



Magtein[®], a patented compound discovered by MIT scientists, uniquely rejuvenate the brain. Animal studies and human clinicals show improved cognitive health and function.

The brain naturally undergoes gradual structural and functional changes as we age. The good news is that the adult brain is capable of a greater degree of plasticity than scientists had previously believed. Research in animals has shown that old neurons were restored after taking Magtein, leading to an increase in synaptic density and improvements in attention, working memory, short- and long-term memory. A recent human clinical study showed that taking Magtein for three months improved brain age rating by an average of nine year and reduced stress.

Magtein has achieved remarkable results in aiding the fight against mild cognitive impairment due to aging and environmental conditions.

Magtein[®] Research Review

Magtein has been shown to improve memory, cognition, and reduce stress in both animal and human studies.

Animal Studies

Magtein[®] Improves Memory

Magtein was examined in animal models for its ability to improve memory. ^(1,2) The study showed Magtein could increase the learning ability, working memory, and short- and long-term memory in young and aged rats (**Figure 1**). Previous studies have shown that brain synaptic density directly correlated to age dependent memory loss. This study examined the mechanism for the improved memory, and demonstrated that the synaptic density of the brain cells was significantly improved when Magtein was administered. Ceasing use of Magtein decreased brain synapse density (**Figure 2**).

Magtein[®] Reduces Stress

Using an animal model of stress/fear conditioning, chronic Magtein intake was found to enhance significantly the ability of these animals to control fear-stress memory. Interestingly, prefrontal cortex / hippocampus, the brain regions known to control stress/fear, were also shown to be improved by Magtein intake. ^(3,4)

Human Clinical

Magtein intake significantly improved memory and reduced stress.

A randomized, controlled, double-blind study published in the Journal of Alzheimer's Disease ⁽⁵⁾ examined the effect of Magtein on cognitive ability in four cognitive domains: executive function, working memory, attention, and episodic memory at baseline, week 6, and week 12.

The most striking finding was that following 12 weeks of Magtein[®] use there was an average increase of 10.3±3.8% in TMT-B score, such that their score was close to that of their age-matched controls. The data demonstrates that Magtein[®] use was effective in subjects at improving cognitive ability, almost back to normal levels relative to age (equivalent to a nine year brain age improvement).

Magtein intake was also shown to significantly reduce stress and anxiety in the same group of people.

Figure 1: Enhancement of working memory by Magtein[®]



Aged animals were fed Magtein from day 0-30, and again from day 60. Magtein showed a significant improvement in performance. *p<0.05, *** p<0.001

Figure 2: Correlations between Magtein[®] intake and synaptic density

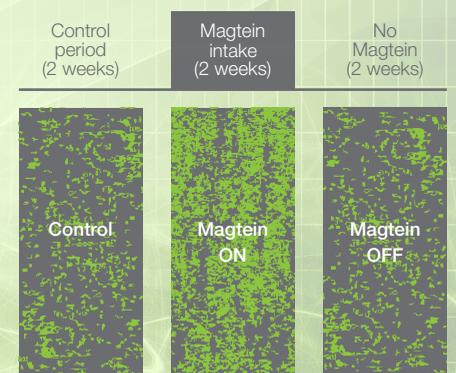
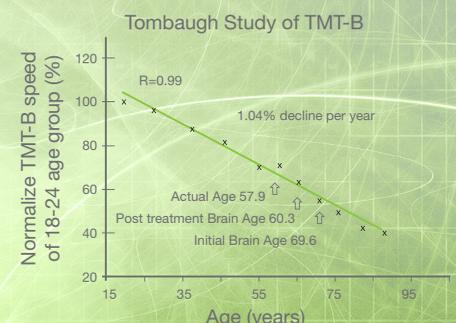


Figure 3: Magtein[®] Improves Brain Age Rating



Market Segments

Cognitive & Brain Health. In the last century, life expectancy has grown from an average of 47 years to 77 years. With this dramatic increase, more people are dealing with mild cognitive decline from aging than ever before. Memory loss affects all ages but is most predominant in the elderly.

Stress. The increasing demands of daily life will continue to cause a dramatic growth in stress. Stress is a major contributor to poor cognitive health.

Relaxation And Sleep. According to the National Institute of Health, more than 70 million people in the U.S. are affected by sleep troubles.



BENEFITS

- » **FDA GRAS**
- » **Completely soluble in water**
- » **Odorless, tasteless and colorless**
- » **A non-GMO compound**
- » **Ideal for the nutritional and functional beverage market**



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Magtein
Think clearly

Publications:

1. Slutsky, L., et al., Neuron. 2010 Jan 28;65(2):165-77. One of the three most downloaded Neuron articles in 2010
2. Li, W., et al., J Neurosci. 2013. 33(19): p8423-41
3. Abumaria N., et al., Journal of Neuroscience 2011 Oct, 31(42:14871-14881).
4. G.A., et al., Pharmacol Biochem Behav. 2013 Mar 6;106C:16-26.
5. Guosong, L., et al., Journal of Alzheimer's Disease 49 (2016) 971-990.

Magtein® Is Available Exclusivity From AIDP, Inc.

Magtein is protected under 8 issued US patents and other pending US and International patents

Magtein is a registered trademark of Magceutics Inc.

Testimonials

"I've been taking this product as recommended for about 3 months. I noticed that my mind was much clearer and more focused and alert within a day or two after taking my first dose. Before taking this product I felt the need to take a nap almost every afternoon. That need is now gone."

"I have been taking Magtein for about two months and definitely feel that my brain is sharper and firing on all cylinders. It helps my work and I think and act more quickly. I will make it one of my daily supplements indefinitely. Brain fog? Gone!"

"Magtein helps me to sleep deeper and feel refreshed in the morning. This is a very good feeling as compared to taking a sleeping pill, which often makes me drowsy in the morning."

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.


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