

Papulex™ Microsite Article for Health Care Practitioners

SUN SENSITIVITY AND ACNE SCAR PREVENTION SUN EXPOSURE CAUSES SKIN DAMAGE

The sun's ultraviolet (UV) radiation is bad for skin because it not only damages cellular DNA and causes oxidative stress and immunosuppression,¹ but exacerbates acne. This is because of lipid peroxide formation,² which leads to comedone formation, a factor in sebaceous gland hyperplasia and aging.³

When exposed to harmful rays the skin epidermis produces melanin. However, uneven melanin production and deposition causes irregular pigmentation that may appear on various skin areas, such as the lips.⁴ Actinic or solar keratoses and lentigo maligna are bigger causes for concern; these may progress onto squamous cell carcinoma and melanoma, respectively.⁴

Repeated sun exposure can cause epidermal thickening and affect the dermal connective tissue. This contributes to photoaging.¹ The loss of skin strength and flexibility results in wrinkles, creases and sagging, while stretching of small blood vessels can lead to redness and skin mottling.²

Because UV rays increase melanin production, thus stimulating post-inflammatory hyperpigmentation (PIH), the risk of acne scarring increases as well.

REDUCING ACNE SCARRING

Acne can severely impact a patient's quality of life. The physical marks of acne leave psychological scars that include low self-esteem, anxiety and depression. However, early treatment can help significantly reduce scarring.⁶

Nicotinamide (also known as niacinamide, vitamin B3 and vitamin PP) treatment can lessen the risk of scarring by controlling inflammation and pigmentation.^{7,8} Clinical studies indicate 4% nicotinamide is as effective as the antibiotic clindamycin for the treatment of moderate inflammatory acne,⁷ and that 2% nicotinamide reduces the sebum excretion rate in Asian patients after just two weeks' use.⁹

PAPULEX™ GIVES COMPLETE SKIN AND SUN CARE PROTECTION

Papulex™ UV High Protection Cream can reduce skin irritation and sun-caused damage. It contains SPF 45 to shield skin from UV radiation and fight wrinkles. Its formulation also includes nicotinamide and ABA to help reduce scarring as well as shea butter to moisturize skin and combat photoaging.

When used with other Papulex™ products, Papulex™ UV High Protection Cream can provide patients with a complete skin care regimen that helps them to love their skin again.

Papulex™ has a unique triple-action formula that helps manage acne effectively by targeting different acne-causing factors.

- Nicotinamide reduces unsightly acne blemishes and scars.^{6,7} It also significantly lowers sebum excretion⁹ and decreases skin irritation.⁸
- Patented ABA technology blocks the growth of acne-causing bacteria.¹⁰
- Zinc PCA reduces sebum production and inflammation.¹¹
- Papulex™ is easy to apply and safe for long-term day-and-night usage.
 - Our research has shown using Papulex™ does not irritate skin or cause other side effects.¹²

The ease of use may improve patient compliance.

Papulex™ is effective whether used alone¹³ or with conventional acne treatments to obtain even better results.¹⁴ For example, Papulex™ can reduce irritation resulting from other acne treatments.⁸ The Papulex™ product range is easily adaptable; its flexibility allows customized treatment regimens for individual patients.

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