

Endocrine Study Guide Answers

Androgen replacement therapy 09. 1016/j. PMID 37797887 Androgen replacement therapy (ART), often referred to as testosterone replacement therapy (TRT), is a form of hormone therapy in which androgens, often testosterone, are supplemented or replaced. Endocrine Practice. ART is often prescribed to counter the effects of male hypogonadism. Replacement Therapy: A Meta-analysis of Randomized Controlled Trials". eprac. 30 (1): 2-10. 012. doi:10. It typically involves the administration of testosterone through injections, skin creams, patches, gels, pills, or subcutaneous pellets. 2023 75e6802d77

Polycystic ovary syndrome accounts for about 70% of hyperandrogenism cases. Other causes include Congenital adrenal hyperplasia, insulin resistance, hyperprolactinemia, Cushing's disease, certain types of cancers, and certain medications. Diagnosis often involves blood tests for testosterone, 17-hydroxyprogesterone, and prolactin, as well as a pelvic ultrasound. 75e6802d77 Historically, breast cancer was treated with radical surgery alone. Advances in the understanding of the natural course of breast cancer as well as the development of systemic therapies allowed for the use of breast-conserving surgeries, however, the nomenclature of viewing... 75e6802d77

Pheochromocytoma Endocrine Abstracts. PGLs of the head and neck are typically parasympathetic. ISSN 1479-6848. doi:10. A population-based retrospective study 1977-2015". 4. Aygun Pheochromocytoma (British English: phaeochromocytoma) is a rare tumor of the adrenal medulla composed of chromaffin cells and is a pharmacologically volatile, potentially lethal catecholamine-containing tumor of chromaffin tissue. 1530/endoabs. changing clinical presentation. Some PGLs may secrete little to no catecholamines, or only secrete paroxysmally (episodically), and other than secretions, PGLs can still become clinically relevant through other secretions or mass effect (most common with head and neck PGL). These neuroendocrine tumors can be sympathetic, where they release catecholamines into the bloodstream which cause the most common symptoms, including hypertension (high blood pressure), tachycardia (fast heart rate), sweating, and headaches. It is part of the paraganglioma (PGL). 49. oc1 75e6802d77

Breast cancer management Local therapy is most efficacious in early stage breast cancer, while systemic therapy is generally justified in advanced and metastatic disease, or in diseases with specific phenotypes. Local therapy is most efficacious in early stage Breast cancer management takes different approaches depending on physical and biological characteristics of the disease, as well as the age, over-all health and personal preferences of the patient. Treatment types can be classified into local therapy (surgery and radiotherapy) and systemic treatment (chemo-, endocrine, and targeted therapies). local therapy (surgery and radiotherapy) and systemic treatment (chemo-, endocrine, and targeted therapies) 75e6802d77

Hyperandrogenism Complications may include high blood cholesterol and diabetes. Polycystic ovary syndrome (PCOS) is an endocrine disorder characterized by an excess of androgens produced by the ovaries Hyperandrogenism is a medical condition characterized by high levels of androgens. can also appear spontaneously. It occurs in approximately 5% of women of reproductive age. It is more common in women than men. Symptoms of hyperandrogenism may include acne, seborrhea, hair loss on the scalp, increased body or facial hair, and infrequent or absent menstruation 75e6802d77

Hyperparathyroidism This occurs from a disorder either within the parathyroid glands (primary hyperparathyroidism) or as response to external stimuli (secondary hyperparathyroidism). doi:10. RA. In healthy people, when blood calcium levels are high, parathyroid hormone levels should be low. Both primary and secondary may result in osteoporosis (weakening of the bones). Symptoms of hyperparathyroidism are caused by inappropriately elevated blood calcium excreted from the bones into the blood stream in response to increased production of parathyroid hormone. Endocrine Practice. 17 (Suppl 3): 18-27. Marx SJ (2011). Other symptoms may include bone pain, weakness, depression, confusion, and increased urination. "Hyperparathyroid genes: sequences reveal answers and questions". 4158/EP11067. With long-standing hyperparathyroidism, the most common symptom is kidney stones. PMC 3484688 Hyperparathyroidism is an increase in parathyroid hormone (PTH) levels in the blood 75e6802d77

In 80... 75e6802d77 ART is also prescribed to lessen the effects or delay the onset of normal male aging. However, this is controversial and is the subject of ongoing clinical trials. 75e6802d77

Sex as a biological variable and animal studies". PMC 5101948. Editorial policies were established by various scientific journals recognizing the importance and requiring research to consider SABV. National

Institutes of Health have instituted SABV policies. doi:10. 1038/509282a. Public research institutions including the European Commission, Canadian Institutes of Health Research, and the U. PMID 24834516. 509 (7500): 282–3. "Sex & Gender: Questions & Answers". Nature News. Research including SABV has strengthened the rigor and reproducibility of findings. S. NIH Office Sex as a biological variable (SABV) is a research policy recognizing sex as an important variable to consider when designing studies and assessing results 75e6802d77

Although humans have always been interested in the natural history of the animals they saw around them, and used this knowledge to domesticate certain species, the formal study of zoology can be said to have originated with Aristotle. He viewed animals as living organisms, studied their structure and development, and considered their adaptations to their surroundings and the function of their parts... 75e6802d77

Gender dysphoria The International Classification of Diseases uses the term gender incongruence (GI) instead of gender dysphoria, defined as a marked and persistent mismatch between gender identity and assigned gender, regardless of distress or impairment. clinical practice guidelines stated "Results of studies from a variety of biomedical disciplines—genetic, endocrine, and neuroanatomic—support the concept that Gender dysphoria (GD) is the distress a person experiences due to inconsistency between their gender identity—their personal sense of their own gender—and their sex assigned at birth. The term replaced the previous diagnostic label of gender identity disorder (GID) in 2013 with the release of the diagnostic manual DSM-5. The condition was renamed to remove the stigma associated with the term disorder 75e6802d77

Zoology The term is derived from Ancient Greek ζῷον, zōion ('animal'), and λόγος, logos ('knowledge', 'study'). Its studies include the structure, embryology, classification, habits, and distribution of all animals, both living and extinct, and how they interact with their ecosystems. Physiology studies how, for example, the nervous, immune, endocrine, respiratory, and circulatory systems function Zoology (zoh-OL-ə-jee, UK also zoo-) is the scientific study of animals. Zoology is one of the primary branches of biology. human physiology to non-human species 75e6802d77

Osteopenia 11 (4): 237–251. doi:10. Because their bones are weaker, people with osteopenia may have a higher risk of fractures, and some people may go on to develop osteoporosis. Unlike osteoporosis, osteopenia does not usually cause symptoms, and losing bone density in itself does not cause pain.

(December 2010). Reviews in Endocrine and Metabolic Disorders. In 2010, 43 million older adults in the US had osteopenia. "Diagnosis and treatment of osteopenia"; 1007/s11154-010-9154-0
Osteopenia, known as "low bone mass" or "low bone density", is a condition in which bone mineral density is low

There is no single cause for osteopenia, although there are several risk factors, including modifiable (behavioral, including dietary and use of certain drugs) and non-modifiable (for instance, loss of bone mass with age). For people with risk factors, screening via a DXA scanner may help to detect the development and progression of low bone density. Prevention of... Not all transgender people have gender dysphoria. Gender nonconformity is not the same thing as gender dysphoria and does not always lead to dysphoria or distress... As men enter middle age they may notice changes caused by a relative decline in testosterone: fewer erections, fatigue, thinning skin, declining muscle mass and strength, and/or more body fat. Dissatisfaction with these changes causes...

Prenatal hormones and sexual orientation Prenatal hormones may be seen as the primary determinant of adult sexual orientation, or a co-factor. Endocrine disrupting chemicals (EDCs) are chemicals that, at certain doses, can interfere with the endocrine system in mammals. transsexuality cannot be assumed. Work The hormonal theory of sexuality holds that, just as exposure to certain hormones plays a role in fetal sex differentiation, such exposure also influences the sexual orientation that emerges later in the individual

Treatment depends on the underlying cause...

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