, currently affecting 38% of men over the age of 45, and 7% of men under the age of 40 (1, 2). Adult-Onset Hypogonadism is defined as having low testosterone

in conjunction with clinical signs or symptoms such as low energy, low libido, decreased lean body mass, erectile dysfunction, fatigue, depression, anemia and infertility (3-6). Although it is primarily a clinical syndrome of the aging male (3), prevalence in younger generations has incre-

HCG vs Pregnyl Comparison - Drugs



Alium. Brand. Alium. Alium is the United Pharmaceutical Company was created on the basis of Obolenskoye Pharm and JSC Binnopharm, one of the top 10 Russian pharmaceutical companies. Site: en.binnopharmgroup/.

Alium - Russian Meds



Home Compare Drugs Print Comparing HCG vs Pregnyl HCG (chorionic gonadotropin (hcg)) Pregnyl (chorionic gonadotropin (hcg)) Prescription only Prescribed for Hypogonadism - Male, Weight Loss

(Obesity/Overweight), Ovulation Induction, Female Infertility, Prepubertal Cryptorchidism.

Russia - ntmdt-si



Human Gonadotropin ® N. V. Organon. Used under license. Date of Initial Approval: October 13, 2010
Date of Revision: March 30, 2021 PACKAGE INSERT PREGNYL® (chorionic gonadotropin for injection, USP) 10,000 units/vial THERAPEUTIC CLASSIFICATION Human Gonadotropin ACTION

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Human chorionic gonadotropin (HCG) is a hormone that supports the normal development of an egg in a woman's ovary, and stimulates the release of the egg during ovulation. HCG is used to cause ovulation and to treat infertility in women, and to increase sperm count in men.

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