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The silicon concentration in the blood changes according to the stages of life



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ORGONO[®] SILICA Sources of Silicon

Are they always equal? A clinical study

Silicon in the form of monomethylsilanetriol (MMST) and silicic acid {OSA) show the highest bioavailability. Alexia Rich (Pty) Ltd only utilise MMST in their silica supplements.



The comparative absortion of silicon from different foods and food supplements Sripanyakorn S, et al, Br J Nutr, 2009



In 2009 significant differences were reported in the bioavailability of silicon, when comparing foods and silicon-rich food supplements. They found that monomethylsilanetrlol (64%) and silicic acid (43%) were the sources of silicon with greater bioavailability.



Clinical applications

Preclinical and clinical investigations have focused on evaluating the effect of silicon on cellular nutrition and health maintenance.



Anderson OF, et al, Universidade federal de Juiz de Fora, 2018. - Schmidt K, VitaMinSpur 1998. Jugdaohsingh R, et al, Osteoporos Int 2015. Rodella LF, et al, J Nutr Health Aging 2014.

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Clinical applications

Studies have reported that Silicon, together with aluminium, has the ability to form aluminosilicate complexes and this contributes to ease its elimination from the body.

Aluminium is excreted in urine as aluminosilicate and it has been observed that the concentration of aluminium decreases in the body and increases in urine after the administration of food supplements with silicon.

Silicon has been proposed as an alternative for the prevention and control of neurodegenerative diseases associated with the accumulation of aluminium in the nervous system.



Aluminium has been associated with:

Chronic Fatigue Syndrome

Osteodystrophy (defective mineralization) Macrophagic myofasciitis associated with vaccines Heterogeneous symptoms of autistic spectrum disorders Negative effects on hematopoiesis (related to iron) Oxidative stress in nervous tissue (Alzheimer's, Parkinson's, Multiple Sclerosis)



Li, et al, Metal Ions and Alzheimer's Disease 2017. . Jones, K, EBioMedicineet 2017. Beardmore J, et al, Scientific Reports 2016. Noremberg, et al, Biol Trace Elem Res 2016. Maya S, et al, Biomedicine & Pharmocotherapy 2016.

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Clinical applications

The administration of exogenous silicon reduces oxidative stress. The reduction of cellular oxidation, less synthesis of free radicals and a reduction of inflammation have been observed as a result of it.

Silicon helps maintain the balance of biometals such as iron, copper, zinc, manganese, magnesium and calcium, and helps to eliminate toxic metals such as aluminium.



Li, et al, Metal Ions and Alzheimer's Disease 2017. Gonzalez M, et al, Food and Chemical Toxicology 2008. Najda J, et al, Biological Trace Element Research 1993.



ORGONO® SILICA Outcomes of the research

Evaluation of Alexia Rich Orgono® on health parameters

Increased collagen synthesis and calcium deposition

Alexia Rich Orgono[®] products favour the synthesis of collagen in fibroblast cells and calcium deposition during osteoclast differentiation.

Dermological effects of Alexia Rich Orgono ® products

Double-blind, randomized, placebo-controlled clinical trial in healthy women



5 mgs of silicon were administered during 150 days, to evaluate the dermatological effect

Transonychial evaluation of water in nails: Increased hydration in hands 24-28% and in feet 26.32%



Evaluation of multispectral images of the skin: 46-75% improvement in wrinkles, 40% less UV spots, 50•54% increase in eyelash length



Evaluation of Silicium in Joints and removal of Aluminium

Recovery of joint pains

The combination was evaluated on two Orgono[®] silica products — silicon was administered orally, and topically in the form of gel.

100% of subjects recovered the ability to perform daily activities	77% of subjects had decreased joint pain
87% Greater ease in the movement of joints	33-57% of discomfort in the joints disappeared
83% Better quality of life	Significantly improves sleep quality <0.05

Removal of Aluminium in the hair

5mg /12 h silicon effect in Aluminium removal (150 days of treatment)

Evaluation minerals of hair by ICP-OES Silicon increased 6.4% while Aluminium decreased 4-7%





Stories shared in 10 years of experience

 Imperfect osteogenesis Diagnosed from birth Multiple fractures in childhood Starts with 10mg of Silicon per day After 12 months of consuming Silicon, recovers bone density For 15 years, he has maintained the intake of silicon, leads a normal life, has not undergone fractures and has normal bone density 	 Rheumatoid arthritis Woman, 65 years, typical symptoms Failed treatment: cortisone AR Oral silicon 10 ml/8h, three months Application of silicon gel topically Complete remission of pain Recovery of emotional, physical and emotional stability She stopped using cortisone
 Multiple sclerosis 29 year old woman Early diagnosis, presented crisis every 2-3 months The doctor indicates the administration of silicon to reduce the crisis After the intake of silicon the crises are reduced to zero for 2 years 	 Crohn's disease Disease for more than 10 years Treatment: cortisone in high doses In 1999 he decided to try silicon 6 months later he had no symptoms Continues with maintenance silicon In 2012 the colonoscopy shows the total disappearance of the disease To date, continues without relapses and with silicon intake
 Thyroid nodule Prognosis: uncertain Proposed treatment: lobectomy Symptoms: fatigue, irritability, insomnia Choose as an alternative to treat with silicon orally and topically One month after the silicon intake the nodule disappeared Continues with silicon and has had no relapses 	You can consult THE WEBSITE to find more clinical reports shared directly These clinical cases were obtained from the website: www.benefitsofsilica.com



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