香港浸信會醫院
Hong Kong Baptist Hospital

Long Pulsed 1064nm Laser

Procedure Information Sheet

Introduction

Long pulsed 1064nm laser specifically targets oxyhaemoglobin and deoxyhaemiglobin and selectively heats up and destroys superficial vessels while causing minimal damages to the surrounding tissues.

Indications

1. Telangiectasia of the leg and face
2. Resistant port wine stains
3. Venous lake

Contradictions

- Pregnancy, photosensitive conditions such as systemic lupus erythematosus, porphoria and medications that induce photosensitivity.
- Patient with recent sun exposure and keloid tendency should use the laser with caution.

Before the Operation / Procedure

1. Local anaesthesia is usually not required.
2. Multiple treatments are usually required for improvement and total clearance may not be possible.
3. Clinical results vary and there is no guarantee to the final outcome of the treatment.
4. Recurrence is possible.
5. Photographs will be taken before and after the procedure.

After the Operation / Procedure

1. Burning sensation might be felt during and after the procedure.
2. Redness and swelling may last for 1-4 weeks or longer.
3. Hyperpigmentation may last for 3-12 months or longer.
4. Apply antibiotic ointment if there are blisters or wounds.
5. Apply sunscreen when there is no open wound and avoid exposure to sunlight.

Risks and Complications

1. Redness, swelling, bruising, blistering, scarring, skin infection.
2. Hypo- or hyper-pigmentation.
3. Depressed or hypertrophic scars.

Patient's Label
Patient Name: _____
Hospital No:_____
Adm No/Episode No:_____

Disclaimer

This leaflet only provides general information pertaining to this operation / procedure. While common risks and complications are described, the list is not exhaustive, and the degree of risk could also vary between patients. Please contact your doctor for detailed information and specific enquiry.

Reference

1. J S Dover et al. New approaches to the treatment of vascular lesions. Lasers Surg Med 2000.26(2):158-163
2. K Ozyurt et al. Treatment of superficial cutaneous vascular lesions: Experience with the long-pulsed 1064nm Nd:YAG laser. The Scientific World Journal 2012. Article ID 197139

Patient's Signature:_____ Date:_____