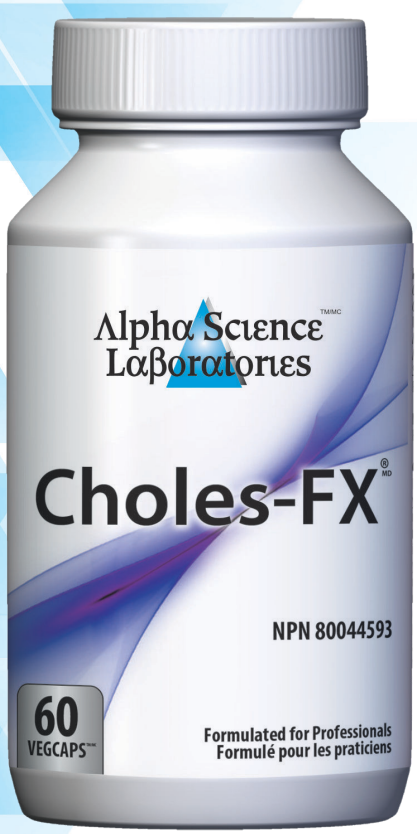
Alpha Science Laboratories™

Your First Choice for Natural Medicine

Choles-FX®

Helps maintain healthy cholesterol levels

Supported by 12 week Clinical Study



Hypercholesterolemia is defined as excessively high plasma cholesterol levels, and is a strong risk factor for many negative cardiovascular events. Therapies aimed at reducing serum LDL-C are considered to be an essential element of any attempt to prevent cardiovascular disease.

- A non-statin lipid-modifying agent
- Maintains healthy cholesterol levels
- Lowers LDL and total blood cholesterol
- Decreases lipid peroxidation
- Decreases platelet aggregation
- Decreases endothelial damage
- Prevents the risk of coronary heart disease
- Reduces the risk of peripheral vascular disease
- Helps the body to metabolize fats

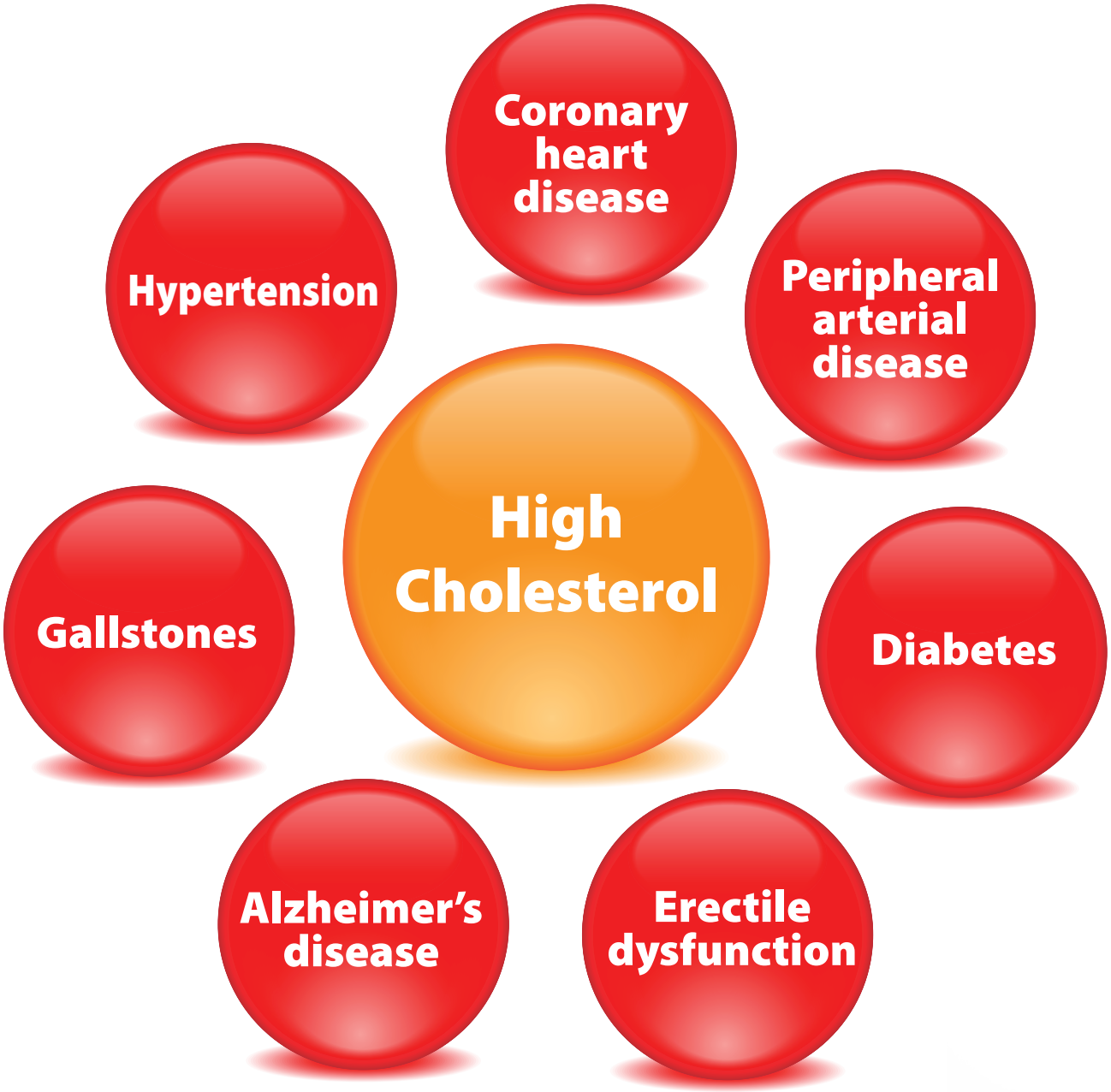
CLINICAL STUDY

"The Effects of Choles-FX® on Hypercholesterolemia"

A Preliminary Study

The effects of a specially formulated product, Choles-FX, on patients with high blood cholesterol was examined. All of the twenty patients involved in this study were volunteers with cholesterol levels considered to be in high range (>5.2 mmol/L). The duration of the study was 12 weeks. Prior to the commencement of the study, fasting blood samples were drawn and their total cholesterol, low density lipoprotein (LDL) cholesterol, high density lipoprotein (HDL) cholesterol, liver enzymes (AST and Alkaline phosphatase) were measured. Fasting blood samples were drawn after 6 weeks and 12 weeks into the study and the above blood parameters were measured. On average after 6 weeks of ingesting Choles-FX the total blood cholesterol decreased by 10% and after 12 weeks the total blood cholesterol levels decreased by 30.5%. Of the 20 patients enrolled in this study, 16 patients showed a normal blood cholesterol level after 12 weeks. All patients showed a significant decrease in their blood cholesterol levels. There was no significant change in the liver enzyme levels after 12 weeks indicating that Choles-FX did not adversely affect the liver.

Conditions Associated with Hypercholesterolemia



Choles-FX®

Helps maintain healthy cholesterol levels

PHARMACOLOGICAL ACTIVITIES: Choles-FX® Formulation

***Olea europaea* (370 mg)** Free Plant Sterols (95% beta-Sitosterol, Campesterol and Stigmasterol)

- Inhibits cholesterol absorption by 65% and lowers serum-cholesterol levels
- Exhibits anti-inflammatory and antioxidant activities
- Demonstrates anti-atherogenic property
- Beneficial in patients who are on statin drugs

Inositol hexanicotinate (250 mg) No-flush niacin

- Proven effective at lowering VLDL, LDL, TC and TG levels while raising HDL levels.
- Inhibits cholesterol synthesis in the liver
- Decreases free fatty acid mobilization
- Decreases HDL catabolism

Folic acid (100 mcg)

- Reduces plasma homocysteine levels
- Decreases TC and LDL-C
- Increases apolipoprotein AI, a major component of HDL
- Reduces the risk of atherosclerosis

Monascus purpureus- Fermented Oryza sativa (100 mg) Red Yeast Rice

- Effective in lowering TC, LDL-C, and TGs, and an increase in HDL
- Inhibits HMG-CoA reductase, an enzyme that catalyzes the rate-controlling step in cholesterol synthesis in the liver
- A source of natural monacolin K (identical to lovastatin)
- Beneficial in statin intolerant patients

Saccharum officinarum (50 mg) Policosanol

- Reduces LDL-C, TC, TG levels, and an increases HDL-C
- Down-regulates cellular expression of HMG-CoA reductase
- Effective in the management of intermittent claudication and platelet aggregation
- Demonstrates cholesterol-lowering potency comparable to that of statins, and is devoid of toxic risk

Folic acid and Methylfolate – Facts vs Fiction

1. Recently, it has been argued that methylfolate is preferable to folic acid as a nutritional supplement. Some practitioners are of the opinion that products containing folic acid should not be used. One concern about folic acid is that it does not occur naturally in the body, and that people who take it may have measurable concentrations of unmetabolized folic acid in their body. While unmetabolized folic acid has not been clearly shown to have deleterious effects, a very few studies have linked folic acid supplementation to an increase risk of cancer, and the possibility that this effect is due to unmetabolized folic acid has not been ruled out. Research is needed to determine how methylfolate compares with folic acid in terms of safety and efficacy. At present, routinely substituting folic acid with methylfolate, particularly in multiple-micronutrient products, is not supported by the available evidence (Gaby AR, 2017)[1].

2. A meta-analysis of 10 RCTs showed a borderline increase in frequency of overall cancer in the folic acid group compared to controls. The relative risk of developing cancer in patients randomised to folic acid supplements of 1.07 (with 95% confidence intervals 1.00 to 1.14) compared to controls. Overall cancer incidence was not reported in the seven observational studies. [Wien et al., 2012][2].

1. Gaby AR. (2017). Which supplement should we use: folic acid or methylfolate? Nutritional Medicine.

2. Wien TN, Pike E, Wisløff T, Staff A, Smeland S, Klemp M. (2012). Cancer risk with folic acid supplements: a systematic review and meta-analysis. BMJ Open. 2(1):e000653.

Choles-FX® - COMPLEMENTARY PRODUCTS

A Better Management - A Better Outcome™

ASL EFA Family - EFA 40:20™/ EFA Triple Omega™/ EFA Omega 3-6-9

- Used for the prevention and management of hypercholesterolemia, hyperlipidemia, and inflammation
- Dietary intake of omega-3 PUFAs improves the prognosis of patients with cardiovascular diseases

Coenzyme B Complex™

- Beneficial in lowering blood cholesterol and triglyceride levels
- Reduces total homocysteine levels

Gluco-FX™

- Cardiovascular disease occurs in patients with either type 1 or 2 diabetes
- Synergistic action in diabetic dyslipidemia

Liver Cleanse™

- Liver plays the central role in regulating the steady state concentration of LDL-C in the circulating plasma
- Maintains cholesterol balance

Quench-FX™

- Oxidized LDL accumulates in the vascular wall and contributes to the development of atherosclerosis
- Possess cardio protective effects through inhibitory effects of polyphenols on LDL oxidation

Ultimate Fibre Plus™

- Soluble fiber consumption reduces LDL-C and TC
- Ecoimmunonutrition help maintain healthy cholesterol

Alpha Science Laboratories™

Your First Choice for Natural Medicine

AlphaScienceLabs.com • 1-888-299-0318 • 795 Pharmacy Ave., Toronto, ON M1L 3K2 CANADA