

## Allikad

- [1] De Luca C, et al. Skin Antiageing and Systemic Redox Effects of Supplementation with Marine Collagen Peptides and Plant-Derived Antioxidants: A Single-Blind Case-Control Clinical Study. *Oxid Med Cell Longev*. 2016;2016:4389410.
- [2] [Ichikawa, S. et al., 2010, Hydroxyproline-containing dipeptides and tripeptides quantified at high concentration in human blood after oral administration of gelatine hydrolysate. \*International Journal of Food Sciences and Nutrition\*, 61 \(1\):52-60](#)
- [3] [Shigemura, Y. et al., 2014, Dose-dependent changes in the levels of free and peptide forms of hydroxyproline in human plasma after collagen hydrolysate ingestion, \*Food Chemistry\*, 159:328-332](#)
- [4] De Luca C, et al. Skin Antiageing and Systemic Redox Effects of Supplementation with Marine Collagen Peptides and Plant-Derived Antioxidants: A Single-Blind Case-Control Clinical Study. *Oxid Med Cell Longev*. 2016;2016:4389410.
- [5] Inoue N, Sugihara F, Wang X. Ingestion of bioactive collagen hydrolysates enhance facial skin moisture and elasticity and reduce facial ageing signs in a randomised double-blind placebo-controlled clinical study. *J Sci Food Agric*. 2016;96(12):4077-81.
- [6] Asserin J, et al. The effect of oral collagen peptide supplementation on skin moisture and the dermal collagen network: evidence from an ex vivo model and randomized, placebo-controlled clinical trials. *J Cosmet Dermatol*. 2015;14(4):291-301.
- [7] Murad et al *Proc.Natl.Acad.Sci.USA* 78(5)
- [8] Boyera et al. Effect of vitamin C and its derivatives on collagen synthesis and cross-linking by normal human fibroblasts. *Int J Cosmet Sci*. 1998; 20 (3): 151-8.
- [9] Kostyuk VA, Potapovich AI. Antiradical and chelating effects in flavonoids protection against silica induced cell injury. *Arch Biochem Biophys* 1998 Jul 1;355(1):43-8
- [10] Escarpa A, Gonzalez MC. High performance liquid chromatography with diode-array detection for the determination of phenolic compounds in peel and pulp from different apple varieties. *J Chromatogr A*. 1998 Oct 9;823(1-2):331-7
- [11] Clement D L. Management of venous edema: insights from an international task force. *Angiology*. 2000; 51:13-17
- [12] [Balakrishnan, Menon](#). Effect of hesperidin on matrix metalloproteinases and antioxidant status during nicotine-induced toxicity. [Toxicology](#). 2007; 238 (2-3): 90-8.
- [13] Choi et al. Hesperidin inhibits expression of hypoxia inducible factor-1 alpha and inflammatory cytokine production from mast cells. *Mol Cell Biochem*. 2007; 305: 153-61.
- [14] Oe M, et al. Oral hyaluronan relieves knee pain: a review. *Nutrition Journal*. 2015;15:11.

- [15] Oe M, et al O. Oral hyaluronan relieves wrinkles: a double-blinded, placebo-controlled study over a 12-week period. *Clin Cosmet Investig Dermatol*. 2017;10:267-273.
- [16] Kawada C, et al. Ingested hyaluronan moisturizes dry skin. *Nutrition Journal*. 2014;13:70.
- [17] Tashiro T, et al. Oral Administration of Polymer Hyaluronic Acid Alleviates Symptoms of Knee Osteoarthritis: A Double-Blind, Placebo-Controlled Study over a 12-Month Period. *The Scientific World Journal*. 2012;2012:167928.
- [18] Roman et al. Bioactive compounds and antioxidant activity of *Rosa canina* L. biotypes from spontaneous flora of Transylvania. *Chem Cent. J*. 2013; 7: 73
- [19] Tumbas et al. Effect of rosehip (*Rosa canina* L.) phytochemicals on stable free radicals and human cancer cells. *J Sci Food Agric*. 2012 Apr; 92 (6): 1273-81
- [20] Winther, K, Apel, K, Thamsborg, G., A powder made from seeds and shells of a rose-hip subspecies (*Rosa canina*) reduces symptoms of knee and hip osteoarthritis: a randomised, double-blind placebo-controlled trial. *Scand J Rheumatol*. 2005 Jul-Aug; 34 (4): 302-8
- [21] Schwager et al. A novel rose hip preparation with enhanced anti-inflammatory and chondroprotective effects. *Mediators Inflamm*. 2014; 2014: 105710
- [22] Hess JR, Greenberg NA. ‘The role of nucleotides in the immune and gastrointestinal systems: potential clinical applications
- [23] Verkerk R. ‘Nucleotides: Speculation on lifestyle-Induced Essentiality’. *NHD Magazine*. 2011: 67:29-32
- [24] Tiku et al. Glucosamine prevents in vitro collagen degradation in chondrocytes by inhibiting advanced lipoxidation reactions and protein oxidation. *Arthritis Res Ther*. 2007; 9 (4) :R76.
- [25] Boniface, Robert. Effect of anthocyanins on human connective tissue metabolism in the human. *Klin Monbl Augenheilkd*. 1996; 209(6): 368-72.
- [26] Grimm et al. Inhibition of NF- $\kappa$ B activation and MMP-9 secretion by plasma of human volunteers after ingestion of maritime pine bark extract. *Journal of Inflammation*. 2006; 3: 1.