

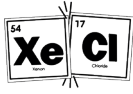
# OCLARTEIS

Light For Skin Health



308 nm excimer lamp to treat :  
VITILIGO, ALOPECIA AREATA, PSORIASIS, ATOPIC DERMATITIS,  
MYCOSIS FUNGOIDES

# WHAT IS AN EXCIMER LAMP ?



**Excited Dimers  
Xenon and Chloride**

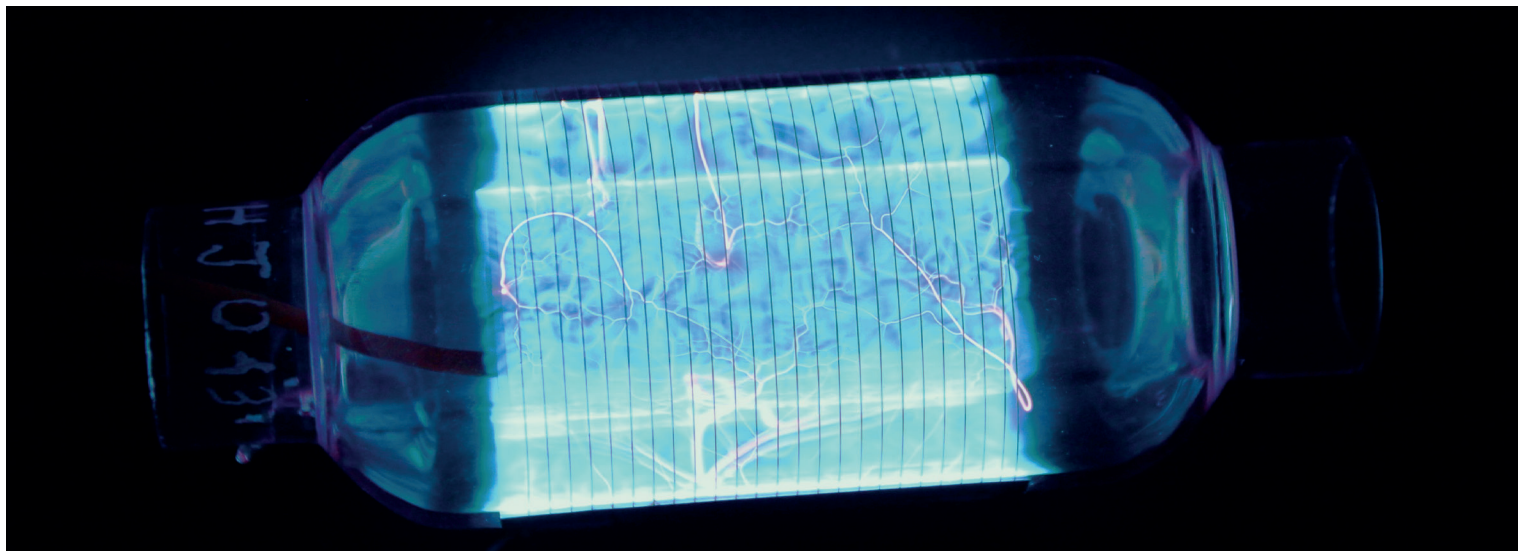


**Targeted  
UVB Therapy**

**308<sub>nm</sub>**

**Monochromatic  
light**

An excimer lamp is a UV light source that emits UV light through the dissociation of excimer molecules, such as those formed by the excitation of xenon and chloride. These molecules emit efficient UV light when they dissociate from their excited state.



## EXCIMER LAMPS ARE USED TO TREAT :

### **VITILIGO :**

Stimulates melanocytes activity and migration, aiding in repigmentation.

### **ALOPECIA AREATA :**

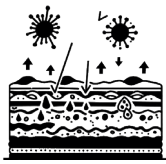
Promotes hair regrowth, stimulating the affected areas and encouraging the regeneration of hair follicles.

### **ATOPIC DERMATITIS :**

Reduces inflammation and enhances skin barrier function.

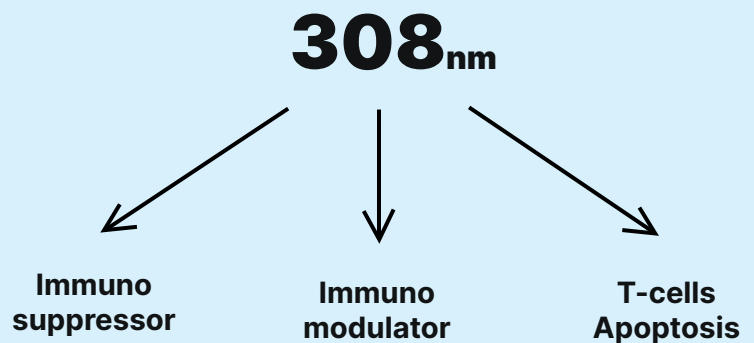
### **MYCOSIS FUNGOIDES :**

Effective in managing symptoms of this cutaneous T-cell lymphoma.



Treatment for auto-immune skin conditions

## MECHANISM OF ACTION



## ADVANTAGES



**Precision:** the narrow wavelength targets affected areas precisely, reducing exposure to surrounding healthy skin.



**Convenience:** treatments are quick, with minimal discomfort and downtime, making them suitable for clinical settings.



**Effectiveness:** clinical studies demonstrate the efficacy of 308 nm excimer light in treating chronic skin conditions.



**Time Saving:** powerful device capabilities and large spot size allow for faster treatment coverage and increased efficiency.



**Cost efficient:** does not require consumables, reducing ongoing operational expenses.



**Accuracy in treatments:** thanks to the inclusion of reduction tips and silicon masks that allow for precise targeting of affected areas, minimizing exposure to surrounding healthy tissue and enhancing the overall effectiveness of the procedure.

## PSORIASIS :

Reduces keratinocytes proliferation and inflammation.

## POSSIBLE SIDE EFFECTS

Excimer lamp therapy is generally well-tolerated. Potential side effects include:

- Redness and itching in the treatment area
- Blistering or burning from intense exposure
- Hyperpigmentation or hypopigmentation in some cases.

# TECHNICAL SPECIFICATIONS

|                            |                                                  |
|----------------------------|--------------------------------------------------|
| WAVELENGTH                 | 308 nm                                           |
| LIGHT RANGE                | Monochromatic UVB                                |
| POWER DENSITY              | 100 mW/cm <sup>2</sup>                           |
| SPOT SIZE                  | Up to 25 cm <sup>2</sup>                         |
| REDUCTION TIPS             | 15 reductions tips (plastic and silicon options) |
| TOTAL OPTICAL POWER        | 2500 mW                                          |
| WEIGHT                     | < 980 g                                          |
| DIMENSIONS                 | (H)27 cm x (W)7 cm x (D)16 cm                    |
| COOLING OF DEVICE          | Pulsed Air                                       |
| ELECTRICAL CHARACTERISTICS | 100-240 V 50-60 Hz / 180 VA                      |
| SOURCE                     | Xenon-Chloride (XeCl) excimer lamp               |
| HEATING TIME               | 0 s                                              |
| MADE IN                    | FRANCE                                           |

With its low acquisition cost and special features, exciplex® is great value for your practice



## PRECISE

A large spot size of 25 cm<sup>2</sup> for treating large areas with adaptable reduction tips for smaller lesions to protect healthy skin.

**POWERFUL**  
Fluence of 100 mW/cm<sup>2</sup> and total power of 2500 mW resulting in fast treatment.



## ERGONOMIC

Modern design with a comfortable handle. Small, light weight and easily transportable.

## EASY TO USE

Color touchscreen with simple layout, Only one parameter required: the dose.

# EXCIPLEX

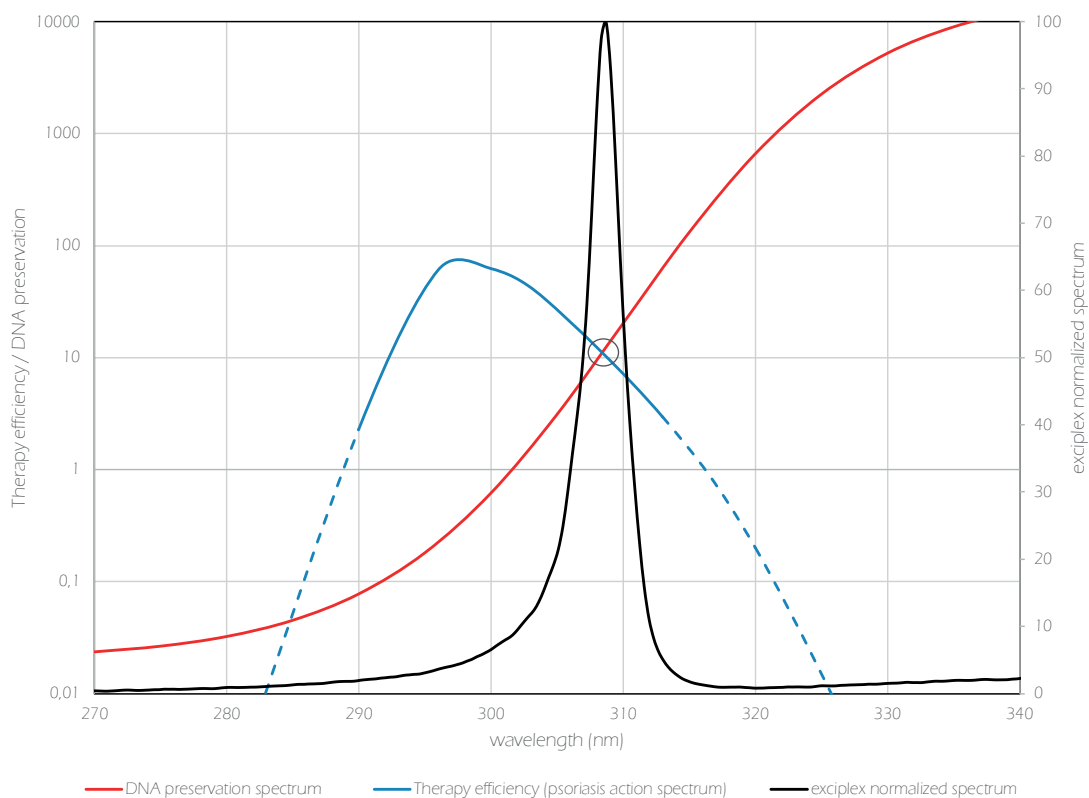
## COMPLIANCE

EUROPE: CE<sub>0476</sub> Marked (class IIb)  
USA: 510(k) Premarket Notification  
JAPAN: 229AGBZX00045000  
+ over 50 countries



## 308 nm, THE BEST WAVELENGTH

› High efficiency & low risk



**Below 300 nm**  
High DNA damage =  
dangerous for patient

**300 – 310 nm**  
Safe and high  
efficiency

**308 nm**  
Best compromise

**Above 310 nm**  
Very low efficiency

# CLINICAL INSIGHTS

## VITILIGO

*Vitiligo is an auto-immune disorder causing depigmented patches on the skin due to loss of melanocytes. The 308-nm excimer lamp effectively treats vitiligo by targeting lesions, allowing targeted phototherapy and sparing healthy skin. Studies show significant repigmentation, with 77.8% of patients achieving at least 75% repigmentation(1).*

(1) - 2020 / JCAD - Dr Shah - Safety and Efficacy of the Combination of 308-nm Monochromatic Excimer Light and Topical 0.1% Tacrolimus Ointment in Segmental Vitiligo: An Open-label Study

## ALOPECIA AREATA

*Alopecia areata (AA) is a chronic autoimmune disorder causing hair loss due to CD8+ lymphocytes attacking hair follicles. It affects 1.7% of the population, with most cases occurring before age 30(2)(3). The 308-nm excimer lamp treats AA by inducing apoptosis of T lymphocytes and altering cytokine production, promoting hair regrowth. In Dr Al-Hamzawi's study, 55.5% of patients had significant hair regrowth with no major side effects and low relapse rates(3).*

(2) - 2021 / JAMMR - Dr Ali Elnagar - Evaluation of the Efficacy of Excimer Light 308 nm Wavelength Versus Low Level Laser in Treatment of Alopecia Areata

(3) - IJT / 2019 - Dr Al Hamzawi - Evaluation of the Efficacy and Safety of 308-nm Monochromatic Excimer Lamp in the Treatment of Resistant Alopecia Areata

## PSORIASIS

*Psoriasis is a common inflammatory auto immune skin disorder characterized by excessive keratinocyte proliferation and T cell infiltration(4). The 308-nm excimer light effectively treats psoriasis by reducing keratinocyte proliferation and depleting T cells. In Bianchi's study, it eliminated T cells from psoriatic lesions and decreased Bcl-2 expression, leading to increased apoptotic keratinocytes and clinical remission(4).*

(4) - 2003 / JEADV - Dr Bianchi - Monochromatic excimer light (308 nm): an immunohistochemical study of cutaneous T cells and apoptosis-related molecules in psoriasis

## ATOPIC DERMATITIS

*Atopic dermatitis (AD) is an auto immune skin disorder with symptoms including erythema, oozing, and intense itching, affecting 2%–5% of the population(5). The 308-nm excimer light effectively treats AD, achieving complete remission in 66.7% of patients and partial remission in 16.7%. Nisticò's study showed significant improvement after four weeks of weekly sessions, with sustained benefits during a 16-week follow-up(5).*

(5) - 2008 / - Dr NISTICÒ - Efficacy of Monochromatic Excimer Light (308 nm) in the Treatment of Atopic Dermatitis in Adults and Children

## MYCOSIS FUNGOIDES

*Mycosis fungoides, the most common cutaneous T-cell lymphoma, characterized by skin lesions that can progress from patches to plaques and tumors. Excimer light at 308 nm is effective for inducing remission in early-stage lesions. Studies show clinical and histologic remission in all treated patch-stage IA lesions.*

2004/ British Journal of Dermatology - S. Nisticò - Efficacy of monochromatic excimer laser radiation (308 nm) in the treatment of early stage mycosis fungoides

**BEFORE**

**AFTER**



Courtesy of Pr. Passeron  
Treatment with exciplex® of Vitiligo,  
before and after 90 sessions

Courtesy of Pr. Passeron  
Treatment with exciplex® of Alopecia Areata,  
before and after 7 sessions

Courtesy of Dr. Letona  
Treatment with exciplex® of Psoriasis,  
before and after 7 sessions

Courtesy of Dr. Yasuyuki Suzuki  
Treatment with exciplex® of Atopic Dermatitis,  
before and after 12 sessions

Courtesy of Dr. Armaghan  
Treatment with exciplex® of Mycosis Fungoides,  
before and after 19 sessions

Trusted by over 300,000 patients



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