

Study 1: Cardiovascular Health & Oxidative Stress

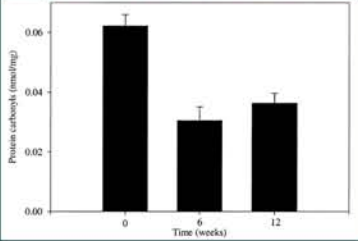
- Open label, uncontrolled
- 24 subjects, aged 55-75
- Treatment: 480 mg Enzogenol + 240 mg Vitamin C daily
- Testing at baseline and after 6 and 12 weeks of supplementation

Study 2: Cardiovascular Health & Oxidative Stress in Chronic Smokers

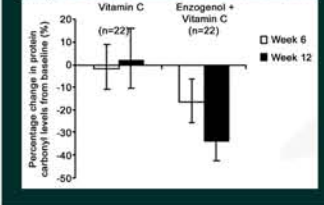
- Randomized, double-blind, controlled
- 44 smokers, aged 40-67
- Treatment: 480 mg Enzogenol + 60 mg Vitamin C daily
- Control: 60 mg Vitamin C daily
- Testing at baseline and after 6 and 12 weeks of supplementation

Oxidative Stress Markers

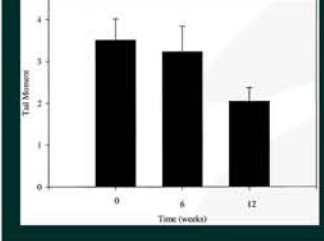
Study 1: Reduction in Blood Plasma Protein Oxidation



Study 2: Reduction in Plasma Protein Oxidation



Study 1: Reduction in DNA Damage



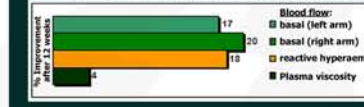
Reductions in markers of oxidation, like protein oxidation and DNA strand breaks give the best long term measure for the efficacy of antioxidants *in vivo*.

Clinical Studies have shown Reductions in DNA Damage and Protein Oxidation.

This Reduction of Oxidative Stress Markers demonstrates Enzogenol's Antioxidant Action *in vivo*.

Cardiovascular Risk Factors

Endothelial Function and Plasma Viscosity

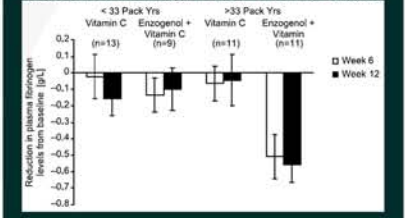


(Shand B et al. *Phytotherapy Research* 17 p490-494, 2003.)

Study 1: Basal and hyperaemic blood flow in forearm resistance vessels measured by plethysmography increased significantly during this study (basal left arm $p < 0.01$, right arm $p < 0.05$; hyperaemic $p < 0.01$), and plasma viscosity showed a small but physiologically significant decrease [0.06mPa.s].

Study 2: Reduction in plasma fibrinogen level stratified according to smoking history. After 12 weeks there was a significant decrease in fibrinogen levels in the Enzogenol + vitamin C treatment group in comparison to vitamin C alone in subjects with a heavier smoking history (>33 pack years) ($p = 0.009$). Data expressed as means +/- SEM. (Young JM et al. *Free Radical Research* 40 p85-94, 2006.)

Reduction in Fibrinogen Levels in Heavy Smokers



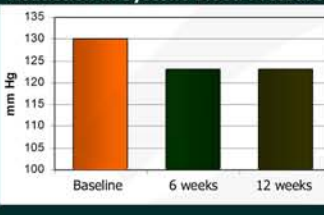
Clinical studies have shown improvements in risk factors of cardiovascular disease and inflammation including better blood flow/endothelial function and reduced fibrinogen levels.

Blood Pressure

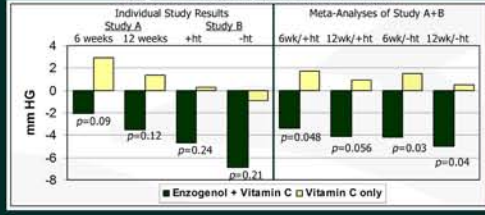
Study 1: The effect of Enzogenol® + Vitamin C supplementation on mean systolic blood pressure. Systolic blood pressure was lowered significantly after 6 and 12 weeks of supplementation ($p < 0.01$).

(Shand B et al. *Phytotherapy Research* 17 p490-494, 2003.)

Reduction in Systolic Blood Pressure



Enzogenol reduces Systolic Blood Pressure



Study 2 + Brain Function Study: The effect of Enzogenol® + Vitamin C supplementation controlled against Vitamin C alone on mean systolic blood pressure. Studies A (Young JM et al. *Free Radical Research* 40 p85-94, 2006.) and B (Pipingas et al. unpublished) showed clear trends in blood pressure reductions. A combined meta-analysis of both studies including the 6 week and 12 week time-points of study A, and including (+ht) or excluding (-ht) subjects on antihypertensive medications from study B showed a significant reduction with Enzogenol but no reduction with Vitamin C.

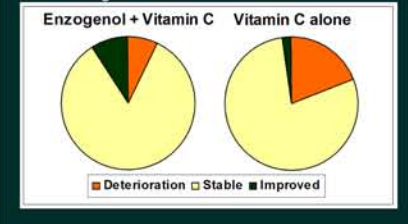
Blood pressure improvements are a clear indication of better cardiovascular health. Clinical studies have shown Enzogenol supplementation reduces blood pressure.

Eye Health Study

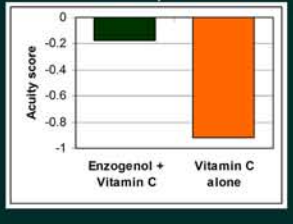
Study 3: Eye Health in Elderly People

- Randomized, double-blind, controlled
- 60 Rest-home residents, average age 82
- Treatment: 480 mg Enzogenol + 60 mg Vitamin C daily
- Control: 60 mg Vitamin C daily
- Testing at baseline and after 6 months of supplementation

Change in Distant Vision after 6 Months



Loss in Vision Acuity over 6 Months



Study 3: This study in 60 rest-home residents with an average age of 82 years showed that Enzogenol can improve eye sight. Distant vision improved significantly ($p = 0.028$) over the vitamin C only controls, and acuity of vision, a combined measure of near and distant vision declined five times faster in the control group compared to the Enzogenol group over the 6 months trial period ($p = 0.079$) (Gilchrist N et al. unpublished).

Eye sight deteriorates with age. Good nutrition and appropriate supplementation can prevent or slow down this decline. This study showed improvements in eye sight with Enzogenol supplementation.