



Enzogenol® - Brain Function Scientific Update

Enzogenol® pine bark extract is produced by ENZO Nutraceuticals' patented pure water extraction process from New Zealand grown *pinus radiata*. ENZO announces completion of the first controlled clinical study demonstrating clear improvements in brain function through supplementation with the proanthocyanidin-rich flavonoid complex, Enzogenol®.

CLINICAL STUDY DESIGN

- Randomized, double-blind, controlled
- 42 subjects, aged 50-65
- Treatment: 960 mg Enzogenol + 120 mg Vitamin C daily (n=22)
- Control: 120 mg Vitamin C daily (n= 20)
- Testing at baseline and again after 5 weeks of supplementation

METHODS

- 1) Computer-based tasks (measuring working memory performance)
- 2) Brain neuro-imaging by Steady State Probe Topography (SSPT) with Coherence Analysis (measuring brain electrical activities and assessing brain networking)

Working memory

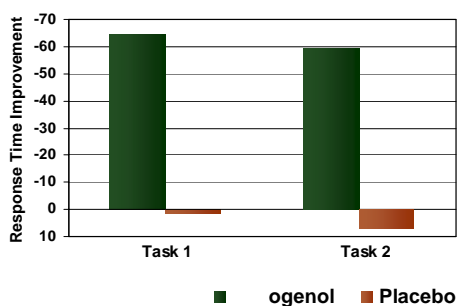
is like a
a SCRATCH-PAD
in your brain

or

the CPU & RAM
in your computer.

Exciting research indicates improved cognitive function in people who have supplemented with Enzogenol®. Scientists at the Brain Sciences Institute of Swinburne University in Melbourne, Australia, anticipate great interest in their publication. Findings involved working memory performance and impact on brain activity, and there are profound observations about focus, enhanced concentration, and improved decision making.

Computer-based Cognitive Testing



Established Science

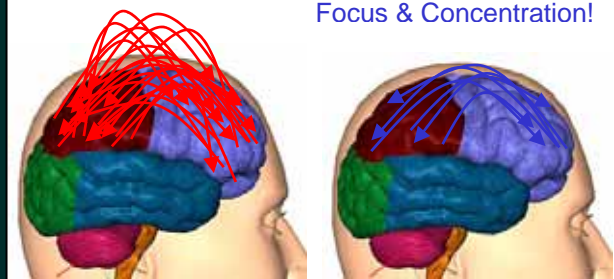
As the first sign of cognitive loss due to aging, response times on cognitive tests deteriorate.

The Neural Network

Brain regions are either coupled or decoupled to integrate the different brain functions.

Too much coupling =
Noise!

Decoupling =
Noise Reduction!
Focus & Concentration!



The balance in this network is critical for optimal cognitive performance, and this is where Enzogenol® appears to function.