

Jellyfish Collagen: 'Super Food' for the Brain

Essential amino acids & other macroelements modulate the gut-microbiome-immune-brain axis to support cognitive function

Our Amazing Brains

The human brain has ~100 billion neurons that communicate to each other using special chemicals called neurotransmitters that enable us to think, learn and create or recall memories.¹ Many neurotransmitters are made from amino acids.

• The average brain is believed to generate up to 50,000 thoughts per day.²



• The brain can process an image the eyes have seen for as little as 13 milliseconds — less time

than it takes to blink.³

• The human brain is capable of 1,016 processes per second, making it far more powerful than any computer.⁴

Cognitive Decline May Begin Early

Mild cognitive impairment characterized by problems with memory, language, thinking or judgment may begin early and continue throughout life. A study in *Neurobiology Aging* found that:

- Starting at age 27 there is a detectable decline in some cognitive skills, such as the ability to make rapid comparisons or remember unrelated information.⁵
- Age 37 is when average memory declines can be detected.⁶
- **Two-thirds** of Americans experience some level of cognitive impairment at an average age of 70 years.⁷

...... No Single Cause of Decline

Age, genes and certain lifestyle factors have been linked to an increased risk of cognitive change.

Smoking | Obesity | Depression | Lack of Sleep or Physical Exercise | Poor Diet | Environmental Factors

The Collagen Solution

The benefits of collagen for joints, skin and beauty are well known. Jellyfish collagen (containing types I, II, V) is unlike any other and the only collagen containing all 20 essential and nonessential amino acids and other macroelements. It is serotonin production, induction of immune response, improvement in gut barrier function, for enteric nervous system function and central nervous system communication.⁹ Known as "enterosymes," these molecules modulate the function of the enteric nervous system and drivers of intestinal inflammation leading to associated phenotypes like insulin resistance and hyperglycemia.¹⁰

especially rich in three amino acids (glutamic acid, serine and tryptophan) that control homeostasis of the gutmicrobiome-immune-brain axis.⁸ These amino acids are the building blocks for

Introducing KollaJell[™] ······

The only collagen rich in essential amino acids

system, and young-looking skin. KollaJell is

and other macroelements essential for maintaining

mental clarity and brain function, a strong immune

believed to work like a prebiotic to modulate the gut microbiota and the enteric nervous system.

KollaJell, is a patented peptides of jellyfish collagen types I, II, and V that support brain and cognitive health, gut and immune health, and skin health and anti-aging. KollaJell is responsibly sourced from wild caught, edible COLLAGEN jellyfish.

> BRAIN SUPPORT ·

SHARPER MIND

MENTAI CLARIT

FOCUS

ESSENTIAL MINERALS

CELL PERMEABLE

CLEAN LABELING

> NO FILLERS OR EXCIPIENTS

All Essential Amino Acids ····

Amino acids are literally the building blocks of life. In the brain, individual amino acids (e.g., glutamate, glycine) are neurotransmitters and bind together to form larger neurotransmitters called neuropeptides (e.g. endorphins). Amino acids are essential for the production of many other biologically important molecules. **Tryptophan**, for example, is converted into the neurotransmitter serotonin. Tyrosine is synthesized into dopamine, norepinephrine & epinephrine.

Rich in Macronutrients

KollaJell contains natural neuroprotective antioxidants, vital macronutrients and calcuimbinding proteins not found in any other type of collagen. These include: sodium, potassium, phosphorus, chloride, copper, calcium, magnesium, manganese, sulfur, zinc, iron and silicon. KollaJell also holds up to 200% more water than traditional collagen.

KollaJell Rejuvenates Skin Health

KollaJell also helps maintain smooth, healthy skin that resists aging. KollaJell has hydratingminerals, mucopolysaccharides and collagen types I and V that play critical roles throughout the body, including in the skin and organs. Type I collagen represents 90% of the collagen in the skin where it preserves skin firmness and elasticity. Type V is a collagen fibril found in the dermal and epidermal layers where it helps facilitate strong skin.

Non-GMO | Non-Irradiated | Non-ETO | TSE/BSE-Free Alum-Free | Pesticide-Free | Soy/Gluten-Free



Learn More KollaJell can be formulated into most foods, beverages and supplements. Visit us at <u>www.infinitinutraceuticals.com</u>

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