

ATROPHIC ACNE SCARS

Case Report – Britney

By Fusion Specialty Pharmacy

Introduction

Acne is a common skin condition that affects most individuals at some time in their life and can often lead to scarring on the face.¹ Both acne and the remaining scars contribute to psychological and emotional stress. Acne scars are typically atrophic scars which are caused by destruction and loss of collagen, leading to indentations in the skin. Inflammation plays a major role in scar formation. Inflammatory breakouts are more likely to form scars, and popping pimples causes an inflammatory response that contributes to scar formation.²

Treatment for acne scars involves breakdown of the scar tissue and regrowth of new, healthy skin in its place. This can be achieved by lasers, physical breakdown by dermabrasion, or chemical reconstruction of the scars. Lasers and physical methods usually require multiple treatments before improvement is seen. Chemical reconstruction involves weeks or months of topical treatment with creams or gels that contain ingredients that promote breakdown of the scar tissue and promotes healthy regrowth. Complete resolution of acne scars usually requires prescription strength medications.

Since acne scars are atrophic scars, they can sometimes be more difficult to treat than regular scars.³ Fusion Specialty Pharmacy has developed a scar gel that works specifically for acne scars. It targets atrophic scars deep in the skin allowing for complete destruction of the scar and new skin growth.

Case Report

A 24 year old female with a past history of severe acne developed multiple acne scars covering her face.

After using Fusion Specialty Pharmacy's acne scar gel, the appearance of the scars began to lessen. A compound containing aloe, caffeine, pentoxifylline, and tranilast was applied twice daily to the face. After 45 days, the scars began to fade and the skin tone started to even out. After 180 days, the scars were barely visible and the face had a clear complexion.

Conclusion

This case shows how Fusion's acne scar gel removes the stubborn atrophic scars left from acne. These medications, when used in combination, work together to destroy scar tissue deep in the skin and build new healthy skin.

Aloe has many positive effects contributing to acne healing and scar healing. It has anti-inflammatory effects, antimicrobial effects, and moisturizing effects which contributes to improved wound healing.² Caffeine increases blood flow to the area which also promotes healing.⁴ Pentoxifylline is used to prevent abnormal collagen synthesis during skin healing.⁵ Tranilast inhibits collagen synthesis which also contributes to proper healing and prevents reformation of a scar.⁴

This patient was able to have significantly improved skin complexion starting in just a few weeks of treatment. Continued treatment provided almost complete resolution of scars in 180 days. She was able to regain her confidence with new, fresh skin.

References:

- ¹Layton, A.M., Henderson, C.A. and Cunliffe, W.J. (1994), A clinical evaluation of acne scarring and its incidence. *Clinical and Experimental Dermatology*, 19: 303-308. doi:10.1111/j.1365-2230.1994.tb01200.x
- ²Klein AD, Penneys NS. *Aloe vera*. *J Am Acad Dermatol* 1988;18:714-20.
- ³Levy, L.L. & Zeichner, J.A. *Am J Clin Dermatol* (2012) 13: 331. doi:10.2165/11631410
- ⁴Banov D, Banov F, Bassani AS. Case Series: The Effectiveness of Fatty Acids from Pracaxi Oil in a Topical Silicone Base for Scar and Wound Therapy. *Dermatology and Therapy*. 2014;4(2):259-269. doi:10.1007/s13555-014-0065-y.
- ⁵Leventhal, D., Furr, M., Reiter, D. *Treatment of Keloids and Hypertrophic Scars Arch Facial Plast Surg*; 2006



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Before

45 Days

After

