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# Marine Collagen Peptides

**Collagen is a major component of the human body. About 30% of our total body protein is collagen.**

Marine Collagen peptides have been scientifically proven to improve skin elasticity, strengthen nails, reduce wrinkles and cellulite.




**If taken regularly, Collagen Peptides can visibly reduce the depth of wrinkles and the skin gains in moisture and tone.**

### **Scientific studies show...**

- Stimulates collagen metabolism
- Essential for healthy skin, nails and hair
- Reducing cellulite
- Healthy joints
- Improves mobility
- Reduction of joint pain
- Improves elasticity of tendons and ligaments
- Promotes growth of cartilage tissue
- Improves osteoarthritis
- Reduces exercise induced stiffness
- Can improve bowel function

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“Oral Marine  
Collagen  
Peptides  
significantly  
increased skin  
elasticity in  
4 weeks”

“does what no  
cream can do...”

Marine Collagen Peptides not  
only stimulates the growth  
of new collagen in the skin,  
but also in the deeper  
layers of the dermis

The Beauty within...





## The natural ageing process.

Nowhere in our body is aging more apparent than in our skin.

The ageing process of skin often starts in our mid twenties as our collagenous connective tissue begins to recede and store less moisture.

Wrinkles appear in our thirties and continue to become more apparent and deeper. By the age of fifty, cheeks sink and the skin becomes thinner and softer.

By the time we get to 45 we have lost approximately 30% of our collagen storage.

Every year after the age of 25, we lose 1.5% of our body's storage of collagen. When collagen is lost, the functional characteristics of your tissues are lost e.g. skin loses elasticity leading to less pliability and wrinkles, epidermal thinning, dryness, bruising and impaired healing.





“abilities in skin  
repair and tissue  
regeneration.”


“Demonstrated  
efficient anti-  
photoaging  
activity.”

Marine fish-derived collagen  
has been utilized for the  
development of cosmeceutical  
products due to its abilities  
in skin repair and  
tissue regeneration.

Marine fish-derived peptides  
have also been utilized  
for various cosmeceutical  
applications due to their  
antioxidant, antimicrobial,  
and matrix metalloproteinase  
inhibitory activities.

In addition, marine fish-derived  
proteins and hydrolysates  
demonstrated efficient anti-  
photoaging activity.





Collagen is one of the most important building blocks of the skin and accounts for 80% of its dry weight.

If taken regularly, Collagen Peptides visibly reduce the depth of wrinkles, and the skin gains in moisture and tone.

This effect cannot be achieved with any topical skin treatment. Although creams can be helpful to the skin, oral Collagen Peptides get easily absorbed into the blood stream and heal from the inside.

The amino acids in the Collagen Peptides can provide immediate building blocks to stimulate the repair of tissue.

However, their more profound role is to act as a cell signaller and up-regulate gene expression, stimulating the healing process by actually growing new tissue.

**Collagen makes up approximately 70% of the body's cartilage dry mass. As a primary constituent it plays a key role.**

Collagen peptides has been scientifically proven to stimulate the synthesis of new joint cartilage tissue mass. It's the perfect natural and effective way to protect and regenerate joint cartilage.

The stimulating effects of these collagen peptides on cell growth in skin, joints, tendons, ligaments and bones has been demonstrated in numerous scientific studies. Collagen Peptides are therefore a valuable source of essential and non-essential amino acids.

The Journal of Cosmetic Dermatology (Dec, 2017) reported that oral supplementation with specific bioactive collagen peptides improves nail growth and reduces the symptoms of brittle nails.

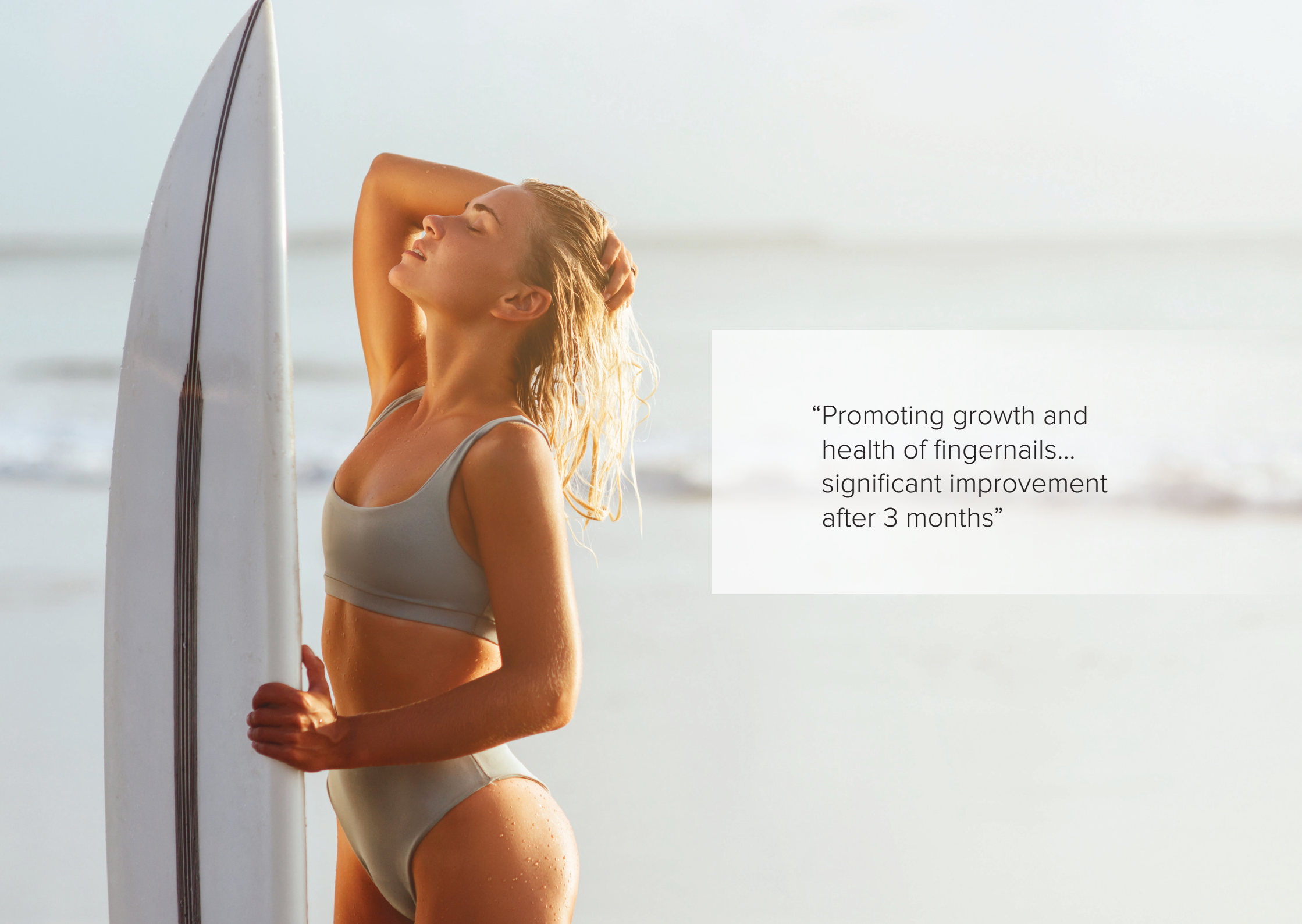
Brittle nail syndrome is a common problem among women and refers to nails that exhibit surface roughness, raggedness, and peeling.

Bioactive collagen peptides treatment promoted an increase of 12% nail growth rate and a decrease of 42% in the frequency of broken nails. Additionally, 64% of participants achieved a global clinical improvement in brittle nails, and 88% of participants experienced an improvement 4 weeks post-treatment.

The majority of participants (80%) agreed that the use of Marine Collagen improved their nails' appearance, and were completely satisfied with the performance of the treatment.

This study demonstrated that the daily ingestion of BCP increased nail growth and improved brittle nails in conjunction with a notable decrease in the frequency of broken nails.





“Promoting growth and  
health of fingernails...  
significant improvement  
after 3 months”





## Collagen dry matter and types of various tissues

<b>Bones</b>	90% of the organic matrix of bone; 25% collagen of the entire bone mass
<b>Skin</b>	70% collagen
<b>Joint cartilage</b>	70% collagen
<b>Ligaments</b>	70% collagen
<b>Tendons</b>	85% collagen
<b>Fasciae</b>	70% collagen
<b>Muscle tissue</b>	6% collagen

<b>Other tissue such as:</b>	Gastrointestinal tract, periodontium (tooth holding apparatus) Eyes, ears, nose Blood vessels, lungs Blood-brain barrier
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## Growing new tissue

There are special cells in our body that are responsible for Collagen formation.

<b>Chondrocytes</b>	Collagen formation in joint cartilage
<b>Fibroblasts</b>	Formation of Collagen in the skin, ligaments and tendons
<b>Osteoblast</b>	Formation of Collagen in the bone

Many people experience some improvement in symptoms in as little as 2 weeks. Collagen peptides are free from purines, lactose, gluten and contain no known allergens.





**Collagen peptides should be given high priority in any nutritional supplemental program.**

Collagen Peptides contain a high concentration of the amino acids glycine, hydroxyproline and hydroxylysine which are often low in many diets.

The stimulating effects of these collagen peptides on cell growth in skin, joints, tendons, ligaments and bones has been demonstrated in numerous scientific studies. Collagen Peptides are therefore a valuable source of essential and non-essential amino acids.

**“Significantly reduces the cellulite score”**

**“reduces the waviness of the skin, with first results visible after 3 months, but more pronounced after 6 months”**

[www.ncbi.nlm.nih.gov/pmc/articles/PMC4685482/](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4685482/)

**Dietary Supplementation with Specific Collagen Peptides Has a Body Mass Index-Dependent Beneficial Effect on Cellulite Morphology**





Hair  
Regrowth

## Symptoms of Collagen Deficiency

Insufficient collagen levels may show up as the following:

- Problems with GI tract lining, including IBS and “leaky gut”
- Premature aging (wrinkles, crepey skin, sagging skin)
- Dry skin
- Brittle nails
- Cellulite
- Stiff, inflexible joints
- Joint pain
- Issues with tendons or ligaments
- Weak muscles or loss of muscle mass
- Poor Bone Mineral Density (BMD) reports
- High blood pressure (due to inflexible blood vessels)





# Marine Collagen

*Photo by Lanie Sims Photography*

## **Dr Dennis Vander Kraats**

**Chinese Medicine Practitioner, Naturopath & Acupuncturist**

B.A., N.D., Dip.Acup., D.B.M

**08 9447 7868**

**dennis@vdk.com.au**

**vdk.com.au**

Australian Health Practitioner Regulation Agency

Government Registration Number: CMR00017122128

Fellow: Australian Acupuncture & Chinese Medicine Association Ltd (AACMA)

Member: Australian Traditional Medicine Society (ATMS)

National Herbalist Association Australia (NHAA)