

Aveeno®

CLINICAL BENEFITS OF

Oat in Diabetic Dry Skin



Diabetes affects more than 34 million people in the United States.¹

Up to 97% of people with diabetes experience a skin-related disorder.²

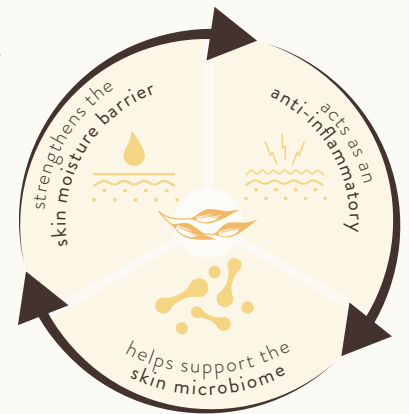
Itching is nearly 4x as common in diabetic skin than in patients without diabetes.³



Oat has many beneficial properties to the skin, including moisturization.

Latest scientific research has shown that oatmeal and key elements of oat can improve skin's pH, help increase endogenous ceramides*, has strong anti-inflammatory and anti-oxidant properties and acts as a skin prebiotic.^{4,5}

* In vitro



Pivotal Study

Oat lotion significantly improves dryness, roughness as early as week 1, increasing with continued use.⁶

Safety and Tolerance of Skin Protectant Lotions with Oatmeal in patients with Diabetes.

Journal of the American Academy of Dermatology 2008

Purpose

Evaluate the tolerance and efficacy of two oat-based skin protecting moisturizing lotions on diabetic dry skin.

Design



40 patients
with diabetes and moderate dryness of the lower legs

aged **30-60**
for 4 weeks

2x daily
for 4 weeks

Results

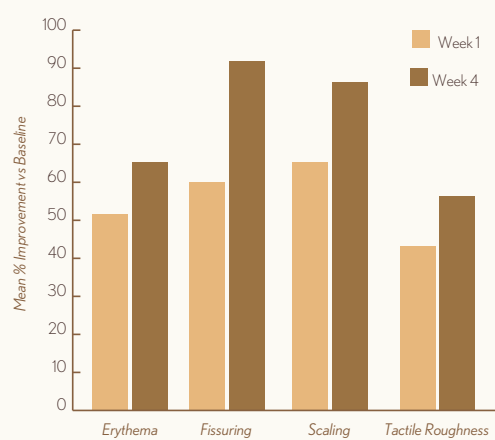
hydration improvement
as early as week 1

Twice daily use of an oat-containing moisturizing lotion resulted in significant improvements in dry skin parameters as early as 1 week and increased with continued use.

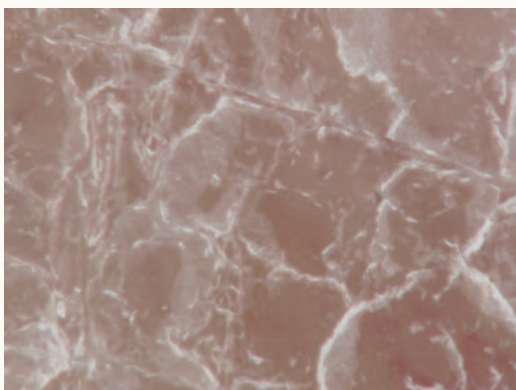
>90%

>90% of subjects reported significant improvements in leg dryness, roughness and overall look and feel of skin at 4 weeks.

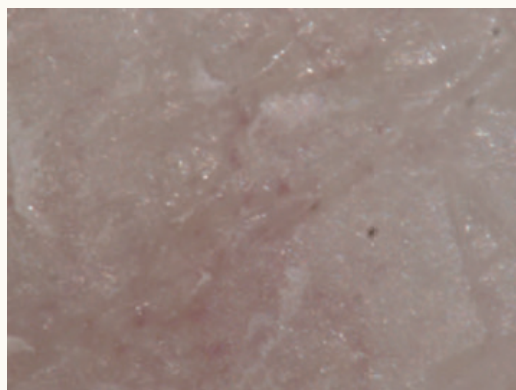
Oat Lotion with Avenanthramides and Oat Oil



Visible improvement in scaling and skin textural lines after 4 weeks of use



Baseline



Week 4



REFERENCES

- American Diabetes Association: <https://www.diabetes.org/resources/statistics/statistics-about-diabetes>. Accessed 8.17.21.
- de Macedo, G.M.C., Nunes, S. & Barreto, T. Skin disorders in diabetes mellitus: an epidemiology and physiopathology review. *Diabetol Metab Syndr* 8, 63 (2016). <https://doi.org/10.1186/s13098-016-0176-y>
- Yamaoka H, Sasaki H, Yamasaki H, et al. Truncal pruritus of unknown origin may be a symptom of diabetic polyneuropathy. *Diabetes Care*. 2010;33(1):150-155. doi:10.2337/dc09-0632
- Capone K, Kirchner F, Klein SL, Tierney NK. Effects of Colloidal Oatmeal Topical Atopic Dermatitis Cream on Skin Microbiome and Skin Barrier Properties. *J Drugs Dermatol*. 2020 May 1;19(5):524-531. PMID: 32484623.
- Reynertson KA, Garay M, Nebus J, Chon S, Kaur S, Mahmood K, Kizoulis M, Southall MD. Anti-inflammatory activities of colloidal oatmeal (*Avena sativa*) contribute to the effectiveness of oats in treatment of itch associated with dry, irritated skin. *J Drugs Dermatol*. 2015 Jan;14(1):43-8. PMID: 25607907.
- Safety and tolerance of skin protectant lotions with oat in patients with diabetes, *Journal of the American Academy of Dermatology*, Volume 58, Issue 2, Supplement 2, 2008, Page AB70, ISSN 0190-9622, <https://doi.org/10.1016/j.jaad.2007.10.312>.