

# Sex Hormones And Cholesterol

**Keto diet may lower testosterone levels in women with PCOS - News-Medical.Net**

Low cholesterol lunch: What to eat, avoid, and more - Medical News Today

*How it's made: Cholesterol production in your body - Harvard Health*

**Deep ocean water alters the cholesterol and mineral metabolism of ... - Nature.com**

**How does sugar intake affect cholesterol levels? - Medical News Today**

**Trans women taking hormones 'up to 95 per cent more likely to ... - The Telegraph**

**NIH study links high cholesterol levels to lower fertility - National Institutes of Health (.gov)**

**An Overview Of Sex Hormones - News-Medical.Net**

**Origin of breath isoprene in humans is revealed via multi-omic ... - Nature.com**

**Alzheimer's: Sex hormones linked to development of disease - Medical News Today**

**Testosterone — What It Does And Doesn't Do - Harvard Health**

**Tip sheet: What to know about post-menopause health risks - Association of Health Care Journalists**

**Doctors Reveal High Cholesterol Symptoms, Including Skin Issues and More - Yahoo Life**

How excess weight causes heart attacks - Villages-News

Is cholesterol a steroid? - Medical News Today

**Supplements for PCOS - Verywell Health**

*Hypothyroidism: Effects on the body - Medical News Today*

10 Natural Appetite Suppressants - Supplements - Verywell Health

What causes low cholesterol? Symptoms and treatment - Medical News Today

*Top Doctors: If You're Stressed, Tired and Crave Salty Foods, It's Time to Give Your Adrenal Glands Some TLC - Yahoo Life*

Gender Gap: Unraveling Why Women Outlive Men - Mirage News  
New Research Reveals How Sex Hormones Influence Alzheimer's ... - SciTechDaily

**How To Reduce Menopause Weight Gain, According To Experts - Forbes**

*From the journals: JLR - ASBMB Today*

'Thin people cannot have high cholesterol': This and other myths about cholesterol that everyone should s - IndiaTimes

*Do Cheerios Really Lower Your Cholesterol? - Health News Hub*

**A Torchlight for America - new.finalcall.com**

**7 Healthy Fat Foods and Their Benefits - Greatist**

9 Causes of Low Libido and How to Treat It - Livestrong

Alpha Tonic Reviews: Effective T-Booster or Dishonest Claims to ... - Renton Reporter

*Best Cutting Steroids to Get Ripped in 2024 - Anabolic Steroids to ... - Dailyuw*

How to lower cholesterol naturally without medication - Medical News Today

Cholesterol Levels: Normal Ranges By Age, LDL, HDL And More - Forbes

Can Good Cholesterol Be Too High? - WebMD

*Cholesterol Physiology - News-Medical.Net*

**Know Your High Cholesterol Medication Options - AARP**

*Fat around the belly: Why it happens and how to lose it - Medical News Today*

The burden of colorectal cancer attributable to dietary risk in Middle ... - Nature.com

*Erectile dysfunction and high cholesterol: What's the link? -*

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*Medical News Today*

**Wearable patch wirelessly monitors estrogen in sweat -  
Science Daily**

Pass the hankies, man flu is real — here's how to stay healthy -  
The Times

**Estrogen: What it does and what happens when you have  
low levels - USA TODAY**

Can coconut oil spike your bad cholesterol compared to vegetable  
oils? Or boost your heart health? - The Indian Express

*Not so good after all? Having high levels of HDL cholesterol  
'might raise your risk of dementia' - but scienti - Daily Mail*

Age-related loss of chromosome Y is associated with levels of sex  
... - Science

**Red Boost Powder Reviews - Does It Work? What They  
Won't Tell ... - The Daily World**

Low testosterone associated with multiple factors including  
obesity ... - Urology Times

**How Much Cholesterol Per Day: Guidelines and  
Considerations - Healthgrades**

Comparison of changes in lipid profiles of premenopausal women  
... - Nature.com

**Cheese: which ones are most healthy? - Sydney Morning  
Herald**

*Low Cholesterol Diet: Top Nutrients (With Meal Ideas) - Verywell  
Health*

The Top 9 Best Testosterone Booster Supplements Reviewed -  
Kirkland Reporter

Dr Libby: The Three Stages Of Stress (And How To Manage It) -  
New Zealand Herald

**AFib in Women: The Role Estrogen May Play in Heart  
Arrhythmia - Healthline**

**A Tiny Patch May Someday Measure Your Critical Health  
Needs - WebMD**

*What is good cholesterol and how to increase it - Medical News*

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Today

**Explaining the good and bad cholesterol - The Tribune India**

**What is gender dysphoria and what does transgender youth care consist of? - ABC News**

Investigating sex-specific associations of lipid traits with type 2 ... - Cardiovascular Diabetology

**The Role of Estrogen Therapy as a Protective Factor for Alzheimer's ... - Cureus**

Cholesterol and Menopause: What's the Relationship? - Healthline

**High cholesterol has no symptoms, only a disease can alert you to it. So test regularly, remove triggers - The Indian Express**

Study offers a new perspective on the reproductive toxicity of ... - News-Medical.Net

*Hormones Account for 10% of Lipid Changes After Menopause - Medscape*

*National Cholesterol Education Month - Veterans Affairs*

*As time marches on, you can significantly slow your aging process - Searchlight Newspaper*

**Hysterectomy and Cardiovascular Disease: What Women Should ... - Healthline**

Hormones and Immunity: The Impact of Hormonal Contraception on ... - News-Medical.Net

**Sex Differences in Cardiac Troponin Trajectories Over the Life Course - AHA Journals**

Low Progesterone: Mood, Period, Pregnancy Symptoms - Verywell Health

**Hormone Replacement Therapy for Women With Multiple Sclerosis - Health Central**

*These 5 lifestyle habits are killing your sex life — 4 tips to make it hot again - New York Post*

**FY 2023 VA-Funded Projects - VA's Office of Research and Development**

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## **Hormone Imbalance: Symptoms, Causes, Diagnosis - Verywell Health**

*Sex-specific contribution of CMI in predicting MAFLD | DMSO -  
Dove Medical Press*

[Estrogen and Progesterone: Reasons to Balance Levels - Verywell Health](#)

*Triglycerides/HDL cholesterol ratio and type 2 diabetes incidence ... - Cardiovascular Diabetology*

*High low-density lipoprotein cholesterol level is associated with an ... - Nature.com*

## **Altered circulating GDF-15 level predicts sex hormone imbalance in ... - BMC Psychiatry**

## **Cupid is Worried About Your Cholesterol - Are You? - McLaren Health Care**

[Too much 'good' cholesterol could contribute to infertility among ... - Study Finds](#)

[Gut Check: Fun Facts About Your Digestive System - Health Essentials](#)

['Men's performance issues' have more than one cause - Full Fact](#)

[Eczema and Hormones: How They're Related - Health Central](#)

*High blood pressure: Effect on males' sexual health - Medical News Today*

## **You don't have to suffer through menopause. Doctors discuss ... - Stamford Health**

[Hormones Tagged for Sex Differences in HDL-C - Medpage Today](#)

[Oh Yes Reviews - Will It Work For You? Quality Female Libido ... - Kitsap Daily News](#)

*Sex Hormones Link To Heart Risk - Science Daily*

*Maternal prenatal cholesterol levels predict offspring weight ... - BMC Medicine*

*Female sex hormones: Types, roles, and effect on arousal - Medical News Today*

[Yaz: Uses, side effects, alternatives, and more - Medical News Today](#)

*Hormone replacement therapy for gender dysphoria may increase ... - News-Medical.Net*

### **Plant-Based Estrogen Improves Lipids in Postmenopausal Women - Medpage Today**

*Remnant cholesterol can identify individuals at higher risk of ... - Nature.com*

### **Multiple Sclerosis (MS) Prognosis and Life Expectancy - Health Central**

Does menopause affect cholesterol levels in women? A cardiologist explains - Health shots

### **Corticosteroids - Hospital for Special Surgery**

*The Impact of Menopause on Cardiovascular Aging: A ... - Cureus*

*Sex Steroids and the Cardiovascular System - Peter Ramwell 2012-11-14*

Evidence accumulated over the past decade show that gonadal steroid hormones participate in an important way in the physiological and pathophysiological regulation of the cardiovascular system. The hormonal profile appears to put males at a disadvantage biologically in terms of cardiovascular diseases. The incidence of hypertension is higher in men than in premenopausal women indicating an influence of gender on the hypertensive disease process. Males and females have

equivalent cholesterol levels until puberty but males suffer an exponential increase in heart disease in their forties, while the female rise does not start until a decade later, after menopause. Animal and human studies provided ample evidence, that estrogens lower the levels of low density lipoproteins and keep high density lipoproteins elevated. These changes may be advantageous in the prevention of heart disease. Coronary artery atherosclerosis has been shown to be more pronounced in ovariectomized female monkeys as in intact females. Androgen, conversely, lowers

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the high density lipoproteins and elevates low density lipoproteins. Regarding blood pressure, it is well established that hypertension is more severe or develops more rapidly in male than female rats in several genetic forms of hypertension, and that gonadal steroid hormones are probably playing an important role in explaining this observation. Risk factors of human hypertension and coronary heart disease include menopause and ovariectomy.

### **Cholesterol Levels in Serum and 5 $\alpha$ -Pregnane-3 $\beta$ ,20 $\beta$ -Diol in Urine of University Students -**

Gertrude Kuei-Shu Chiang  
1966

Since there is a high incidence of coronary heart disease in humans of middle-age and older in the United States, and the mortality of this disease is still increasing, a great deal of research has been done in this field. Although many theories have been formulated concerning the cause of atherosclerosis, it is a very complex disease, and appears

to be influenced by many factors. Disturbed lipid metabolism is widely believed to be involved in the development of the vascular lesions found in arteriosclerosis, although the nature and origin of the disturbance is unknown. The mechanism for the elevation of serum cholesterol and triglyceride levels is not known; but sex hormones and dietary constituents are believed to be among the factors involved. The concept that atherosclerosis is a metabolic disorder involving lipids and lipoproteins has stimulated extensive investigation of the endocrine influences on circulating lipids and on lipid metabolism. The results have consistently indicated that estrogens decrease circulating cholesterol and prevent cholesterol induced coronary atherosclerosis, while androgen administration tends to increase circulating cholesterol. There are relative few studies of the effect of other sex hormones, such as

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progesterone. There is only limited information on the relationship between the level of progesterone and the concentration of serum cholesterol in healthy adults while living under ordinary living conditions. Further work with more subjects is desirable. Since the discovery by Marrian and co-workers (1929) of  $\Delta^5,3\beta$ -pregnane- $20\alpha,21\beta$ -diol in urine of pregnant women and the perfection of quantitative method for its determination by Venning (1937), this compound has received wide attention because of its close relation to the metabolism of the corpus luteum hormone, progesterone. Pregnandiol is the major end product of progesterone catabolism and its estimation provides a useful index of luteal function. Progesterone has been isolated from three mammalian tissue sources, the corpus luteum, the adrenal, and the placenta. The function of progesterone is to promote the proliferation of uterine mucosa and thus to prepare this tissue to receive the fertilized ovum. Cholesterol,

literally meaning bile solid-alcohol, derives its name from the fact that it was first isolated from human gallstones, of which it is generally the chief component. The amount of cholesterol in animal tissues varies widely. It is particularly abundant in brain and nerve tissue, adrenal glands, and egg yolk. It had been shown that the administration of deuterium-labeled cholesterol to a pregnant woman gave rise to labeled pregnandiol in the urine. Presumably, the administered cholesterol was converted in the placenta to progesterone, from which pregnandiol was then formed (Fruton et al., 1958). Subsequent work demonstrated that adrenal tissue can convert  $C^{14}$ -labeled cholesterol to labeled progesterone, as well as to corticosterone and cortisol, and that cholesterol is a more efficient precursor of the hormones than is acetate. Observations in animals limited to meal eating rather than ad libitum feeding, have shown



that serum cholesterol was significantly raised (Cohn et al., 1962). The rats trained to eat their food in a short period each day also showed markedly increased lipid synthesis. The enhanced lipogenesis resulted in an increase in fat deposition in adipose tissue. These findings have been interpreted to suggest that using frequent small feedings might prove to be beneficial to people who have abnormal lipid metabolism. This study is part of a larger problem whose purpose was to determine relationships that exist between serum cholesterol and concentrations of estrogens and the degradation products of androgens, adrenal steroid hormones, and progesterone in urine of healthy young adults consuming self-selected diets under home living conditions. Simultaneous studies of these factors in human subjects have been very limited. The objectives of this study was to determine the levels of serum cholesterol and urinary excretion values of pregnanediol, and any

relationships between the two biochemical indices that might exist. The research was based on a group of university students (five women and four men) maintained on self-chosen diets who were eating two meals per day with no lunch or three meals a day. Urine specimens were collected for hormone estimation and fingertip blood samples for cholesterol determination. Dietary records were also collected for dietary calculation. Chemical analyses of free and total cholesterol were made by using the method of Galloway et al. (1957). Determination of pregnanediol in urine was made by modification of the method of Eberlein and Bongiovanni (1958) on thin-layer chromatography.

*Sex Differences in the Association of Adiponectin with Cardiovascular Atherosclerosis and Mortality* - Gail A. Laughlin 2006

The biological factors underlying the greater risk of coronary heart disease (CHD) in men than women remain

unclear. Endogenous sex hormones, as well as sex-differences in fat distribution and fat-derived hormones, are potential candidates. The goal of this dissertation was to describe the cross-sectional and prospective association of the adipocytokine, adiponectin, with cardiovascular disease and mortality, and its modulation by endogenous sex hormones. Sex-specific analyses were performed using data from 1513 participants of the Rancho Bernardo Study, a population based cohort of older adults. We observed a favorable association between adiponectin and most CHD risk factors, adiponectin levels were positively related to age, alcohol intake and HDL cholesterol, and negatively associated with male sex, waist girth, body mass index, insulin resistance and triglycerides. Current literature reasons that lower adiponectin levels in men compared to women must be due to either a suppressive effect of testosterone or a stimulatory effect of estrogens. Our results are contrary to

both of these hypotheses and provide credible evidence that regulation by sex hormones does not account for the sex difference in serum adiponectin in older adults. Higher testosterone and lower bioavailable estradiol were each associated with higher levels of adiponectin in both sexes, independent of age, adiposity, lifestyle, insulin resistance, or lipoproteins. Higher adiponectin levels had a protective association with prevalent CHD for both men and women, which seemed to be primarily mediated by HDL cholesterol and triglycerides. In prospective analyses, higher adiponectin concentrations predicted reduced risk of non-fatal myocardial infarction over the following 20 years in men, but not women. Adiponectin was not associated with 20 year CHD mortality in either sex, and adiponectin levels above the 80th percentile for this population were associated with increased risk of cardiovascular death and of death from all causes. We found no evidence that

endogenous sex hormones modulated the link between adiponectin and CHD risk. We conclude that neither adiponectin, nor its interaction with endogenous sex hormones, is likely to provide a foundation for reconciling sex differences in CHD.

### *Hormones and Atherosclerosis*

- R.W. Stout 2012-12-06

As the acute infectious diseases recede in importance, and as the number of people surviving into middle and old age increases, the chronic 'degenerative' diseases assume greater importance as causes of death and disability. Of these diseases, atherosclerosis is by far the most prevalent and its consequences the most devastating. The search for the cause of atherosclerosis is consuming large amounts of resources of both money and research talent. As yet, the cause remains unknown. Much of the research effort into atherosclerosis has been concerned with lipid metabolism. This is based on the knowledge that abnormalities of certain lipids

and lipoproteins predispose to cardiovascular disease. Often the research has not been directly related to atherosclerosis and it is only recently that widespread attention has been paid to the artery. The development of methods of growing vascular endothelial and smooth muscle cells in culture has made possible detailed studies of the biology of the arterial wall. There are a number of reasons why investigations of lipid metabolism alone will not identify the cause of atherosclerosis. First, only a minority of patients with cardiovascular disease have abnormal circulating lipids and lipoproteins. Second, there are three major predisposing factors for atherosclerosis which cannot be entirely explained by abnormal lipid metabolism - age, sex, and diabetes mellitus. Third, it is now clear that lipid is only one component of the atheromatous plaque, and incorporation of lipid may be a late feature of the development of the lesion.

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Chemistry of the Sex Hormones - Peter Maxwell  
Farrow Bishop 1962

### **Sex Hormone Replacement Therapy** - Henry Burger

2013-03-09

Sex Hormone Replacement Therapy addresses important issues in contemporary endocrinology. Its major emphasis is on the consequences of the menopause and on androgen deficiency in the absence of overt disease of the hypothalamus and/or pituitary in men. The use of hormone therapy for the primary prevention of cardiovascular disease in post-menopausal women has become an area of major debate, and the pros and cons are examined in detail. Secondary prevention also remains controversial and is addressed in this volume. An issue of particular concern is the treatment of estrogen deficiency symptoms in women with the diagnosis of breast cancer. Whether older men with some androgen deficiency symptoms and equivocally low

plasma testosterone concentrations should be treated with androgens is also a matter of great debate, as is the efficacy and safety of plant estrogens in the treatment of menopause-related complaints. Sex Hormone Replacement Therapy will be of interest to students and non-specialists, as well as a wide range of medical practitioners including endocrinologists, gynecologists, rheumatologists and cardiologists.

### Sex Hormones in Neurodegenerative Processes and Diseases - Gorazd

Drevensek 2018-05-02

The book provides chapters on sex hormones and their modulation in neurodegenerative processes and pathologies, from basic molecular mechanisms, physiology, gender differences, to neuroprotection and clinical aspects for potential novel pharmacotherapy approaches. The book contains 14 chapters written by authors from various biomedical professions, from basic researchers in biology and physiology to medicine and

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veterinary medicine, pharmacologists, psychiatrist, etc. Chapters sum up the past and current knowledge on sex hormones, representing original new insights into their role in brain functioning, mental disorders and neurodegenerative diseases. The book is written for a broad range of audience, from biomedical students to highly profiled medical specialists and biomedical researchers, helping them to expand their knowledge on sex hormones in neurodegenerative processes and opening new questions for further investigation.

*Cholesterol* - Madan L. Nagpal  
2018-08-08

"What is this cholesterol?" In this book entitled "Cholesterol-Good, Bad, and the Heart" now you got the answers given by the experts in the field. Moreover, you can explore more by reading the references/citations given in the articles of each chapter. It is still an emerging field and lot more is being discovered. You will be amazed how much knowledge is already there in

this book on cholesterol. You will realize that cholesterol is an essential and extremely important building block of cell membranes and thus serves vital functions in the body. I believe this book will be incredibly powerful and useful in teaching to give new perspectives on cholesterol.

Hormonal Regulation of Cholesterol Homeostasis - Zhuo Mao 2018

Cholesterol homeostasis is tightly regulated by a group of endocrine hormones under physiological conditions. Hormonal dysregulation is often associated with disturbed cholesterol homeostasis, resulting in many clinical disorders including atherosclerosis, fatty liver and metabolic syndrome.

Circulating hormones regulate cholesterol metabolism by altering levels of relative genes either through their interactions with nuclear receptors or by interfering with bile acid signaling pathways. A better understanding of hormonal regulation of cholesterol metabolism would

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improve our likelihood of identifying effective and selective targets for the intervention of disturbed cholesterol. In this review, we discuss selected hormones critical for the cholesterol balance, including thyroid hormone, sex hormones, growth hormone, glucagon and irisin. We focus our discussion on the most recent advance in clinical epidemiology, animal mechanistic studies and the clinical application.

Pregnancy, Sex Hormones and the Liver - H.B. Reyes  
1996-06-30

Pregnancy is the main determinant of some liver diseases in humans: acute fatty liver of pregnancy, cholestasis of pregnancy, and acute liver failure in toxemia of pregnancy. Pregnancy also modifies the natural history of other more common hepatobiliary diseases, such as cholesterol gallstones. Sex hormones (mainly oestrogens, progesterone and/or some of its metabolites) and prolactin are considered responsible for these pathological

consequences and they also appear to be influential in the outcome of several other hepatobiliary disorders, in both sexes and all ages. Although these disorders and their hormonal interrelations have been clinically well characterized, their pathogenesis remains obscure from the biomolecular point of view. In recent years, novel approaches using new technologies have improved our understanding of hormone actions and metabolism, hormone receptors, metabolic pathways and their interrelations with closely related molecules, such as bile acids. This book, the proceedings of the 89th Falk Symposium, held in Santiago, Chile, 10-11 November, 1995, will help research scientists and clinicians to review basic and clinical aspects of these interactions, in order to stimulate biomedical research in a relevant and exciting area.

The Effects of Sex Hormones On Cardiovascular Disease Risk Factors Among Transgender Men And Women

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### Undergoing Hormone Therapy In Philadelphia - Michael

Thomas LeVasseur 2016  
Cardiovascular disease (CVD) is the leading cause of death in America (1). There exists a sex disparity in cardiovascular disease such that men are twice as likely to die of CVD as women (2). This may be the result of genetic differences that put men at a higher risk of CVD than women, though studies have not found any evidence to date (3). Behavioral effects, such as diet, exercise, and smoking, have shed some light into this sex disparity, but do not fully explain the effect (3). It has been postulated that hormones play an important role in cardiovascular disease. Specifically, a prevailing theory postulates a cardioprotective effect of estrogen, though clinical trials exploring this have not shown any protective effect of estrogen on cardiovascular health among postmenopausal women (4-12). An alternative hypothesis has suggested a detrimental effect of testosterone, although fewer

studies have investigated the effects of testosterone on cardiovascular disease (3). Research into this field has almost exclusively focused on the estrogen-protection hypothesis (3). Transgender men and women provide a novel population to study the effects of hormones on cardiovascular risk. Patients undergoing hormone therapy receive supraphysiologic doses of hormones to inhibit endogenous sex hormones and replace these with levels of hormones of the desired sex (13). Studies exploring the effects of hormone therapy in this population are few (14) and have significant limitations including small sample sizes and short follow-up times (15). Although guidelines for the care of the transgender population have been put forth by the Endocrinology Society (13), these guidelines are based on limited studies, and information on the long-term effects of hormone therapy are unknown (16). Echoing the limitations of these guidelines and recognizing the gaps in

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research, the Institute of Medicine has strongly recommended increasing research into the health of this population (14). In Philadelphia, the Mazzone Center provides targeted health services to the lesbian, gay, bisexual, and transgender (LGBT) population. Services provided by the Mazzone Center to transgender men and women include counseling, hormone therapy, and regular medical care. In 2010 alone, the Mazzone Center served 18,117 patients through direct services, 14% of which, were transgender (17). To explore the relationships between hormone therapy and blood pressure, a sample of 441 transgender women and 391 transgender men were matched to cisgender men and women from a clinic population. To explore the relationships between hormone therapy and lipids, a sample of 144 transgender women, 171 transgender men, and 440 cisgender men were selected from a clinic sample. Patients were followed up for a

minimum of 1.5 years over 3 patient visits. We assessed the changes in systolic blood pressure, diastolic blood pressure, HDL and LDL cholesterol using generalized linear modeling among transgender patients alone as well as a cisgender referent analysis. We also assessed whether or not BMI mediated the relationships explored above. We first assessed whether changes in BMI were associated with hormone therapy over time as well as the longitudinal association of BMI with systolic and diastolic blood pressure, HDL, and LDL cholesterol levels.

Autoregressive mediation analysis was used to determine the mediating effect of changes in BMI on the influence of hormone therapy on measures of cardiovascular disease risk. Despite a slight decrease in systolic blood pressure among transgender women, we found no clinical differences in blood pressure over time. Compared to cisgender patients, transgender women have blood pressure levels that are similar



to cisgender men and transgender men have blood pressure levels that are similar to cisgender women. Over time, transgender women have a decrease in blood pressure while transgender men have an increase in blood pressure over time. We conclude that the effects of hormone therapy on blood pressure is minimal among transgender patients. Transgender women had an increase in HDL cholesterol, a decrease in LDL cholesterol after 1.5 years of hormone therapy. Transgender men had a decrease in HDL cholesterol and an increase in LDL cholesterol over the same time period. Although transgender women had similar HDL levels to cisgender males at baseline, by 6 months of follow up, these levels were statistically distinct from cisgender men.

Conversely, transgender men were quite different in HDL cholesterol at baseline compared to cisgender men and became statistically similar at 6 months of follow up. There were no differences in LDL cholesterol comparing

transgender men to cisgender men at any point during follow up. We conclude that hormone therapy increases the CVD cholesterol risk profile among transgender men, but decreases the CVD cholesterol risk profile among transgender women. Transgender women had a slight increase in BMI over 18 months of hormone therapy and transgender men had a slight increase in BMI after 6 months of hormone therapy, an effect that did not persist after 18 months of follow up. These changes over time did not have a significant effect on blood pressure or lipids measurements. We concluded that BMI does not change significantly over the duration of hormone therapy and does not mediate the effects of any of the factors explored.

**How Cholesterol Works** - Howstuffworks, Inc. presents the full text of the article entitled "How Cholesterol Works," by Jerry Gordon. The author discusses cholesterol, a fat-like compound that is needed for the formation and

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maintenance of cell membranes, the formation of sex hormones, and the production of bile salts. Gordon details the difference between blood and dietary cholesterol, factors that affect cholesterol levels, what the numbers mean in a cholesterol test, and when medication is used to lower cholesterol.

### **Effects of the Sex Hormones on Blood Serum Cholesterol Level in Chickens Fed on a High Saturated Fat Diet -**

Laraine Cleland 1964

### **Effect of Different Levels of Dietary Protein and Sex Hormones on Lipid Metabolism in Male**

**Castrated Rats - Sharad Patel 1969**

Male castrated rats treated with testosterone or estradiol were given a diet containing 9, 18, or 50 per cent protein. Total lipids, lipid classes and fatty acid composition of lipid classes were determined. Estradiol treated rats grew slower, smaller and consumed less diet. Their liver weights were larger when compared to

their body weights. Moisture content of liver remained unaffected by sex hormones, but increased with the high level of protein in the diet. Both testosterone and estradiol affected lipid metabolism; in general, the estrogenic influence was more pronounced and more predictable. Estradiol administration increased total lipids, free and esterified cholesterol and phospholipids in serum. Liver triglyceride level was decreased and free fatty acids and phospholipids were increased. An effect of sex hormone on the percentage composition of serum and liver fatty acids was apparent. Estradiol dosed rats maintained higher proportions of myristic and stearic acids in the serum cholesterol esters than that of the other fatty acids. It also increased the level of stearic and oleic acids and decreased the level of myristic, palmitic and linoleic acids in serum phospholipids. Oleic acid concentration was increased while linoleic acid concentration was decreased in

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serum triglycerides of estradiol treated rats. The liver cholesterol ester fatty acid patterns remained unchanged by sex hormone treatment. Liver phospholipid fractions contained a lower percentage of oleic acid in estradiol treated groups. Testosterone and estradiol treated rats had a higher proportion of myristic, stearic and linoleic acids and lower proportion of oleic acid in liver triglycerides than did the control rats. Dietary content of protein did not change serum lipid values significantly. The high level of dietary protein decreased oleic acid concentration in liver phospholipids and triglycerides.

**Effects of Sex Hormones and of Potassium Salts of Fatty Acids on the in Vitro Biosynthesis of Cholesterol from Mevalonic Acid-2-C14** - James Joseph Carroll

The Cholesterol Puzzle - Jill D Davey 2017-09-28

This book gives you a new angle on the word 'cholesterol'. It explains how the heart

functions and what really causes heart disease. You will learn how to treat it, prevent it and, importantly, how to resolve it... naturally.

**The Menopause Cure: Hormonal Health** - Jill D. Davey 2015-07-28

In this groundbreaking, informative book, Jill Davey and Dr. Sergey Dzugan dive deep into hormones, potential complications, and symptoms troubleshooting without becoming encyclopedic or pedantic.

**Pharmacodynamic Studies on Desogestrel Administered Alone and in Combination with Ethinylestradiol** - Göran Cullberg 1985

**Hormones in Lipoprotein Metabolism** - Armin Steinmetz 2012-12-06

An intimate relation between hormones and lipoprotein metabolism has been known for a long time especially from hormone-deficiency or -overproduction syndromes. The mechanisms through which hormones influence lipid

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metabolism have become a field of major interest in science. The more we learn about cellular hormonal actions the better we understand regulatory processes and phenomena occurring in patients. The present book summarizes data discussed at an International Meeting at Marburg, Germany, on "Hormones in Lipoprotein Metabolism". It was an attempt to pull together knowledge in basic science from the mode of action of hormones all the way to clinical appearance of hormonal disorders involving lipoprotein metabolism. Thus data on molecular biology, on hormonal regulation of apolipoprotein synthesis, on lipoprotein receptors and enzyme induction are discussed together with the large field of oral contraceptive use, postmenopausal estrogen substitution, lipid disorders in diabetes mellitus, in thyroid dysfunction, in adrenal insufficiency and in glucocorticoid application. We are aware of the fact that such an overview cannot be

complete but should serve as a collection of data and ideas for those interested in hormonal regulation of lipid metabolism. We thank all authors for taking an extra effort in writing up their presentations and thus making this edition possible. We also thank Bristol-Myers-Squibb for generous support of the meeting and of the final publication. Marburg, Germany  
ARMIN STEINMETZ JURGEN SCHNEIDER HANS KAFFARNIK  
Contents  
Molecular Biology Chairmen:  
D. J. Rader, A.  
Sex, Lies & Cholesterol - Ryan E. Bentley 2010-09  
Not only is there mounting controversy over the benefit of statins for cardiovascular health, but more importantly, the role cholesterol plays in cardiovascular health and throughout the body. Could it be that cholesterol is not an important predictor of heart disease as has been previously thought? And could it be that in fact cholesterol is vital for many different biochemical functions that are affected by lowering cholesterol

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unnaturally? In the book *Sex, Lies, & Cholesterol*, you will learn: v Why cholesterol may not be the culprit of heart disease as previously thought. v Why statins are being implicated for a number of serious side effects including cancer. v The connection

between sexual dysfunction and inhibited cholesterol production from statin drugs. v A functional medicine approach to correcting the underlying factors associated with heart disease. v Simple lifestyle changes you can do to help prevent heart disease.

# **Sex Hormones And Cholesterol:**

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