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Partial List of
Conditions Related to
Nutritional Deficiencies.

Allergies
Ankle Swelling
Arthritis
Back Pain
Blood Pressure Trouble
Bronchial Conditions
Bursitis
Poor Circulation
Colitis
Constipation
Cough
Diarrhea
Disc Problems
Diverticulitis
Dizziness (vertigo)
Emphysema
Chronic Fatigue
Feet Cold or Burning
Feminine Problems
Gall Bladder Disorders
Gas
Glandular Troubles
Headaches
Heart Rate Disorders
Hemorrhoids
Impotence
Insomnia
Joint Pain
Kidney Problems
Knee Pains
Leg Pains, Cramps
Liver Problems
Nervousness
Neuralgia
Prostate Troubles
Sciatica
Shingles
Sinus Trouble
Thyroid Conditions
Stomach Problems
Yeast Infections

NUTRITIONAL ESSENTIALS

It is now an accepted fact that unsaturated fatty acids in the diet produce a beneficial influence by acting to lower elevated blood cholesterol levels . . . This simple biochemical fact has been difficult for test-tube-minded investigators to accept. In spite of the unsaturated fatty acids consistent pattern for lower(ing) cholesterol. Especially natural flaxseed oil.

Dr. Royal Lee (1895-1967)

Inventor, Scientist, and Founder of Standard Process.

High Cholesterol Myths and Truths

Hardly an hour of TV passes or ten pages of any magazine are turned without hearing or reading something about a drug or a diet which reduces blood cholesterol.

Is cholesterol really that bad?

How could a natural substance produced in our bodies as a basic building block of every cell as well as the hormone system and nervous system cause us so much trouble?

Do we really want to lower cholesterol at any cost?

It is a known fact that drugs recommended to reduce cholesterol interrupt normal physiology and are laden with serious side effects. Low fat diets designed to lower cholesterol often throw out good fats and replace them with sugar and unhealthy processed fats. What happened to common sense?

Cholesterol is vital to healthy body function but misinformation about cholesterol leads us to believe cholesterol is dangerous. What are the facts?

Cholesterol Facts

- Cholesterol is an essential fat made by the body which is vital to the healthy structure and function of cell membranes.
- Cholesterol enables binding of essential proteins in cell walls and assists in the transport of nutritional essentials in and out of the cells.
- Cholesterol is transported by LDL to the tissues that require cholesterol to maintain healthy function and returned by HDL for use and removal by the liver.
- Cholesterol returned to the liver is involved in the creation of hormones and excreted in the bile to the benefit of bowel pH and improved colon functions.
- Cholesterol is thought to be protective against infections and atherosclerosis.

Cholesterol Myths

1. High cholesterol is the cause of heart disease.
2. High cholesterol is the cause of atherosclerosis - hardening and clogging of the arteries.
3. High cholesterol is the caused by eating foods high in cholesterol.
4. Lowering cholesterol with drugs is safer than having high cholesterol.

Who gains from Cholesterol Myths?

Companies who patent low fat "foods" and create medicines designed to lower cholesterol levels profit from distorting the truth.

We need to clear our heads of these cholesterol myths and look at the facts.

Myth One - Cholesterol is the Cause of Heart Disease

Researchers find that high cholesterol is "present" in cases of heart disease nearly as often as high cholesterol is found in patients with no heart disease.(1) Research also indicates that high in old age is actually linked to a longer life.(2) Heart disease is more often directly linked with diet and lifestyle choices and NOT with high cholesterol in the blood stream.

Myth Two - High Cholesterol is the cause of Atherosclerosis.

Studies show little or no evidence that atherosclerosis or hardening of the arteries is caused by high cholesterol. (3,4,5,6,7) In fact, when comparing signs of atherosclerosis plaquing of the aorta with the average blood cholesterol levels of Japanese (170) to Americans (220) there was no notable difference in this Harvard Medical School study.(8) In another study using over 1400 Japanese and 5000 Americans it was found that in all age groups Japanese people were more atherosclerotic than Americans even though they had much lower cholesterol levels.(9) High cholesterol is not likely linked with hardening of the arteries."(10)

Healthy Cholesterol Levels & Nutritional Essentials

Myth Three - High Cholesterol is caused by eating foods high in cholesterol.

Tens of thousands of people from dozens of different countries have been tested in peer reviewed published research projects studying the effects of diet on blood cholesterol. No significant association of blood cholesterol levels to diet was noted in any of them except when artificial fats (margarine) and high sugar were consumed.(11)

Dozens of independent researchers found no significant benefit in lowering cholesterol in diet.

Myth Four - Lowering Cholesterol with Drugs is Safer than High Cholesterol.

A foundational principle of the Nutritional Essentials is “nature knows better.” Give the body the wholesome food it needs in a stress-free environment and it can heal itself. To go into the health risks of interrupting normal biochemical pathways in this lesson is impossible due to its length. It is common sense to say interrupting biochemical pathways is a last resort, yet we are told by the pharmaceutical companies that living on statin drugs are safer than high cholesterol! The risks of statin drugs far outweigh the benefits.

While statins inhibit the production of cholesterol, statins also inhibit other substances with important biological functions such as antioxidation (see lesson 18) and the appropriate clotting of blood (see lesson19). Additionally, statins reduce the activity of smooth muscles.(12) Each of these functions inhibited by statins are essential to healthy function.

The Reals Cholesterol Story

When one is healthy, cholesterol levels are regulated by the body naturally. High cholesterol is an indicator that an unhealthy lifestyle may need attention. Just as it makes no sense to pull the battery out of a noisy smoke alarm, it makes no sense to lower cholesterol with drugs - rather than put the fire out.

Research shows that high cholesterol does not cause disease but is present in certain disease conditions.(1) The facts support the concept that cholesterol has a healing effect and is elevated when needed by the body to effect a change.

Healthy Cholesterol Levels and The Nutritional Essentials

Lifestyle choices are the key to healthy body and cholesterol levels. Stress, refined sugar (see lesson 11), hydrogenated and transfat (see lesson 4), toxic overload on the liver (see lesson 6), B complex (see lesson 12) and antioxidant deficiencies (see lesson 18) all lead to heart, vascular and liver disease.

If you are concerned about cholesterol levels - focus on eating whole foods and whole food concentrates as follows:

- Include healthy oils in your food plan, especially Omega 3 oils like flaxseed oil (Linum B6) and healthy fish oil (Tuna Omega 3 of Calamari Oil)
- Include foods rich in iodine for healthy metabolism of fats.
- Eat plenty of fresh vegetables and fruits for vitamin complexes, minerals, antioxidants and fiber. (see lesson 1, 18)
- Avoid unhealthful, unnatural “foods” like processed flour, sugar, oils and margarine and junk “foods.” Avoid fake “fats”!
- Take the Sugar Challenge! (see lesson 11)
- Support your healthy life with whole food concentrates from Standard Process.

Ask me which Whole Food Concentrates might be right for you!

1. Ravnskov U. An elevated serum cholesterol is secondary, not casual, in coronary heart disease. *Medical Hypothesis* 1991;36:238-41
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9. Resch JA, Okabe N, Kimoto K. Cerebral atherosclerosis. *Geriatrics* 1969; November:111-132.
10. U. Ravnskov. Is atherosclerosis caused by high cholesterol? Published in *Quarterly Journal of medicine*(2002; 95:397-403)
11. Kroneld R, and others. Halsobeteende och riskfaktorer for hjart-och kartsjukdomar I ostra och sydvastra Finland. *Suomen Laakarilehti* 1990; 45:735-739.
12. Ravnskov U. Implications of Ss evidence on baseline lipid levels. *The Lancet* 1995; 346:181.
13. Q J Med 2003; 96: 927-934 U. Ravnskov High cholesterol may protect against infections and atherosclerosis.

+These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease. They are to support your health.

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What Did You Learn?

High cholesterol is a consequence in an unhealthy person

True False

High cholesterol does not cause disease but is present in certain disease conditions.(1) The facts support the concept that cholesterol has a healing effect and is elevated when needed by the body to effect a change.

True False

Drugs recommended to reduce cholesterol interrupt normal physiology and are laden with serious side effects.

True False

Following Nutritional Essential lessons, helps prevent high cholesterol.

True False