

# UV Phototherapy System

- whole body phototherapy cabinet
- partial body UV phototherapy unit
- handheld UV phototherapy unit
- 308nm UV phototherapy unit

# The Healing Effect of Light

UV phototherapy has become established as a proven and therapeutically effective method for the treatment of numerous skin diseases, such as psoriasis, vitiligo, localized scleroderma(LS), neurodermatitis, mycosis fungoides(MF), pityriasis rosea, atopic dermatitis(AD) and various eczemas.

Irradiation with UV light has a soothing effect on the immune system and can alleviate inflammatory skin diseases, such as neurodermatitis. With psoriasis the radiation is effectively growth-retarding and therefore able to stop the reproduction and scaling of the skin cells.

The irradiations take place with electronically driven irradiation systems equipped with special medical fluorescent tubes and LED. For scales a UV-B narrowband radiation source with 311nm and 308nm wavelength has proved to be particularly effective. UVA (340-400nm) is particularly effective for the therapy of scleroderma and neurodermatitis.

With correct dosage and duration of treatment a significant improvement of the appearance of the skin, up to complete elimination of skin diseases, is thus possible. Phototherapy is performed on an outpatient basis and can be combined with other therapies.

SIGMA phototherapy systems for UV therapy in the dermatologist's surgery are manufactured according to the strict criteria governing medical products.



vitiligo



psoriasis



localized scleroderma



neurodermatitis



mycosis fungoides



pityriasis rosea

# Phototherapy Cabinet

## SS-12B

- 2-meter ultra-long UV lamp provides comprehensive irradiation for generalized vitiligo and psoriasis from head to toe.
- 42pcs lamp configuration with high spectral stability and long service life.
- Acrylic protective plates effectively prevent dust and protect lamp tubes and prolong the service life.
- Comfortable and spacious inner cabin, with exhaust fans for good ventilation and proper ambient temperature.
- Large touch screen, easy to operate. Intelligent control system automatically controls the irradiation dose and time to ensures the treatment accuracy.
- Emergency stop button, internal stop button, hand-pull switch for operation safety.

### Technical Specifications

Lamp type: fluorescent tube(2-meter-long)

Wavelength:  $311 \pm 2\text{nm}$  UVB

Lamp number: 42pcs

Radiation height: 196cm

Treatment dose range: 0-5J

Power: AC38



# Partial Body Phototherapy Equipment

## SS-09B

- High intensity 311nm UVB radiation realizes full body radiation for generalized psoriasis and vitiligo.
- Pivoting sides for homogeneous irradiation of the sides of the body at the same time.
- High-gloss internal reflectors, increasing the efficiency of irradiation.
- Safe dose limit and start/pause button on the front side for operation safety.
- 8/10pcs of UV lamp configuration and UVA1 lamp are available.
- Smooth-running castors with brakes for mobile and position.
- Slim size, compact dimensions and ergonomic front handles.

### Technical Specifications

Lamp type: fluorescent tube  
Wavelength:  $311\pm 2\text{nm}$  UVB  
Lamp number: 8/10pcs  
Radiation area:  $175\text{cm}\times 85\text{cm}$   
Treatment dose range: 0-5J  
Power: AC230V



# Handheld Phototherapy Unit SH10B

SH10B is the latest handheld 311nm UVB phototherapy device. SH10B has all-in-one design with built-in timer. It is suitable for localized and spot vitiligo and psoriasis treatment.

- Powerful 311nm UVB light, effective and safe for vitiligo and psoriasis.
- Large display screen.
- Built-in timer, easy to set radiatio time.
- Voice prompt to remind the treatment process.
- Comfortable hand feeling and elegant design.
- Optional comb is for scalp treatment.

## Technical Specifications

Lamp type: fluorescent tube

Wavelength:  $311\pm 2\text{nm}$  UVB

Lamp number: 1pc

Radiation area: 11cmx3cm

Working mode: radiation time input

Power: AC230V

Accessories: UV goggles, comb(optional)



# 308nm UVB Excimer Light Therapy Unit SH308



- Accurate 308nm UVB spectrum for vitiligo and psoriasis treatment, effective, safe with few side effect.
- High radiation intensity, especially good for lesions on the hands and feet.
- Large radiation area 22cm<sup>2</sup> can cover more skin lesions to save treatment time.
- 500 hours long-lasting tube use time, no extra cost for lamp replacement.
- Covering pads are to target at the lesions and protect the healthy skin. UV goggles are to protect the eyes away from UV radiation.

## Technical Specifications

Lamp type: XeCl lamp

Wavelength: 308±1nm UVB

Radiation intensity: 32/38mW/cm<sup>2</sup>

Treatment area: 22.09cm<sup>2</sup>(4.7cm\*4.7cm)

Treatment time range: 0-140s

Accessories: UV goggles, covering pads

