

CBL 'QUICK GUIDE' PARAMETERS



These treatment guidelines are based on physician feedback and clinical experience gained in clinical studies and practical use. The information is provided as a guide only and is not prescriptive for any patient, indication or treatment. The guidelines are not designed to be a substitute for clinical training, and the system should only be operated by qualified practitioners who have received appropriate training and have thoroughly reviewed the Operator Manual that shipped with the system. When using the system, always observe Light/Energy-tissue interaction and clinical endpoints to determine appropriate settings

HAIR REMOVAL

FINE HAIR

SKIN TYPE	FILTER	PULSES	FLUENCE			PULSE WIDTH	COOLING (C)
			DARK	MEDIUM	LIGHT		
I-II	640nm	Single	5-10 J/cm ²	7-15 J/cm ²	10-20 J/cm ²	12-16ms	10
III-IV	700nm	Single	5-10 J/cm ²	7-15 J/cm ²	10-20 J/cm ²	16-20ms	10

MEDIUM - COURSE HAIR / MEDIUM DENSITY

SKIN TYPE	FILTER	PULSES	FLUENCE			PULSE WIDTH	PULSE DELAY	COOLING (C)
			DARK	MEDIUM	LIGHT			
I-II	640nm	Double	5-10 J/cm ²	7-15 J/cm ²	10-20 J/cm ²	8-10ms	20ms	10
III-IV	700nm	Double	5-10 J/cm ²	7-15 J/cm ²	10-20 J/cm ²	10-12ms	20ms	10

COURSE - TERMINAL HAIR / HIGH DENSITY

SKIN TYPE	FILTER	PULSES	FLUENCE			PULSE WIDTH	PULSE DELAY	COOLING (C)
			DARK	MEDIUM	LIGHT			
I-II	640nm	Triple	5-10 J/cm ²	7-15 J/cm ²	10-20 J/cm ²	6-8ms	20ms	10
III-IV	700nm	Triple	5-10 J/cm ²	7-15 J/cm ²	10-20 J/cm ²	8-10ms	20ms	10

REMINDERS:

- Apply clear ultrasound gel
- Reduce energy by 20% when treatment over bony areas
- 4 - 8 treatment sessions are required,
- Body treatments: 6-8 week between treatments.
- Face treatments: 4 weeks between treatments.

NOTES:

Adjustment of parameter should be made according to skin response /clinical end point.
Single pass usually sufficient , overlap only by 10% at most

Always perform test patch and wait minimum of 20 minutes to check the reaction.

Some skin types and conditions need to be tested, sent away, and assessed several days after to ensure safe treatment.

Pulse Type:

- Single pulse very strong, may cause purpura
- Double pulse most commonly used
- Triple pulse most gentle, suitable for sensitive and darker skin types.

Parameter Adjustment:

- Increase: Higher Fluence, Shorter pulse duration, Shorter pulse delay, Shorter wavelength filter
- Decrease: Lower Fluence, Longer pulse duration, Longer pulse delay, Longer wavelength filter



VASCULAR

- GENERAL REDNESS/ FLUSHING/ ROSACEA -

FIELD TREATMENT : LARGE AREAS *Suitable for field treatment face and neck 40x15mm RECTANGLE

SKIN TYPE	TIP	FILTER	PULSES	FLUENCE	PULSE WIDTH	COOLING (C)
I-II	40x15mm	560nm	Single	16–22 J/cm ²	1 st Treatment: 20ms 2 nd Treatment: 15ms 3 rd Treatment: 10ms	15 - 20
III	40x15mm	560nm	Single	14–20 J/cm ²	1 st Treatment: 20ms 2 nd Treatment: 15ms 3 rd Treatment: 10ms	15
IV*	40x15mm	585nm	Single	10–18 J/cm ²	20ms	10

FIELD TREATMENT : SMALL AREAS *Suitable for nose and chin areas 12x12mm SQUARE



I-II	12x12mm	560nm	Single	16 - 24 J/cm ²	1 st Treatment: 20ms 2 nd Treatment: 15ms 3 rd Treatment: 10ms	15 - 20
III	12x12mm	560nm	Single	14 – 22 J/cm ²	1 st Treatment: 20ms 2 nd Treatment: 15ms 3 rd Treatment: 10ms	15
IV*	12x12mm	585nm	Single	10 – 20 J/cm ²	20ms	10

SPOT TREATMENT: DISTINCT VESSELS *Suitable for spot treatment of capillaries 8mm ROUND



I-II	8mm	560nm	Single	16 - 25 J/cm ²	1 st Treatment: 20ms 2 nd Treatment: 15ms 3 rd Treatment: 10ms	15 - 20
III	8mm	560nm	Single	14 – 23 J/cm ²	1 st Treatment: 20ms 2 nd Treatment: 15ms 3 rd Treatment: 10ms	15
IV*	8mm	585nm	Single	10 – 21 J/cm ²	20ms	10

REMINDERS:

- Apply clear ultrasound gel
- Reduce energy by 20% when treatment over bony areas (i.e. forehead)
- 4 - 8 treatment sessions are required
- Body treatments: 6-8 week between treatments.
- Face treatments: 4 weeks between treatments.
- Adjustment of parameter should be made according to skin response /clinical end point.
- Endpoint veins blanching, spasm, darkening, smudging.
- First treatment: start with a longer pulse width.
- **Always perform a test patch and wait a minimum of 20 minutes to check the reaction.**
- **Some skin types and conditions need to be tested, sent away, and assessed several days after testing to assure safe treatment.**
- Treatment can then be done if there are no adverse reactions.
- Make sure the patient has not had any tanning (sunlight or artificial tanning) for one month prior to treatment. Also, the patient should avoid any tanning for the duration of treatment. Usually a single pass is sufficient with room temperature gel. Do not use numbing cream for vessels.

For vessels:

- 560nm and 15ms: the larger the vessel, the longer the pulse duration (milliseconds).
- The first treatment should be set at 20ms, as it will target the larger vessels.
- Larger vessels: Perform spot treatment

PHOTO REJUVENATION FOR REDS AND BROWNS
- DYSCHROMIA / SUN DAMAGE / POIKILODERMA OF CIVATTE -

FIELD TREATMENT : LARGE AREAS

SKIN TYPE	FILTER	TIP	PULSES	FLUENCE	PULSE WIDTH	PULSE DELAY	COOLING (C)
I-II	560nm	40x15mm	Triple	14-22 J/cm ²	1 st Treatment: 20ms 2 nd Treatment: 15ms 3 rd Treatment: 12ms 4 th Treatment: 8ms 5 th Treatment: 5ms	20ms	15 - 20
III	560nm	40x15mm	Triple	12 -20 J/cm ²	1 st Treatment: 20ms 2 nd Treatment: 15ms 3 rd Treatment: 12ms 4 th Treatment: 8ms 5 th Treatment: 5ms	20ms	15

FIELD TREATMENT : SMALL AREAS IE NOSE – 12x12mm SQUARE TIP

I-II	560nm	12x12mm	Triple	14 -24 J/cm ²	1 st Treatment: 20ms 2 nd Treatment: 15ms 3 rd Treatment: 12ms 4 th Treatment: 8ms 5 th Treatment: 5ms	20ms	15 - 20
III	560nm	12x12mm	Triple	12 -22 J/cm ²	1 st Treatment: 20ms 2 nd Treatment: 15ms 3 rd Treatment: 12ms 4 th Treatment: 8ms 5 th Treatment: 5ms	20ms	15

SPOT TREATMENT: DISTINCT VESSELS OR PIGMENTED LESIONS – 8mm ROUND TIP

I-II	560nm	8mm	Triple	14 -25 J/cm ²	1 st Treatment: 20ms 2 nd Treatment: 15ms 3 rd Treatment: 12ms 4 th Treatment: 8ms 5 th Treatment: 5ms	20ms	15 - 20
III	560nm	8mm	Triple	12 -23 J/cm ²	1 st Treatment: 20ms 2 nd Treatment: 15ms 3 rd Treatment: 12ms 4 th Treatment: 8ms 5 th Treatment: 5ms	20ms	15

REMINDERS:

- Apply clear ultrasound gel
- Reduce energy by 20% when treatment over bony areas (i.e. forehead)
- 4 - 8 treatment sessions are required,
- **Always perform a test patch and wait a minimum of 20 minutes to check the reaction.**
- **Some skin types and conditions need to be tested, sent away, and assessed several days after testing to assure safe treatment.**
- **Treatment can then be done if there are no adverse reactions.**
- Adjustment of parameter should be made according to skin response /clinical end point, and amount of chromophore.
- **Suitable for conditions such as sun damage, poikiloderma of civatte**
- Make sure the patient has not had any tanning (sunlight or artificial tanning) for one month prior to treatment. Also, the patient should avoid any tanning for the duration of treatment. Usually a single pass is sufficient with room temperature gel. Do not use numbing cream for vessels.
- Body treatments: 6-8 week between treatments.
- Face treatments: 4 weeks between treatments.

NOTES:

- IPL works best for types 1, 2 or 3 skin (darker skin types typically require a greater number of treatment sessions using LOWER fluence).
- Check previous post-treatment effects before increasing Fluence.
- Perform spot treatment on lesions with Small MultiSpot 8mm or 12mm

General principles for pigment treatment:

- Type 1& 2: 515nm –Superficial pigment - see pigmentation settings.
- Type 3: 560nm>15ms for body areas (off face needs to be a little more gentle as healing times are slower) >10ms on face (a little more aggressive)

General principles for pigment treatment:

- The first treatment should be set at 20ms, as it will target the larger vessels.
- 560nm and 15ms: the larger the vessel, the longer the pulse duration (milliseconds).
- Larger vessels: Perform spot treatment – see vascular settings.

PIGMENTATION
- SUN DAMAGE / FRECKLES -

FIELD TREATMENT : LARGE AREAS

FITZPATRICK	FILTER	TIP	PULSES	FLUENCE	PULSE WIDTH	PULSE DELAY	COOLING (C)
I-II	515nm	40x15mm	Double	12-22 J/cm ²	7ms	20ms	15 - 20
I-II	560nm	40x15mm	Double	14-25 J/cm ²	10ms	20ms	15 - 20
III	515nm	40x15mm	Triple	14- 20/cm ²	7ms	20ms	15
III	560nm	40x15mm	Double	14- 21J/cm ²	10ms	20ms	15
IV*	585nm	40x15mm	Triple	10-16J/cm ²	12ms	20ms	10

FIELD TREATMENT : SMALL AREAS – 12x12mm SQUARE TIP

I-II	515nm	12x12mm	Double	12-24 J/cm ²	7ms	20ms	15 - 20
I-II	560nm	12x12mm	Double	14-27 J/cm ²	10ms	20ms	15 - 20
III	515nm	12x12mm	Triple	14- 22 J/cm ²	7ms	20ms	15
III	560nm	12x12mm	Double	14- 23J/cm ²	10ms	20ms	15
IV*	585nm	12x12mm	Triple	10-18J/cm ²	12ms	20ms	10

SPOT TREATMENT: PIGMENTED LESIONS – 8mm ROUND TIP

I-II	515nm	8mm	Double	12-25 J/cm ²	7ms	20ms	15 - 20
I-II	560nm	8mm	Double	14-28 J/cm ²	10ms	20ms	15 - 20
III	515nm	8mm	Triple	14- 23J/cm ²	7ms	20ms	15
III	560nm	8mm	Double	14-24J/cm ²	10ms	20ms	15
IV*	585 nm	8mm	Triple	10-19J/cm ²	12ms	20ms	10

REMINDERS:

- Apply clear ultrasound gel
- Reduce energy by 20% when treatment over bony areas (i.e. Forehead)
- 4 - 8 treatment sessions are required,
- Body treatments: 6-8 week between treatments.
- Face treatments: 4 weeks between treatments.
- **Recent Skin Check Required Prior To Treating**
- Endpoint slight colour change / darkening

NOTES:

Adjustment of parameter should be made according to skin response /clinical end point.
Use 515nm for superficial pigmentation and 560nm for deeper.

- **Always perform a test patch and wait a minimum of 20 minutes to check the reaction.**
- **Some skin types and conditions need to be tested, sent away, and assessed several days after testing to assure safe treatment.**
- **Treatment can then be done if there are no adverse reactions.**
- Make sure the patient has not had any tanning (sunlight or artificial tanning) for one month prior to treatment. Also, the patient should avoid any tanning for the duration of treatment. Usually a single pass is sufficient with room temperature gel. Do not use numbing cream for vessels.
- * Caution required

ACTIVE ACNE
- BLUE LIGHT -

SKIN TYPE	FILTER	TIP	FLUENCE	PULSE	PULSE WIDTH	COOLING (C)
I-II	430nm	40x15mm	8- 14 J/cm ²	Single	15 – 20ms	15
III	430nm	40x15mm	8 - 12 J/cm ²	Single	20ms	15

CBL GENESIS (GP)
- COLLAGEN INDUCTION -

SKIN TYPE	FILTER	TIP	ENERGY	PULSE	PULSE WIDTH	COOLING (C)
I-II	585nm	40x15mm	8-12J/cm ²	GP	20ms	20
III	585nm	40x15mm	8 - 10 J/cm ²	GP	20ms	20

- Adjustment of parameter should be made according to skin response /clinical end point.
- Reduce the energy by 20% when treating the forehead.
- Usually a single pass is sufficient (up to 2 passes may be performed in subsequent treatments, cross hatch).
- Use room temperature gel.



REMINDERS:

- Apply clear ultrasound gel
- Reduce energy by 20% when treatment over bony areas
- 4 - 8 treatment sessions are required,
- Body treatments: 6-8 week between treatments.
- Face treatments: 4 weeks between treatments.

NOTES:

- **Always perform a test patch and wait a minimum of 20 minutes to check the reaction.**
- **Some skin types and conditions need to be tested, sent away, and assessed several days after testing to assure safe treatment.**
- Treatment can then be done if there are no adverse reactions.
- Make sure the patient has not had any tanning (sunlight or artificial tanning) for one month prior to treatment.
- Patients should avoid any tanning for the duration of treatment.