



Enzogenol® - Protect Your Cardio-Vascular Health

Enzogenol® is a unique polyphenol complex extracted from New Zealand grown *pinus radiata* bark. In combination with vitamin C this broad spectrum, proanthocyanidin-rich, bioflavonoid complex can improve several risk factors of cardiovascular disease.

Clinical studies have shown cardiovascular benefits of Enzogenol®.

CLINICAL STUDY I.

PHYTOTHERAPY RESEARCH
Phytother Res. 17, 406-408 (2003)
Published online in Wiley InterScience (www.interscience.wiley.com). DOI: 10.1002/ptr.1181

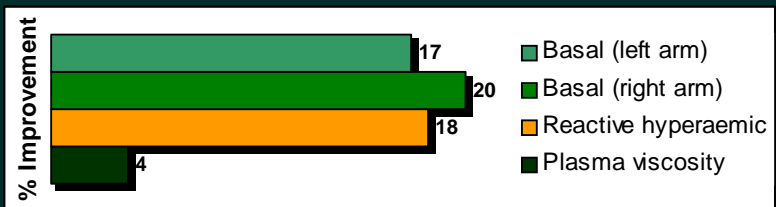
Pilot Study on the Clinical Effects of Dietary Supplementation With Enzogenol®, A Flavonoid Extract of Pine Bark and Vitamin C

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Design: Open label study, 24 subjects, age 55-75, 12 weeks of: 480 mg Enzogenol + 240 mg Vitamin C daily

Cardio Vascular Disease Risk Factor Measurements:
Blood flow / Endothelial Function by Plethysmography
Plasma viscosity

Blood Flow / Endothelial Function Improvements after 12 weeks of supplementation



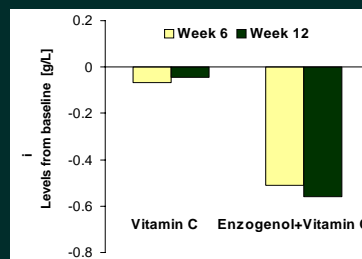
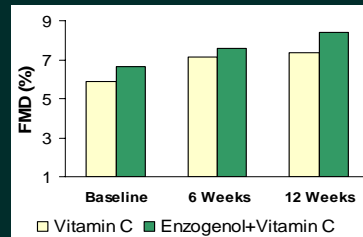
CLINICAL STUDY II.

Design: Randomised, double-blind, controlled, 44 smokers, age 40-67,
Treatment: 12 weeks of 480 mg Enzogenol +60 mg Vitamin C
Control: 12 weeks of 60 mg Vitamin C

CVD Risk Factor Measure:
Flow Mediated Dilation (FMD)

Inflammatory Marker:
Plasma Fibrinogen Levels

Increasing flow mediated dilation (FMD) indicates improved endothelial function as a result of Enzogenol® + Vitamin C.



Reduction in fibrinogen levels in heavy smokers indicates reduced systemic inflammation as a result of Enzogenol® + Vitamin C.

These clinical studies have shown that supplementation with Enzogenol® + Vitamin C has beneficial effects on established risk factors of cardiovascular disease and inflammation. Basal blood flow, blood flow under stress condition (reactive hyperaemic) and flow mediated dilation improved significantly after 6 and further after 12 weeks, and plasma fibrinogen levels were reduced; evidence that Enzogenol® with vitamin C improves circulation and counteracts the effects of atherosclerosis.

