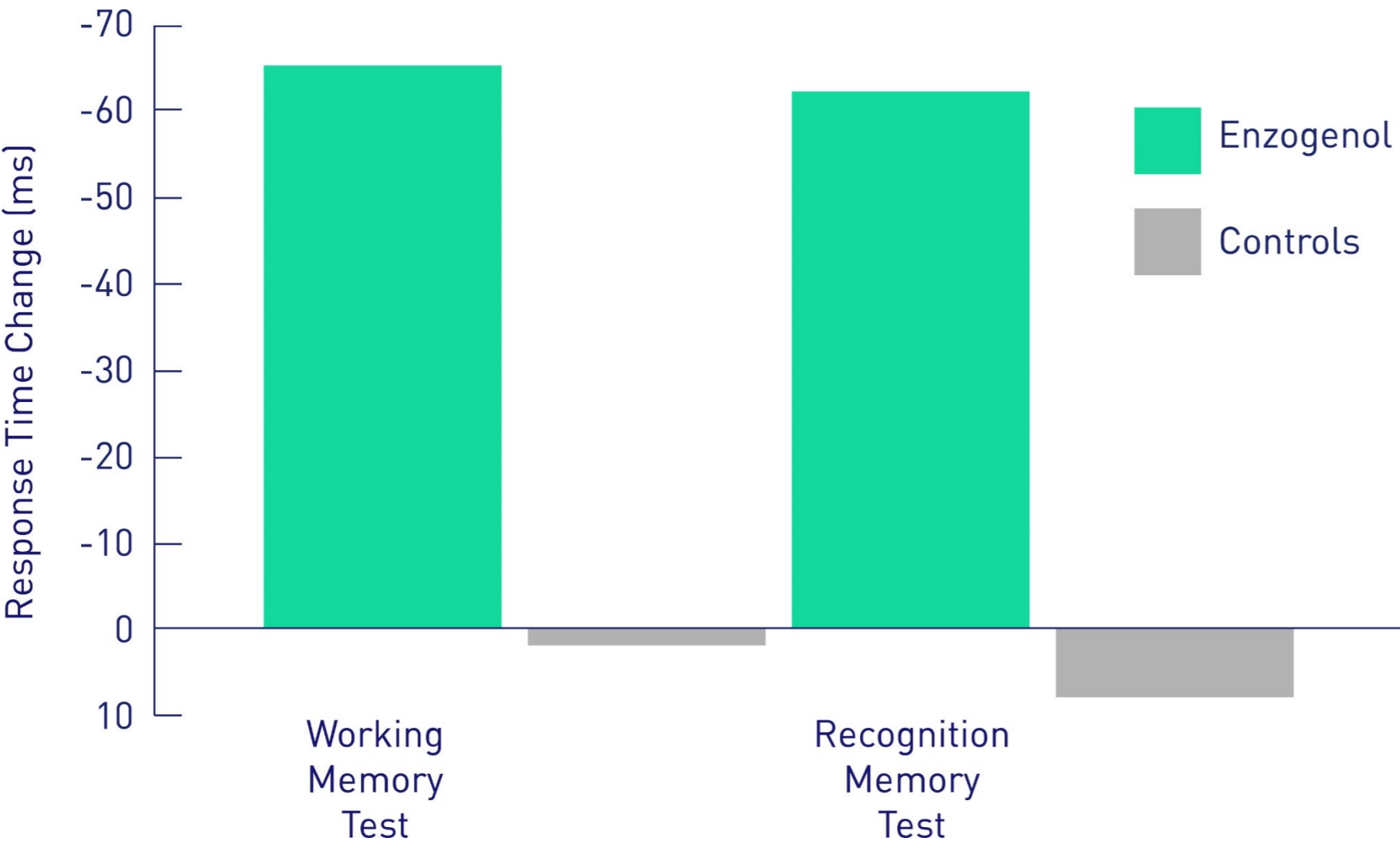


# Brain Function Benefits – 1

brain ageing / performance



## Improving Brain Function

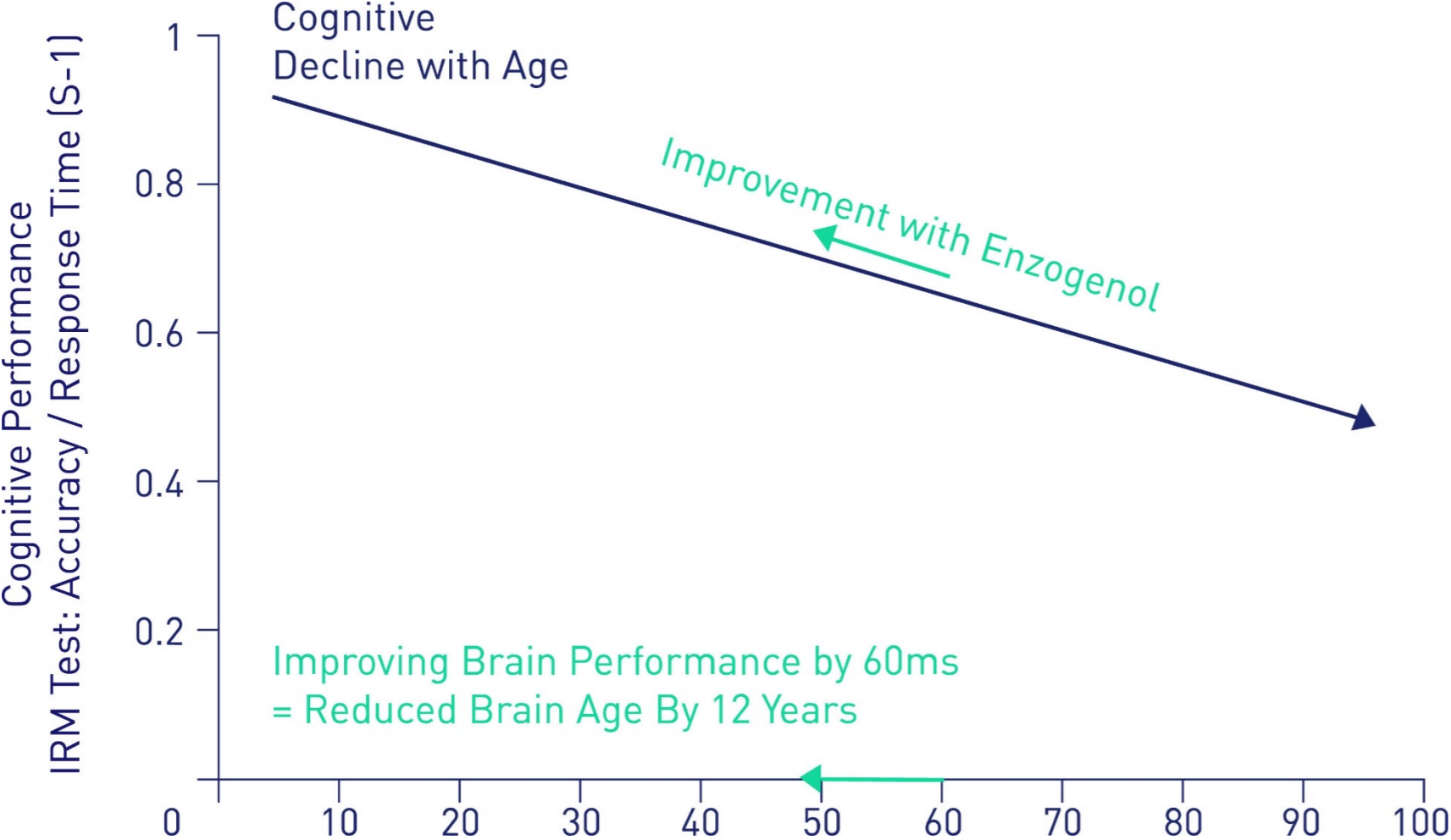
**Clinical study shows that Enzogenol improves cognitive functions.**

**5 weeks of 960mg Enzogenol vs Placebo significantly improved performance on cognitive tests.**

Pipingas, A., et al., 2008. Improved cognitive performance after dietary supplementation with a pinus radiata bark extract formulation. [Phytotherapy Research 22, 1168-1174.](#)

# Brain Function Benefits – 2

# brain ageing



**Improving Brain Function by up to 12 years of brain age recovered**

**The magnitude of improvement is equivalent to having a brain 7-12 years younger!**

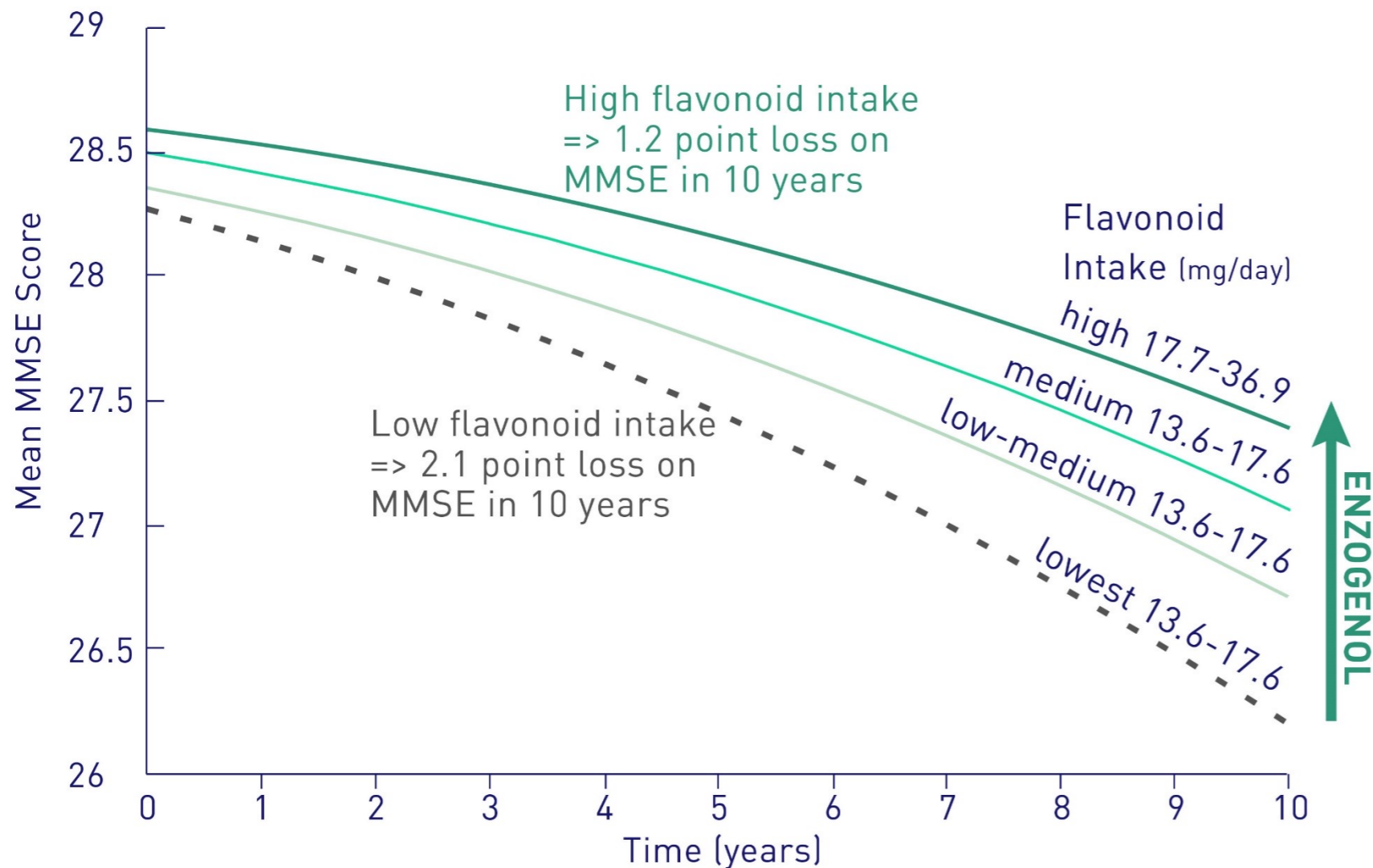
Pipingas, A., et al., 2008. Improved cognitive performance after dietary supplementation with a pinus radiata bark extract formulation. [Phytotherapy Research 22, 1168-1174.](#)

# Brain Function Benefits – 3

# brain ageing

## Flavonoid Intake and Cognitive Decline over a 10-Year Period

L. Letenneur<sup>1,2</sup>, C. Proust-Lima<sup>2,3</sup>, A. Le Gouge<sup>1,2</sup>, J. F. Dartigues<sup>1,2</sup>, and P. Barberger-Gateau<sup>1,2</sup>



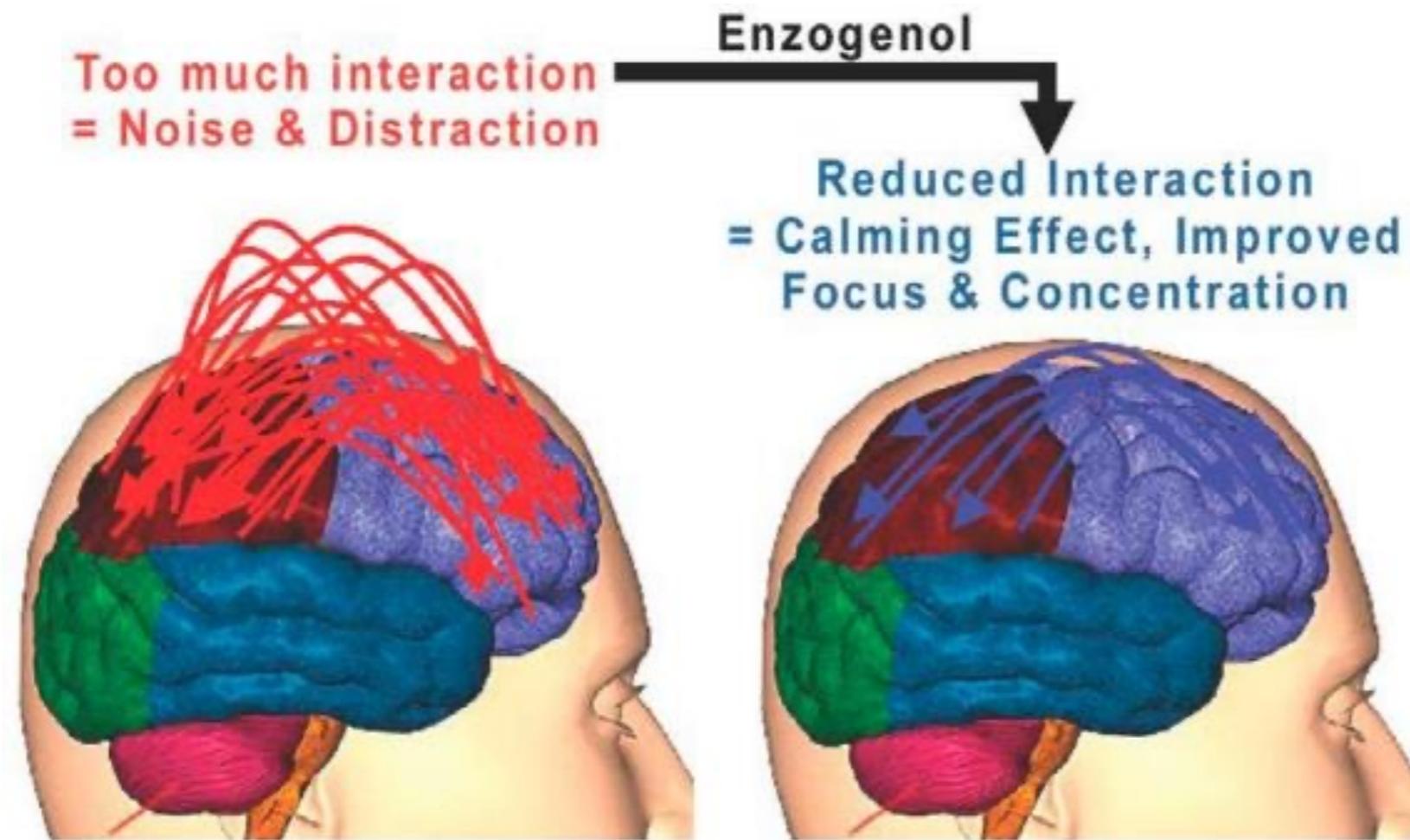
**Higher Flavonoid Intake =>  
Slower Cognitive Decline with  
Age**

**Epidemiological study shows  
that people with low intake of  
flavonoids experience double  
the cognitive decline than  
people with high intake of  
flavonoids.**

Letenneur, et al., 2007. [American Journal Of Epidemiology 165: 1364-1371.](https://doi.org/10.1093/aje/kwm036)

# Brain Function Benefits – 4

# brain performance



**Improving Brain Efficiency,  
Concentration & Attention**

**Brain electrical activity  
measurements show how  
Enzogenol helps the brain to  
focus and cut out distracting  
cognitive noise!**

Pipingas, A., et al., 2008. Improved cognitive performance after dietary supplementation with a pinus radiata bark extract formulation. [Phytotherapy Research 22, 1168-1174.](#)

## Brain Function Benefits – 5



**Dr. Leila Masson, Paediatrician:**

*“Enzogenol is a safe and effective nutritional for children on the spectrum that have*

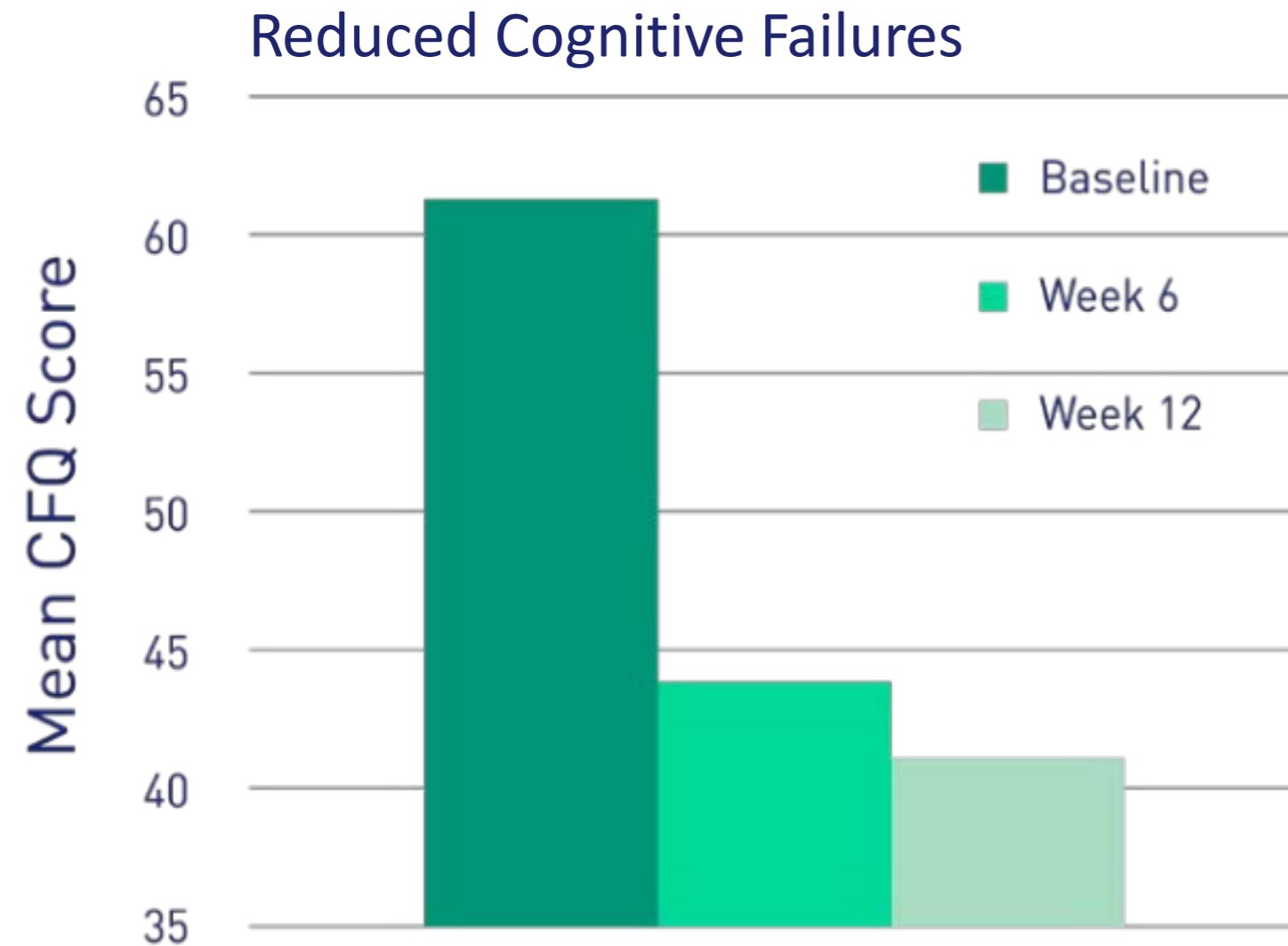
*problems with hyperactivity and concentration. I have noticed improvements within a few weeks of starting this potent antioxidant. Parents and teachers consistently report that the children are calmer and more focused. I recommend a trial of Enzogenol for any child with attention and behaviour issues.”*

## ADHD

**Improving ADHD**

**Integrative health professionals have discovered Enzogenol as an effective nutritional to support healthy attention and behaviour in children.**

# Brain Function Benefits – 6



# TBI / Concussion

## Improved Recovery of Brain Function after Traumatic Brain Injury (TBI)

Clinical study shows that Enzogenol reduces cognitive failures in people that have suffered a mild TBI.

6 wks of 1000mg Enzogenol vs Placebo significantly improved CFQ score.

Theodom A et al, 2013, Enzogenol for cognitive functioning in traumatic brain injury: a pilot placebo-controlled RCT. European Journal of Neurology 20: 1135–1144.

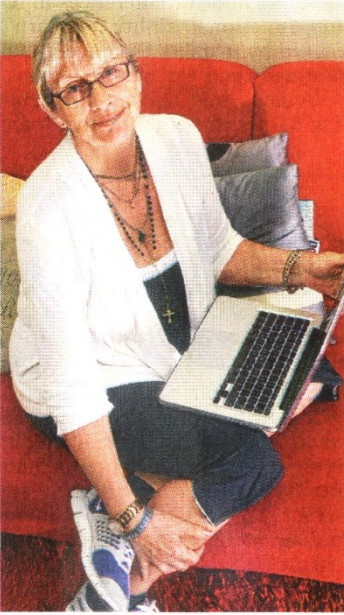
# Brain Function Benefits – 7

# TBI / Concussion

SUNDAY STAR★TIMES | NEWS A3  
November 20, 2011

## Pine-bark extract helps brain function

By SARAH HARVEY



On the improve: Ronny Franks.

RONNY FRANKS has spent the past year battling to regain her memory after suffering a traumatic brain injury when she tripped and hit her head on a wooden floor.

The Auckland woman, like thousands of others in New Zealand, suffers the daily frustrations of trying to remember what she did yesterday, trying to sleep with issues such as ringing in her ears, and learning to live with the difficulties and fears of a brain injury.

"I can't remember anything, not even what I did yesterday. I'll go to the cupboard and I can't remember why or what I want. It's frustrating and scary."

FRANKS, 64, a former Air New

Zealand assistant accountant, was one of 60 people who were recently involved in a study to test the effectiveness on brain injury of a supplement containing New Zealand pine bark extract.

The study, by a team of AUT University researchers, headed by Professor Valery Feigin, the director of AUT's National Institute for Stroke and Applied Neuroscience, and Dr Alice Theadom, found the antioxidant and anti-inflammatory effects of the extract meant people were three times more likely to recover their everyday memory than those who took a placebo.

Enzogenol, the name of the supplement, is a natural extract from the bark of New Zealand-grown pines.

The aim of the study was to explore its effectiveness in improving verbal and working memory, information processing speed, attention span, everyday memory difficulties and post-concussive symptoms in patients three to 12 months after a mild traumatic brain injury.

Theadom said the preliminary results indicated an improvement in day-to-day cognitive functioning.

"There was a significant improvement on the reporting of cognitive failures such as walking into a room and forgetting what you went in for, failure to remember names, forgetting directions on a familiar route, and forgetting to respond to correspondence."

Franks said the difference she noticed during the study was amazing. Each time she was interviewed she had to sit a random memory test, where she was asked to recall 20 items. When she started she could remember only the last four, but as the trial wore on she was able to remember all 20 each time.

"I was happy, I felt different – I felt very positive, I could just remember everything."

Feigin said 99 New Zealanders suffered a brain injury every day, including stroke, and traumatic brain injury was a leading cause of disability and death, costing the health system an estimated \$100 million a year. There are now plans for a full clinical trial.

## Ronny Franks Story participating in the TBI Trial

**Ronny said after the trial:  
" At first, I didn't realise I was concussed but after sleeping for two days, slurring my words and**

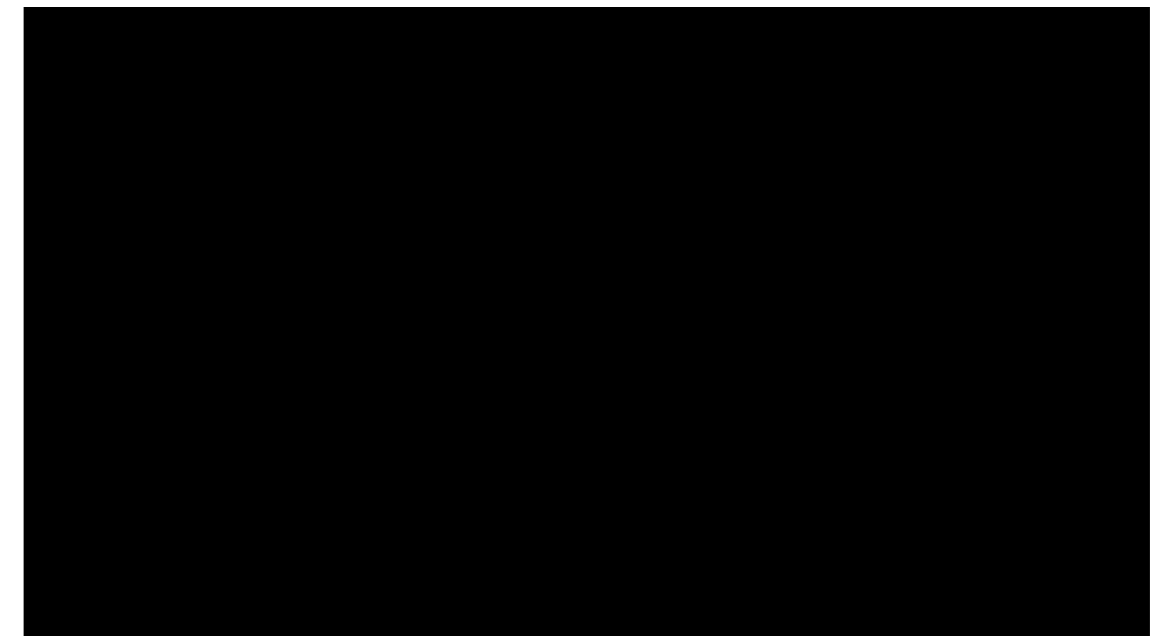
**having blurry eyes I went to the hospital. I was fortunate to be given the opportunity to be one of the 60 people who participated in a trial on Enzogenol. After just a couple of weeks on the trial there was a huge change. The difference was amazing – the clarity, the return of my memory – I felt happy and very positive. Being on the trial and having the opportunity to take Enzogenol was a lifesaver.**

# Brain Function Benefits – 8

# TBI / Concussion

## Improved Recovery after TBI

Watch Neville Boyes' story of recovery after suffering a TBI from a severe bicycle accident. ONE NEWS.



<https://www.youtube.com/watch?v=frNkon-vPQw>



# Brain Function Benefits – 9

Headache  
© 2006 by American Headache Society  
Published by Blackwell Publishing

ISSN 0017-8748  
doi: 10.1111/j.1526-4610.2006.00454.x

## **Use of a Pine Bark Extract and Antioxidant Vitamin Combination Product as Therapy for Migraine in Patients Refractory to Pharmacologic Medication**

Sirichai Chayasirisobhon, MD, FAAN

*Acta Neurol Taiwan 2013;22:13-21*

## **Efficacy of Pinus Radiata Bark Extract and Vitamin C Combination Product as a Prophylactic Therapy for Recalcitrant Migraine and Long-term Results**

Sirichai Chayasirisobhon

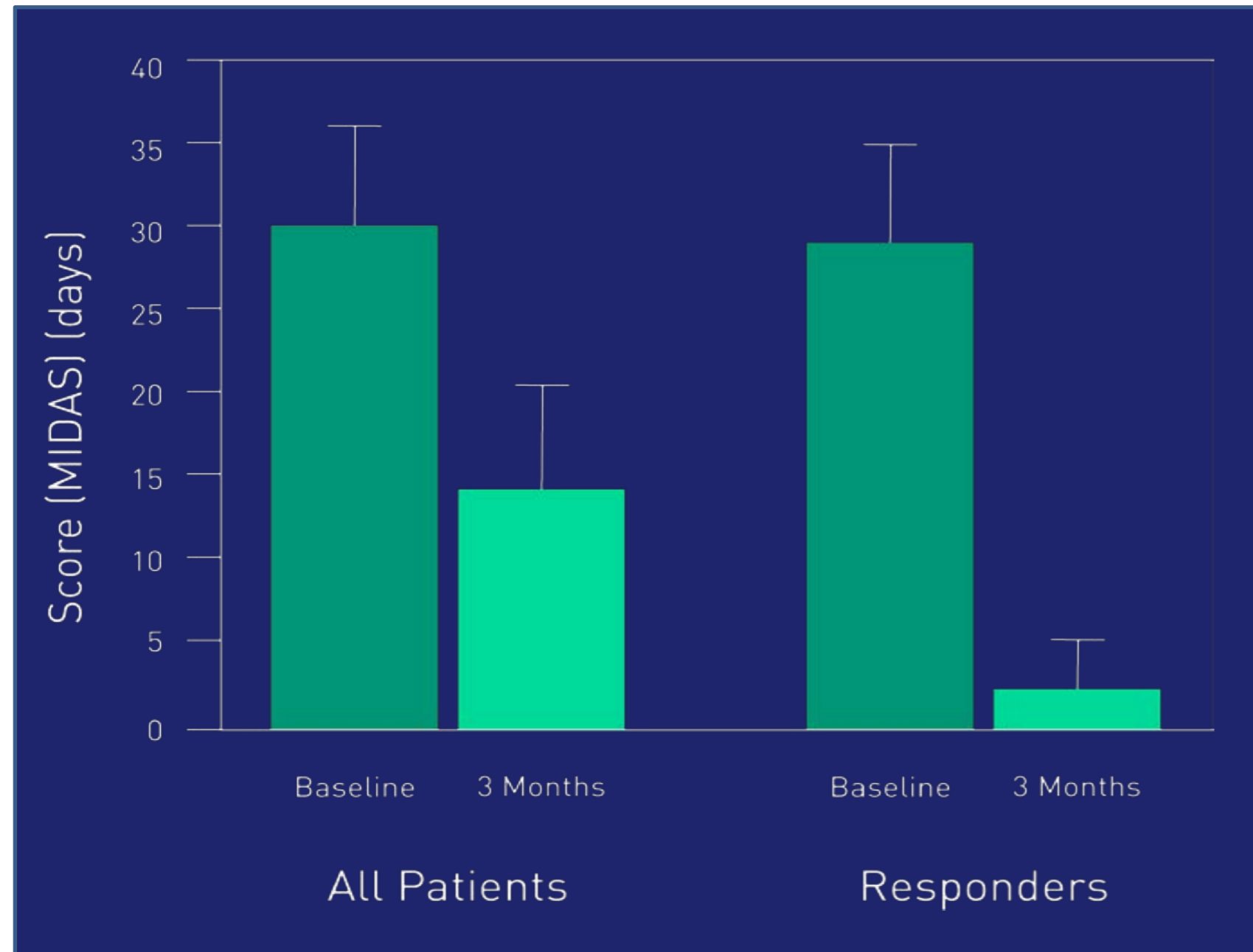
# Migraine

## **ENZOGENOL a Natural Therapy for Migraines**

### **Migraine Prevention Trials 2006 & 2013:**

- **Midas Score Reduced**
- **Headache Frequency Reduced**
- **Headache Severity Reduced**

# Brain Function Benefits – 10



# Migraine

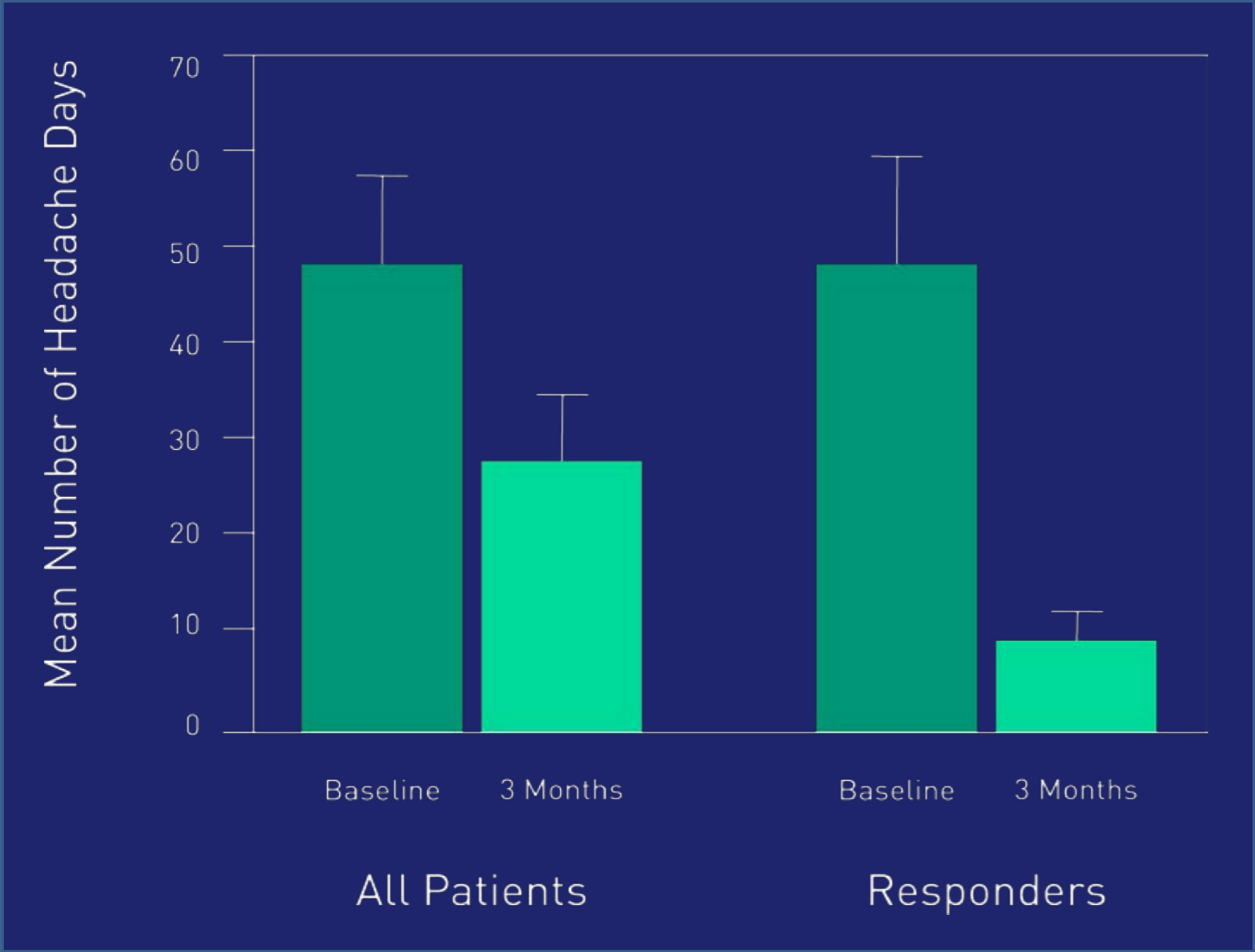
**ENZOGENOL a Natural Therapy for Migraines**

**29 out of 50 patients (58%) responded with highly significant improvements:**

**MIDAS (Migraine Disability Assessment Score) improved significantly within 3 months of taking 1200mg Enzogenol + 150mg Vitamin C.**

Chayasirisobhon, S. 2013. Acta Neurol Taiwan 22: 13-21.

# Brain Function Benefits – 11



# Migraine

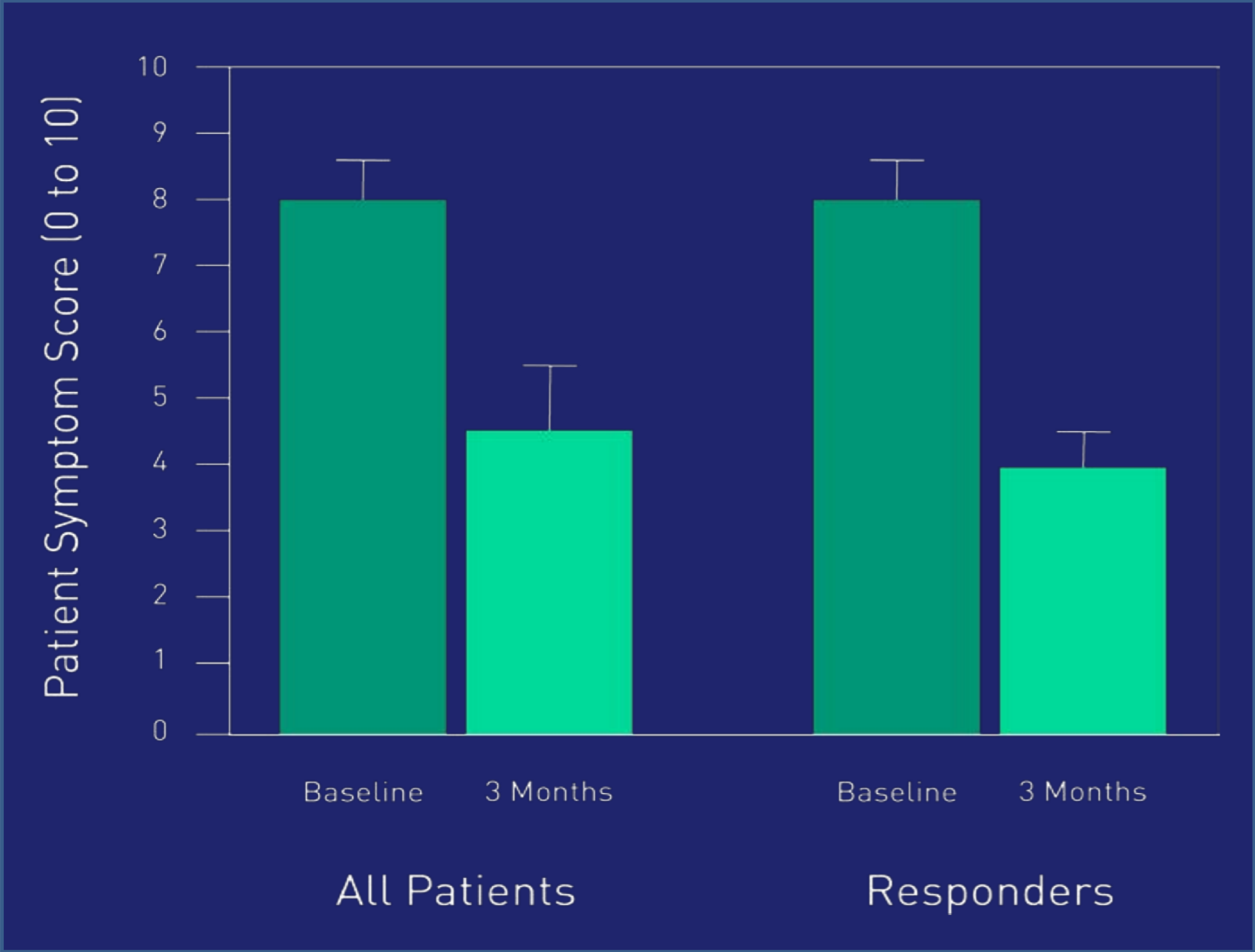
**ENZOGENOL a Natural Therapy for Migraines**

**On average there was a 46% reduction in number of headache days (all patients).**

**For the 58% of patients responding well the number of headaches reduced by approx. 80%.**

Chayasirisobhon, S. 2013. Acta Neurol Taiwan 22: 13-21.

# Brain Function Benefits – 12



# Migraine

**ENZOGENOL a Natural Therapy for Migraines**

**On average there was a 30% reduction in headache severity (all patients).**

**For the 58% of patients responding well headache severity was reduced by approx. 40%.**

Chayasirisobhon, S. 2013. Acta Neurol Taiwan 22: 13-21.

# Brain Function Benefits - 13

## Conclusions

### Clinical trials show how Enzogenol

- Helps to improve brain performance
- Helps to reduce functional brain age
- Helps focus & concentration, incl children with adhd
- Helps recovery from concussions, mild TBI
- Helps to prevent / reduce migraine headaches