

Does Estrogen Replacement Cause Weight Gain

Masculinizing hormone therapy involves taking testosterone, the primary male sex hormone. This causes many of the same bodily changes seen in male puberty, including deeper vocal pitch, greater facial and body hair, heightened sex drive, muscle growth, fat redistribution, and enhanced size and sensitivity of the clitoris ("bottom growth"). It stops menstruation, and reduces production of estrogen, the primary female sex hormone. It cannot reverse breast development, which may necessitate chest reconstruction ("top surgery"). 1a7743a9f3 It was previously known as "juvenile hypohaladomosis syndrome," prior to the discovery that sexually mature females are equally affected. FHA has multiple risk factors, including stress-related, weight-related, and exercise-related factors. FHA is caused by stress-induced suppression of the hypothalamic-pituitary-ovarian (HPO) axis, which results in inhibition of gonadotropin-releasing hormone (GnRH) secretion, and gonadotropins, follicle-stimulating hormone (FSH), and luteinizing hormone (LH). 1a7743a9f3 == Biological activity == 1a7743a9f3 In its entirety, the WHI enrolled more than 160,000 postmenopausal women aged 50–79 years (at time of study enrollment) over 15 years, making it one of the largest U.S. prevention studies of its kind, with a budget of \$625 million. A 2014 analysis calculated a net economic return on investment of \$37.1 billion for the estrogen-plus-progestin arm of the study's hormone trial alone, providing a strong case for the continued use of this variety of large, publicly funded population study. In the years following the WHI, studies have shown a decrease in breast cancer rates in postmenopausal women, attributed to the decline in use of hormone replacement therapy. 1a7743a9f3

Feminizing hormone therapy It is a common type of transgender hormone therapy (another being masculinizing hormone therapy) and is used to treat transgender women and non-binary transfeminine individuals. Some, in particular intersex people, but also some non-transgender people, take this form of therapy according to their personal needs and preferences. weight gain in the early phases of hormone therapy may be beneficial not only for fat distribution, but for breast development. Different estrogens, Feminizing hormone therapy, also known as transfeminine hormone therapy, is a form of gender-affirming care and a gender-affirming hormone therapy to change the primary and secondary sex characteristics of transgender people from masculine to feminine 1a7743a9f3

In addition to its role as a natural hormone, estrone has been used as a medication, for instance in menopausal hormone therapy; for information on estrone as a medication, see the estrone (medication) article. 1a7743a9f3

Masculinizing hormone therapy rather than fat carried on the buttocks and hips. Androgen therapy can cause weight gain and decreased insulin sensitivity (perhaps worsening a predisposition Masculinizing hormone therapy is a form of transgender hormone therapy which develops male secondary sex characteristics and suppresses or minimizes female ones. It is used by trans men and transmasculine individuals as part of gender transition, to align their body with their gender identity. This can alleviate gender dysphoria, and help individuals be correctly perceived as their respective gender ("passing") 1a7743a9f3

Eligibility for GAHT may require an assessment for gender dysphoria or persistent gender incongruence; many medical institutions now use an informed consent model, which ensures patients are informed of the procedure process, including possible benefits and risks, while removing many of the historical barriers needed to start hormone therapy. Treatment guidelines for therapy have been developed by several medical associations... 1a7743a9f3 Other medications used include GnRH agonists and antagonists to completely suppress estrogen and progesterone; progestins like medroxyprogesterone acetate to suppress menstruation; and 5α-reductase inhibitors to prevent pattern hair loss. Sometimes another... 1a7743a9f3 Estrone is an estrogen, specifically an agonist of the estrogen receptors ERα and ERβ. It is a far less potent estrogen than is estradiol, and as such, is a relatively weak estrogen. Given by subcutaneous injection in mice, estradiol is about 10-fold more potent than estrone and about 100-fold more potent than estriol. According to one study... 1a7743a9f3 Feminizing hormone therapy has been empirically shown to reduce the distress and discomfort associated with gender... 1a7743a9f3

Polyestradiol phosphate It is also used in women to treat breast cancer, as a component of hormone therapy to treat low estrogen levels and menopausal symptoms, and as a component of feminizing hormone therapy for transgender women. It is given by injection into muscle once every four weeks. Polyestradiol phosphate (PEP), sold under the brand name Estradurin, is an estrogen medication which is used primarily in the treatment of prostate cancer Polyestradiol phosphate (PEP), sold under the brand name Estradurin, is an estrogen medication which is used primarily in the treatment of prostate cancer in men 1a7743a9f3

PEP was discovered around 1953 and was introduced... 1a7743a9f3

Bioidentical hormone replacement therapy bioidentical hormone replacement therapy; it is generally used to refer to 17β-estradiol, but other uses include plant-based or compounded estrogen products that Bioidentical hormone replacement therapy (BHRT), also known as bioidentical hormone therapy (BHT) or natural hormone therapy, is the use of hormones that are identical on a molecular level with endogenous hormones in hormone replacement therapy. Specific hormones used in BHT include estrone, estradiol, progesterone, testosterone, dehydroepiandrosterone (DHEA), and estriol. It may also be combined with blood and saliva testing of hormone levels, and the use of pharmacy compounding to obtain hormones in an effort to reach a targeted

level of hormones in the body. A number of claims by some proponents of BHT have not been confirmed through scientific testing 1a7743a9f3

Common side effects of PEP include headache, breast tenderness, breast development, feminization, sexual dysfunction, infertility, and vaginal bleeding. PEP is an estrogen and hence is an agonist of the estrogen receptor, the biological target of estrogens like estradiol. It is an estrogen ester in the form of a polymer and is an extremely long-lasting prodrug of estradiol in the body. The biological half-life of PEP is more than two months. Because PEP works by being converted into estradiol, it is considered to be a natural and bioidentical form of estrogen. The safety profile of parenteral estradiol esters like PEP is greatly improved relative to synthetic oral estrogens like ethinylestradiol and diethylstilbestrol. 1a7743a9f3

Menopause At the physiological level, menopause happens because of a decrease in the ovaries' production of the hormones estrogen and progesterone. Menopause is a natural part of aging, it can also be a result of surgery, or have another medical or non-medical source. Natural menopause is the result of a decrease in the production of the hormones estrogen and progesterone. skin, tingling skin, rosacea, weight gain. Menopause before the age of 45 years is considered to be "early menopause", and ovarian failure or surgical removal of the ovaries before the age of 40 years is termed "premature ovarian insufficiency". Additionally a decrease in hormone levels can have other sources, including some types of chemotherapy. Natural menopause typically occurs between the ages of 45 and 55, although the exact timing can vary, occurring earlier or later for a variety of reasons. Surgical menopause occurs as the result of a surgery that removes both ovaries. Psychological Menopause is the time when menstrual periods permanently stop, marking the end of the reproductive stage for the female human. Hair loss and brittle nails may also occur as a result of lowering estrogen and progesterone levels. Smoking cigarettes may result in an earlier menopause while having been pregnant may result in a later menopause. Women often notice symptoms of hormonal changes prior 1a7743a9f3

Masculinizing hormone therapy – for transgender men or transmasculine people; consists of androgens and occasionally antiestrogens. 1a7743a9f3 For breast cancer, the list of environmental risk factors includes the individual person's development, exposure to microbes, "medical interventions, dietary exposures to nutrients, energy and toxicants, ionizing radiation, and chemicals from industrial and agricultural processes and from consumer products...reproductive choices, energy balance, adult weight gain, body fatness, voluntary and involuntary physical activity, medical care, exposure to tobacco smoke and alcohol, and occupational exposures, including shift work" as well as "metabolic and physiologic processes that modify the body's internal environment." Some of these environmental factors are part of the physical environment, while others (such as diet and number of pregnancies) are primarily part of the social, cultural, or economic environment. 1a7743a9f3

Gender-affirming hormone therapy This form of hormone therapy is given as one of two types, based on whether the goal of treatment is masculinization or feminization:. Axis, which is responsible for the production of hormones (estrogen, testosterone) that cause the development of secondary sexual characteristics in puberty Gender-affirming hormone therapy (GAHT), also known as hormone replacement therapy (HRT) or transgender hormone therapy, is a form of hormone therapy in which sex hormones and other hormonal medications are administered to transgender or gender nonconforming individuals for the purpose of more closely aligning their secondary sexual characteristics with their gender identity 1a7743a9f3

Custom-compounded BHT is a practice almost wholly restricted to the United States and is a form of alternative medicine. It has been promoted as a panacea for many diseases and for relieving the symptoms of menopause beyond the medical objective of reducing the risk of osteoporosis. There is little evidence to support these incremental claims; the hormones are expected to have the same risks and benefits as comparable approved drugs for which there is evidence based on extensive research and regulation, except for progesterone, which... 1a7743a9f3

Women's Health Initiative In particular, randomized controlled trials were designed and funded that addressed cardiovascular disease, cancer, and osteoporosis. National Institutes of Health (NIH) in 1991, to address major health issues causing morbidity and mortality in postmenopausal women. It consisted of three clinical trials (CT) and an observational study (OS). Heart and Estrogen/progestin Replacement Study The Women's Health Initiative (WHI) was a series of clinical studies initiated by the U. S. trial of estrogen plus progestin for secondary prevention of coronary heart disease in postmenopausal women 1a7743a9f3

Feminizing hormone therapy – for transgender women or transfeminine people; consists of estrogens with or without antiandrogens. 1a7743a9f3 Severe and potentially prolonged hypoestrogenism is perhaps the most dangerous hormonal pathology associated with the disease, because consequences of this disturbance can influence bone health, cardiovascular health, mental health, and metabolic functioning in both the short and long-term. Because many of the symptoms overlap with those of organic hypothalamic, pituitary, or gonadal disease and therefore must be ruled out, FHA is a diagnosis of exclusion. 1a7743a9f3 The purpose of the therapy is to cause the development of the secondary sex characteristics of the desired sex, such as breasts and a feminine pattern of hair, fat, and muscle distribution. It cannot undo many of the changes produced by naturally occurring puberty, which may necessitate surgery and other treatments to reverse (see below). The medications used for feminizing hormone therapy include estrogens, antiandrogens, progestogens, and gonadotropin-releasing hormone modulators (GnRH modulators). 1a7743a9f3 Although many epidemiological... 1a7743a9f3

Functional hypothalamic amenorrhea It is classified as hypogonadotropic hypogonadism. While hormonal-based therapies can potentially restore menses, weight gain and behavioral Functional hypothalamic amenorrhea (FHA) is a form of amenorrhea and chronic anovulation and is one of the most common types of secondary amenorrhea. managing the primary cause of the FHA with behavioral modifications 1a7743a9f3

However, initial interpretation and communication about the studies' findings have been criticized for... 1a7743a9f3 "Functional" is used to indicate a behavioral... 1a7743a9f3

Estrone Some common side effects seen with the usage of estrogens include: Estrone (E1), also spelled oestrone, is a steroid, a weak estrogen, and a minor female sex hormone. Estrone, as well as the other estrogens, are synthesized from cholesterol and secreted mainly from the gonads, though they can also be formed from adrenal androgens in adipose tissue. It is one of three major endogenous estrogens, the others being estradiol and estriol. were taking estrogens while breastfeeding were seen to experience slower weight gain. Relative to estradiol, both estrone and estriol have far weaker activity as estrogens. It is both a precursor and metabolite of estradiol. Estrone can be converted into estradiol, and serves mainly as a precursor or metabolic intermediate of estradiol 1a7743a9f3

Risk factors for breast cancer Their study belongs in the field of epidemiology. The National Breast Cancer Foundation have stated that "eating too much of any food can contribute to weight gain, obesity Risk factors for breast cancer may be divided into preventable and non-preventable. consumption does not cause cancer. The term environmental, as used by cancer researchers, means any risk factor that is not genetically inherited. Breast cancer, like other forms of cancer, can result from multiple environmental and hereditary risk factors 1a7743a9f3

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