



## Candela GentleLASE Family Of Lasers Treatment Guidelines

For miniGentleLASE Models: 9914-0880 and 9914-0890  
 For miniGentleLASE Limited Edition Models: 9914-0910 and 9914-0930

**THESE GUIDELINES DO NOT TAKE THE PLACE OF THE OPERATOR'S MANUAL BUT SERVE AS SUGGESTIONS FOR TREATMENT WITH THE CANDELA GENTLELASE FAMILY OF LASERS. IT IS RECOMMENDED THAT TEST SPOTS ARE DONE AND TISSUE RESPONSE EVALUATED PRIOR TO FULL TREATMENT. THE ULTIMATE SELECTION OF PARAMETERS IS UP TO THE INDIVIDUAL ASSESSING THE PATIENT'S NEEDS**

### HAIR REMOVAL TREATMENT GUIDELINES

PT. SKIN TYPE	SPOT SIZE (mm)	FLUENCE (J/cm <sup>2</sup> )	*DCD SPRAY (ms)	*DCD DELAY (ms)	COMMENTS
1-2 Red hair, Freckles, Fair skin, Blue eyes (Caucasian)	6	30-40	40-60	40-60	Start at lower fluence & observe tissue response.
	8	30-40	40-60	40-60	
	10	25-36	40-60	40-60	
	12	25-35	40-60	40-60	
	15	20-30	40-60	40-60	
	18	14-20	40-60	40-60	
3 (Darker Caucasian, light Asian)	6	25-40	40-60	40-60	Test spots are recommended. Evaluate tissue response 1-2 weeks later before starting full treatment.
	8	25-40	40-60	40-60	
	10	18-30	40-60	40-60	
	12	18-30	40-60	40-60	
	15	16-25	40-60	40-60	
	18	10-16	40-60	40-60	
<b>Use lower energy unless pre-treated with bleaching regimen for skin types 4-6 and tanned skin</b> <b>IT IS RECOMMENDED TO PRE-TREAT WITH PRESCRIPTION STRENGTH (4%) BLEACHING AGENTS B.I.D. FOR AT LEAST 2 WEEKS ON ALL PATIENTS WITH SKIN TYPE 4-6 and tanned skin . Pre-treat the skin first before doing test spots to get a true indication of skin response.</b>					
4 (Mediterranean, Asian, Latin)	6	20-30	40-80	40-80	If testing with larger spot size causes too much discomfort, try smaller spot sizes, same fluence. Wait for 1-2 weeks after test spot before full treatment.
	8	20-30	40-80	40-80	
	10	16-24	40-80	40-80	
	12	16-20	40-80	40-80	
	15	10-20	40-80	40-80	
	18	8-16	40-80	40-80	
5 (Middle Eastern, Latin, Asian light skinned Black, Indian, Native American)	6	20-25	40-80	40-80	Test small area & wait 1-2 weeks for full treatment to evaluate tissue response. Apply cold compress or cold gel packs after treatment to reduce discomfort and risk of blistering.
	8	20-25	40-80	40-80	
	10	14-20	40-80	40-80	
	12	14-20	40-80	40-80	
	15	10-20	40-80	40-80	
	18	6-16	40-80	40-80	
6 (Dark skinned Black)	6	20-25	40-80	40-80	Test small area & wait 1-2 weeks for full treatment to evaluate tissue response. Apply cold compress or cold gel packs after treatment to reduce discomfort and risk of blistering.
	8	20-25	40-80	40-80	
	10	10-20	40-80	40-80	
	12	10-20	40-80	40-80	



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	15	6-20	40-80	40-80	
	18	6-16	40-80	40-80	



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### TELANGIECTASIA (2-3mm) TREATMENT GUIDELINES

PT. SKIN TYPE	SPOT SIZE (mm)	FLUENCE (J/cm <sup>2</sup> )	*DCD SPRAY (ms)	*DCD DELAY (ms)	COMMENTS
1-3	8	50-80 (leg)	50-70	30 - 70	Pulse each area once Endpoint is perivascular erythema, subtle edema of vessel, or no vessel re-fill.
	8	40-50 (face)	50-70	30 - 70	

### Wrinkles TREATMENT GUIDELINES

PT. SKIN TYPE	SPOT SIZE (mm)	FLUENCE (J/cm <sup>2</sup> )	*DCD SPRAY (ms)	*DCD DELAY (ms)	COMMENTS
1-5	12	25-40	40-60	40 - 60	May apply cold compress or cold gel packs immediately after treatment to cool skin and remove heat

\*DCD is an Option. If DCD is not used another form of epidermal cooling should be used . Skin cooling reduces the rise in temperature in the epidermis, allows for higher tolerated fluences and provides partial anesthesia. Ice may be applied immediately before treatment to cool skin and after treatment to remove heat.

\*\*Note : The DCD contains an optional Post Spray feature. This feature provides additional cooling and may enhance patient comfort if needed. When using this optional feature, user should start at low settings and observe patient response.

### BENIGN PIGMENTED LESIONS TREATMENT GUIDELINES ( Seborrheic keratoses, solar lentigines, benignmelanocytic nevi)

PT. SKIN TYPE	SPOT SIZE (mm)	FLUENCE (J/cm <sup>2</sup> )	*DCD SPRAY (ms)	*DCD DELAY (ms)	COMMENTS
1-4	8	30-40	0	0	Apply ice slurry pre and post treatment to cool skin and remove heat. Aloe Vera gel may be added to ice to make gel slurry. Start at lowest fluence for treatment one and observe tissue response. Start by treating darkest lesion and lowest fluence and observe tissue response. Lighter spots may require higher fluence and darker spots may require lower fluence
	10	30-40	0	0	
	12	30-40	0	0	

**NOTE: TREATMENT OF BENIGN PIGMENTED LESIONS WITH GENTLELASE ON SKIN TYPES 5 OR 6 IS NOT RECOMMENDED.**

**NOTE: THE DYNAMIC COOLING DEVICE (DCD) IS NOT USED FOR THE TREATMENT OF BENIGN PIGMENTED LESIONS AND SHOULD BE TURNED OFF**



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### GENERAL TREATMENT CONSIDERATIONS

#### SUGGESTIONS FOR TREATMENT

ALWAYS HOLD LASER HANDPIECE PERPENDICULAR TO SITE TO APPLY LASER ENERGY FOR HAIR REMOVAL PROCEDURES. A RED AIMING BEAM IS PROVIDED TO ILLUMINATE THE TREATMENT AREA. THE AIMING BEAM AND TREATMENT BEAM ARE DIMENSIONALLY IDENTICAL, SO THE AIMING BEAM CAN BE USED TO ACCURATELY DEFINE THE TREATMENT PULSE LOCATION AND SHOULD APPEAR AS A RED CIRCULAR SPOT WHEN THE HANDPIECE IS PERPENDICULAR

#### **Warning**

When treating patients with GentleLASE Models 9914-0890 or 9914-0930 while using an ECG monitoring device attached to a patient, electrical interference with the ECG monitoring device may result.

#### **Expected Responses**

- Perifollicular edema /erythema; possible responses: welting (secondary to histamine response), and mild to moderate itching.

#### **Untoward effects**

- Blistering, hyperpigmentation, hypopigmentation, scarring, purpura or herpes simplex activation. These effects may occur and may be transient or may last for months post treatment. In rare cases hyperpigmentation or hypopigmentation or scarring may be permanent.
- For type V or VI skin or tanned skin, final skin responses may not often be visible for 1-2 weeks. Perform test spots on an inconspicuous area prior to treatment.

#### **Recommendations for preventing untoward effects and/or decrease discomfort**

- Cold compress or cold gel packs should be applied immediately after treatment, until area is cool to touch.
- Large areas that are divided into sections need to be cooled as the sections are treated.
- Test small areas in inconspicuous locations where treatment will be given BEFORE treating a large area.

#### **Skin Preparation for Treatment**

- Topical anesthetics may be used per manufacturers directions HOWEVER, remove any topical anesthetics from the skin prior to treatment, and **degrease** skin with soap and water.
- Skin must be clean and dry; remove all lotions, perfumes, make-up, deodorant, etc.
- Ethanol should NOT be used to clean skin.
- Shave area to be treated **immediately** before treatment; **DO NOT leave any stubble on skin.** DO NOT treat long hair, as the external hair acts as a heat sink and may cause skin damage.
- DO NOT have patient tweeze, wax or have electrolysis 6 weeks before treatment.

#### **Reduction of Plume and Hair Odor in Treatment Room**

- Use a smoke evacuator during treatment; especially for treatment of larger areas. (OSHA standards)



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- Wear a laser mask to reduce breathing plume.
  - Keep room well ventilated to disperse hair odor.

**CANDELA does NOT recommend treating under the eyebrow as ocular damage may occur.**

### Treating Specific Body Areas

- Insert wet cotton in nose or ears during treatment to reduce DCD spray delivery beyond target.
- When applying laser energy, be sure entire tip of distance gauge is on treatment area to reduce chance of pulse or spray extending beyond target.
- Patients with fillings near front teeth MAY experience a sensitive reaction when laser pulse administered above lip; place wet gauze under upper lip during treatment to reduce this sensation.
- Before treating full beard or head, BE SURE patient wants this area to remain free of hair and have signed an informed consent form.
- Before treating the upper lip, make sure patient does NOT have permanent lip make-up/tattoo, if so, cover with a wet white product,
- Use of a white makeup stick or washable marking pen is appropriate for drawing in treatment area grid.
- When treating anal area, place wet gauze in anus first. Methane gas is flammable.
- Pre-treat with bleaching regimen for two weeks prior to test spot when treating genital/bikini area.
- For hair removal: Lower fluences should be used when treating tanned skin . This includes UV light from a tanning booth and those tans from tanning creams. Patients have a greater chance of blistering and hypopigmentation when treating tanned skin. .
- Tanning Creams should NOT be used within a few days of treatment, and should be removed completely prior to treatment.
- When treating the inside of the thigh, the skin is generally more sensitive. You may need to decrease energy.

**CRYOGEN REORDER** - Replacement canisters of cryogen are ordered by the part number listed on the GentleCool™ canisters shipped with laser. Use only 1000-gram size canisters for this product.