



Laser Therapy for Psoriasis

- *Proven Technology*
- *Proven Patient Results*
- *Proven Practice Enhancement*

PhotoMedex[®]

Increase Psoriasis Patient Satisfaction

Directed high-dose therapy with the XTRAC® laser system can provide your patients with relief in fewer treatments than either topical or conventional phototherapy. XTRAC treatment sessions are often as rapid as four minutes each. XTRAC also allows for treatment of difficult anatomical locations, such as elbows and knees. It may also result in longer-lasting remissions, providing your patients with more time free of painful and unsightly lesions.

The sequence below shows the progression of treatments on a psoriatic elbow with the XTRAC excimer laser system.



Pre-treatment



Post-treatment
#3



Post-treatment
#6



Post-op
3 weeks

Help Your Patients—And Your Practice

Let's face it—patients want results, and they're willing to seek out the medical professionals who can give them the greatest benefit. When you offer this novel treatment modality, you demonstrate your commitment to providing the best possible medical care. By incorporating the XTRAC system into your practice, you can treat psoriasis patients effectively and efficiently in your own office—including cases that you might otherwise refer outside your practice for therapy.

The XTRAC Ultra Laser:

- **Treats scaly skin plaques quickly and effectively**—often in just 4 to 10 brief treatment sessions
- **Provides long-lasting relief**—typically several months free of symptoms
- **Uses a carefully focused beam of laser light**—delivered through a sophisticated liquid light guide that helps prevent exposing healthy skin to potentially harmful ultraviolet rays
- **Less time required for treatment**—minutes instead of hours
- **No daily care required** like traditional topical creams
- **No skin thinning or stretch marks**
- **No known risk** of liver damage, kidney damage or birth defects, as with some oral medications

Deliver UV Energy Specifically to the Lesion Site

The XTRAC system offers microprocessor-controlled, automatic dose delivery with intermittent or automatic-repeat energy delivery. The XTRAC system produces a monochromatic wavelength of Ultraviolet B (UVB) energy of 308 nm, which has been shown to be in the therapeutic region of the psoriasis action spectrum.¹ A controlled magnitude, pulsed laser output is delivered from the power source through a liquid light guide. The handpiece emits a square beam of 308nm UVB directed at specific lesional sites without exposing uninvolved skin. It features a minimal erythema dose (MED) mode to characterize the patient's skin in response to UVB laser phototherapy, and two treatment modes—an intermittent "tile" mode and an automatic repeat "paint" mode for convenience and flexibility. The patient experiences only a mild warmth, so no anesthesia is necessary.



*quick, effective clearing
patient satisfaction*



Reach Out And Restore Hope To Your Patients Suffering From Psoriasis

The XTRAC excimer laser phototherapy system is the first market-cleared laser treatment for psoriasis. The next-generation XTRAC Ultra® system is designed to advance conventional UVB treatments by reducing the number and duration of treatments necessary to control outbreaks. The XTRAC Ultra system lets you provide your patients a safe, convenient and effective means to manage this painful, disfiguring and often frustrating skin disorder.

Psoriasis Patients Seek Treatments That Provide Effective Relief

You know the enormity of the psoriasis problem—and the difficulties involved in managing it. Finding the most effective treatment to help manage symptoms and minimize the recurrence of lesions is frustrating. And none of the conventional approaches to treating psoriasis is without drawbacks.

- **Topical medications don't work for everyone**, and many patients are unwilling or unable to comply with rigorous self-care programs.
- **Steroids can cause thinning of the skin** and stretch marks; resistance is a common side effect.
- **Conventional phototherapy can be costly and time-consuming.** Upwards of 30 exposures or more may be necessary for improvement. It exposes healthy skin during treatment, placing it at risk of burning and pruritis. This treatment also carries many of the other risks of ultraviolet exposure, including premature aging and a minimal risk of skin cancer.
- **Phototherapy PUVA** (ultraviolet light A used with the drug Psoralen) can result in nausea, itching and redness, as well as premature aging and cataracts.

XTRAC Laser Therapy Offers a Better Way

Despite its shortcomings, conventional phototherapy has been a popular treatment for psoriasis. XTRAC excimer laser treatment improves on this approach. The XTRAC system concentrates 308nm monochromatic laser light only on the lesion, which can tolerate higher levels of exposure than uninvolved skin can. This lets you deliver the high-exposure doses necessary for rapid clearing in fewer sessions and without risk of damage to healthy skin.

Achieve Dramatic Results in Less Time

The refined "super-narrowband" XTRAC output at 308nm provides the pure wavelength with scientifically demonstrated antipsoriatic activity.¹ Clinical studies have shown the 308nm excimer laser to provide 75% or greater clearance in 72% of patients in an average of 6.2 treatment sessions², and 90% or greater clearance in 84% of patients in a mean of 7-10 treatments (depending on dosimetry protocol).³ Mean remission times of 3.5 to 6 months have been reported.^{4,5}

The Results Are Impressive

Leading peer-review journals have reported the results of numerous trials that clearly show how effective targeted 308nm laser phototherapy is on mild to moderate plaque psoriasis.

For example:

*"Excimer laser-generated 308nm UVB radiation is one of the most effective treatment forms for moderate and chronic forms of psoriasis...UVB laser treatment for localized psoriasis has considerable advantages over current topical and conventional UVB treatment. We observed a faster clearance rate at less exposure and a greater risk-benefit ratio as there is less risk for uninvolved skin...Furthermore, the study has shown the excimer laser to be effective in treating thick, scaled plaques on the knees and elbows, which are often resistant to any conventional treatment."*³



SYSTEM OUTPUT PARAMETERS

Wavelength	308 nm
Pulse repetition rate	200 Hz
Spot size	4.0 cm ² (2cm x 2cm)
Nominal operating energy per pulse	2-3 mj/cm ²
Nominal pulse width	~30 nsec

PHYSICAL ATTRIBUTES

Dimensions	18"L x 39"D x 34"H (46cm x 99cm x 86cm)
Weight	~220 lbs. (100 kg)
AC input power	110-230 VAC 10A max; 50/60Hz
Gas type	Custom xenon chloride mix
Laser control	Footswitch
Remote interlock	Contact closure, isolated and powered w/24V DC, 5mA

References:

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3. Gerber W, Arheilger B, Ha TA, Hermann J and Ockenfels HM. Ultraviolet B 308-nm excimer laser treatment of psoriasis: a new phototherapeutic approach. British Journal of Dermatology; Vol. 149, December 2003, pp. 1250-1258.
4. Trehan M and Taylor CR, Medium-dose 308-nm excimer laser for the treatment of psoriasis, J Am Acad of Dermatol, vol. 47, no. 5, November 2002, pp. 701-708.
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