

# MEMBRASIN®

## VISION

**SBA24® Sea Buckthorn Oil 2g  
and Lutein 10mg**



### SBA24 Sea Buckthorn Oil

Effects of SBA24 Sea Buckthorn Oil on dry eye were investigated in a double-blind, randomized, placebo-controlled study at University of Turku, Finland<sup>1</sup>. A total of hundred women and men experiencing symptoms of dry eye were included. During the intervention period of three months the participants consumed 2 g (4 capsules) of SBA24 or placebo oil daily. SBA24 Sea Buckthorn Oil attenuated the rise of tear film osmolarity, the "gold standard" clinical measure of dry eye during the cold season ( $P < 0.05$ ; Figure 1). The symptoms of burning and redness of eyes were less severe in the SBA24 group compared to placebo ( $P < 0.05$ ).

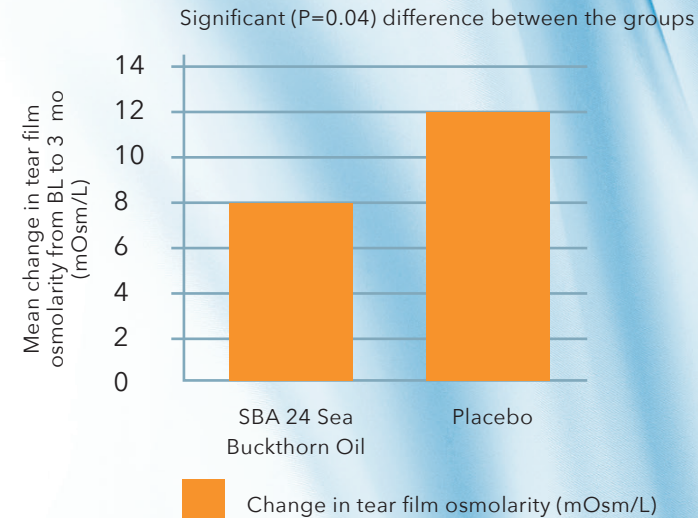


Figure 1. Change in tear film osmolarity in the SBA24 Sea Buckthorn and placebo groups

### FloraGlo Lutein

Effects of FloraGlo Lutein were investigated in a study of 90 participants with the dry/atrophic form of age-related macular degeneration. The results of the one-year study indicate beneficial effects on macular pigment optical density, visual acuity and contrast sensitivity with a daily 10 mg FloraGlo lutein<sup>2</sup>. Recent large prospective cohort study supports the importance of dietary lutein on macular health<sup>3</sup>.

### References

- 1) Larmo P, Järvinen R, Setälä N, Yang B, Viitanen M, Engblom J, et al. Oral sea buckthorn oil attenuates tear film osmolarity and symptoms in individuals with dry eye. J Nutr 2010; 140: 1462-8.
- 2). Richer S, Stiles W, Statkute L, Pulido J, Frankowski J, Rudy D, et al. Double-masked, placebo-controlled, randomized trial of lutein and antioxidant supplementation in the intervention of atrophic age-related macular degeneration: The Veterans LAST study (Lutein Antioxidant Supplementation Trial). Optometry 2004;4: 216-30.
- 3) Wu J, Cho E, Willett WC, Sastry S, Schaumberg D. Intakes of Lutein, Zeaxanthin, and Other Carotenoids and Age-Related Macular Degeneration During 2 Decades of Prospective Follow-up. JAMA Ophthalmol. 2015;133:1415-24.



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# MEMBRASIN®

## VISION VITALITY SPRAY

Sea Buckthorn Oil (0,4 %) and  
Sodium hyaluronate (0,02 %)



Effects of Membrasin Vision Vitality Spray were investigated at a private clinic Turun Silmäexpertit Oy (Turku Eye Experts Ltd, Turku, Finland) in a randomized, controlled study. Ten participants experiencing symptoms of dry eye used Membrasin Vision Vitality Spray 4 times/day for 9 days on one eye and a reference spray (medical device product on the market) on the other eye. Compared to the reference spray, Membrasin Vision Vitality Spray had a beneficial reducing effect on the symptoms of dry eye ( $P < 0.05$ ; Figure 2). At the end of the treatment all participants reported Membrasin Spray had beneficial effects.

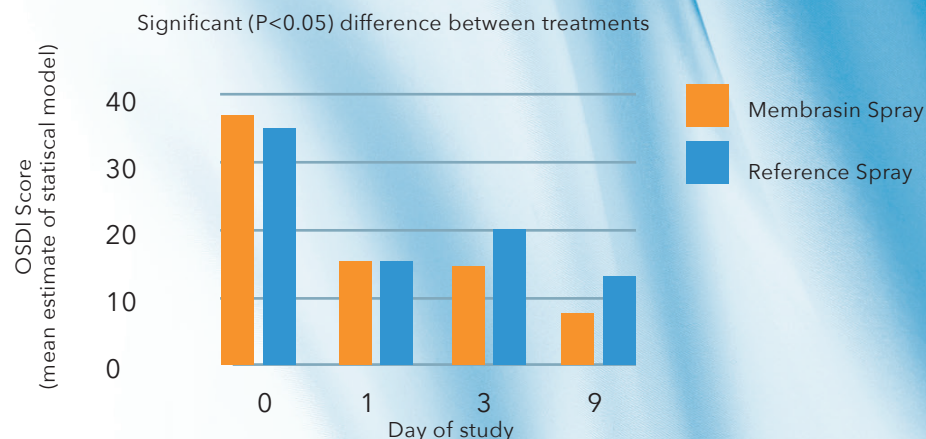


Figure 2. Dry eye symptom severities as Ocular Surface Disease Index (OSDI) scores in eyes treated with Membrasin Spray and reference spray (medical device product on the market)

Forty participants experiencing symptoms of dry eye used Membrasin Vision Vitality Spray 4 times/day on one eye and the other eye was a control eye with no treatment for 6 weeks. During the study period the symptoms of dry eye were reduced in the Membrasin Spray eye compared to control ( $P < 0.05$ ; Figure 3). At the end of the treatment 31 participants (80 % of responses) reported Membrasin Spray had beneficial effects.

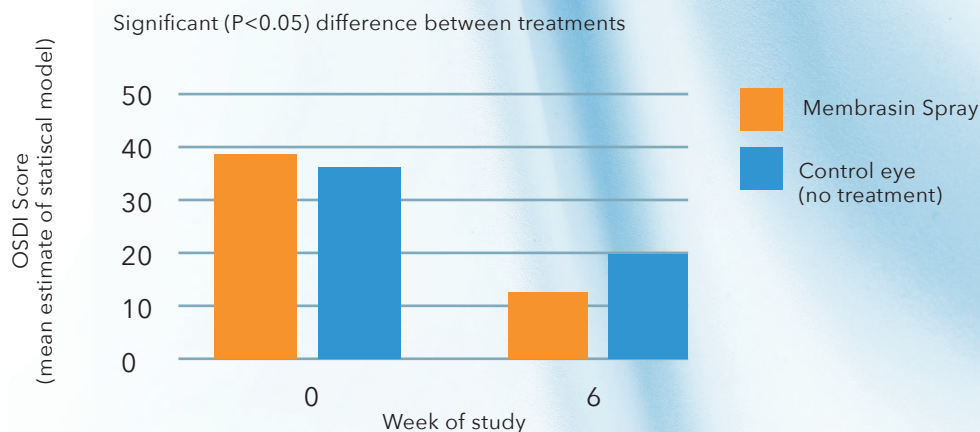


Figure 3. Dry eye symptom severities as OSDI scores in eye treated with Membrasin Spray and control eye



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