

MEMBRASIN®

MOISTURE

SBA24® Sea Buckthorn Oil*



SBA24 Sea Buckthorn Oil: postmenopausal women

Effects of SBA24 Sea Buckthorn Oil on vaginal atrophy were investigated in a double-blind, randomized, placebo-controlled study at the Gynecological Center of Turku, Finland¹. A total of 116 postmenopausal women experiencing symptoms of vaginal dryness, itching, or burning were randomized to receive 3 g of SBA24 or placebo daily for three months.

Compared to placebo, there was a significantly better rate of improvement in the integrity of vaginal epithelium in the SBA24 oil group (odds ratio = 3.1; 95% confidence interval 1.11-8.95; Figure 1). There was a tendency (P=0.08) toward improvement of vaginal health index from baseline to end in the SBA24 oil group (mean change from baseline +0.8 (sd 2.8)) compared to placebo (-0.1 (sd 2.0)).

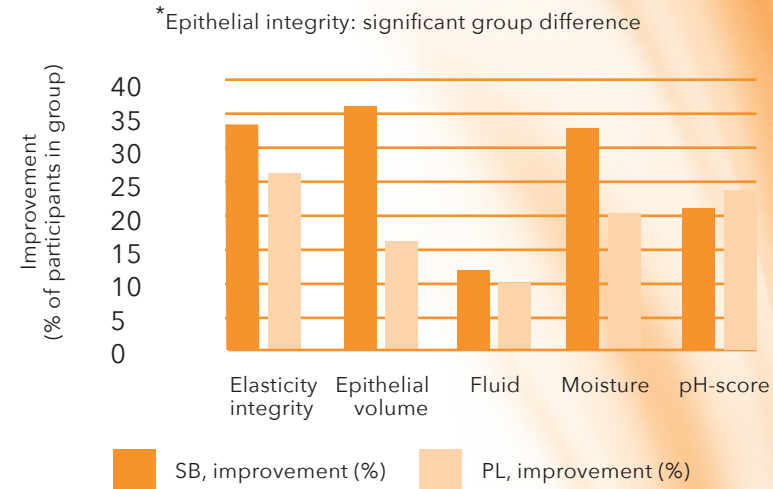


Figure 1. Changes in vaginal elasticity, epithelial integrity, fluid volume, moisture, and pH-score during the three months intervention: percentage of participants with improvement in SBA24 sea buckthorn oil (SB) and placebo (PL) groups

SBA24 Sea Buckthorn Oil: Sjögren's syndrome patients

Effects of SBA24 Sea Buckthorn Oil on symptoms of Sjögren's syndrome, an auto-immune disease associated with dry mucous membranes, were investigated in a double-blind, randomized, placebo-controlled cross-over study at the Gynecological Center of Turku². During the study periods of three months the participants, 23 women with Sjögren's syndrome, consumed daily 3 g of SBA24 sea buckthorn oil or placebo. A significantly greater proportion of the participants taking the SBA24 oil capsules compared to placebo reported improvement in the experience of symptoms of genital mucous membranes (P<0.01).

References

- 1) Larmo P, Yang B, Hyssälä J, Kallio H, Erkkola R (2014) Effects of sea buckthorn oil intake on vaginal atrophy in postmenopausal women: A randomized, double-blind, placebo-controlled study. *Maturitas*; 79: 316-321
- 2) Yang B, Erkkola R. (2008) Sea buckthorn oils, mucous membranes and Sjögren's syndrome with special reference to latest studies. In: Singh et al., editors. *Seabuckthorn (Hippophae L.). A Multipurpose Wonder Plant. Vol. III: Advances in Research and Development*. New Delhi, India: Dya Publishing House; p.254-267

*Nutritional supplement: contains beta-carotene, a source of Vitamin A, which contributes to the maintenance of normal mucous membranes and skin



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MEMBRASIN®

VAGINAL VITALITY CREAM

Sea Buckthorn Oil (3%)
Sodium hyaluronate (0.1%)
Lactic acid (1%)*



Effects of Membrasin Vaginal Vitality Cream on mucous membranes of intimate area were investigated in a randomized, controlled, open study at Gynecological Center of Turku, Finland. The participants, 162 postmenopausal women experiencing symptoms of vaginal dryness, were randomized to receive Membrasin Vaginal Vitality Cream, a reference cream, or to a control group. The reference cream was a commercial non-hormonal cream for vaginal dryness. During the study period of five weeks the participants in the cream groups used the products daily and the control group did not use treatments.

Membrasin Cream had a beneficial effect on Vaginal health index, describing several aspects of vaginal mucosal condition (Figure 2). The median increase of Vaginal health index in the Membrasin Cream group (2 units) was significant compared to control (0 units) ($P=0.0001$).

* Membrasin vs control: significant difference in change; $P=0.0001$

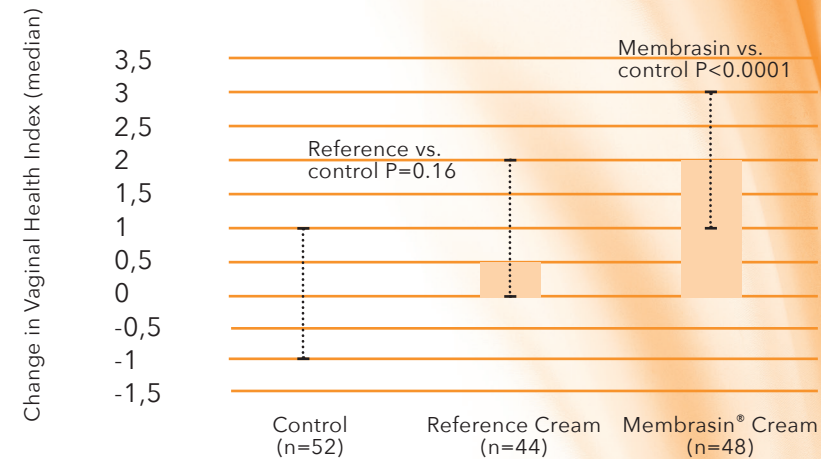


Figure 2. Change of vaginal health index from baseline to study end. Values are medians. Error bars describe the 95% confidence interval. P-values represent the difference of change between the treatments

Symptoms of vaginal dryness and burning, and vulvovaginal dryness, irritation, and soreness as well as pain during exercise were significantly reduced in the Membrasin Cream group compared to control ($P<0.05$).

At the end of the study period 84% of the participants in the Membrasin Cream group indicated they would like to continue using the cream.

Results from a pilot study with premenopausal women ($n=14$) indicates beneficial effects on dryness related symptoms on younger women as well.



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