

Hair Removal Guidelines (755nm)						
Epidermal Skin Type	Spot Size (mm)	Pulse Duration (ms)	Fluence (J/cm ²)	ICD Spray/Delay/Post Spray (ms)	Remarks	Comments
I Fair (Caucasian, Indian, Middle Eastern, Hispanic, Mexican, etc.)	8	3	10-15	40-50	50/50/0 40/50/0	Skin Type VI
	10		15-20			
	12		20-25			
	15		25-30			
	18		30-35			
	20		35-40			
II Fair to Darker Caucasian, Light Asian	8	3	10-15	40/50/0 50/50/0 50/50/0	Facial: 4-6 weeks Trunk & 8 weeks Leg: 10-12 weeks	Treat small area and wait several minutes to evaluate response prior to treating entire area
	10		15-20			
	12		20-25			
	15		25-30			
	18		30-35			
	20		35-40			
IV (Mediterranean, Asian, Hispanic)	8	3	10-15	40/50/0 50/50/0 50/50/0	Facial: 4-6 weeks Trunk & 8 weeks Leg: 10-12 weeks	Skin Type VI and tanned skin
	10		15-20			
	12		20-25			
	15		25-30			
	18		30-35			
	20		35-40			
V Middle Eastern, Hispanic, Asian, Light American, Indian, Native American	8	2	10-15	40/50/0 50/50/0 50/50/0	Facial: 4-6 weeks Trunk & 8 weeks Leg: 10-12 weeks	Pre-test with pre-treatment strength hypo-pigmentation for at least 2 weeks prior to treatment. Test small area and wait 12 weeks prior to treating entire area to evaluate response. ICD may need to be adjusted when treating fluence.
	10		15-20			
	12		20-25			
	15		25-30			
	18		30-35			
	20		35-40			
VI Dark African American	8	3	10-15	40/50/0 50/50/0 50/50/0	Facial: 4-6 weeks Trunk & 8 weeks Leg: 10-12 weeks	Do not treat recently tanned skin Allow time to fade prior to treatment Consider the 1064nm for hair removal treatment on Type VI skin type
	10		15-20			
	12		20-25			
	15		25-30			
	18		30-35			
	20		35-40			

Vascular Lesion Guidelines (755nm)						
Lesion/Skin Type	Spot Size (mm)	Pulse Duration (ms)	Fluence (J/cm ²)	ICD Spray/Delay/Post Spray (ms)	Remarks	Comments
Telangiectasia Face Skin Type VI	8	3	40-50	50/50/0 40/50/0	4-6 weeks	Pulse each area once. Edema may occur. erythema, subtle edema of nasal, eye, and mouth area
	6	20-60	60-80 for diffuse redness 80-90 for discrete vessels	50/50/0		
Telangiectasia Leg Skin Type VI	8	3	50-80	50/50/0	10-12 weeks	Consider longer pulse duration within the recommended range for larger vessels (3 to 1.5 mm). Adjust pulse duration and fluence for blood vessel type. Vasospasm, hypopygium and/or darkening vessel contents
	6	20-60	85-90			
Hemangioma	8	3	60-70	50/50/0 50/50/0	2-4 weeks	Transient graying of skin followed by purpura
Port Wine Stain	8	3	35-85	50/50/0 50/50/0	Face: 8 weeks Dorsal: 12 weeks	

*ICD is an option. ICD is not used another form of epidermal cooling should be used. Skin cooling reduces the risk in temperature in the epidermis, allows for higher tolerated fluence, and provides patient anesthesia. Cold compressor or cold gel pack may be applied immediately before treatment to cool skin and after treatment to remove heat.

Widely Treatment Guidelines (755 nm)						
Skin Type	Spot Size (mm)	Pulse Duration (ms)	Fluence (J/cm ²)	ICD Spray/Delay/Post Spray (ms)	Remarks	Comments
IV-V	12	3	30-40	40/50/0 50/50/0	2-4 weeks	May need cold compressor or cold gel pack immediately after treatment to cool skin and remove heat

*ICD is an option. ICD is not used another form of epidermal cooling should be used. Skin cooling reduces the risk in temperature in the epidermis, allows for higher tolerated fluence, and provides patient anesthesia. Cold compressor or cold gel pack may be applied immediately before treatment to cool skin and after treatment to remove heat.

Range Pigmented Lesions (755 nm)						
Lesion/Skin Type	Spot Size (mm)	Pulse Duration (ms)	Fluence (J/cm ²)	ICD Spray/Delay/Post Spray (ms)	Remarks	Comments
Subacute Keratosis (Skin Type VI)	8	3	60-80	50/50/0 40/50/0	4-6 weeks	Treatment of skin type IV or V is NOT recommended. Start at lowest fluence for treatment area and observe time response. Start by treating smaller lesions, which require lower fluence. SPIN may require higher fluence. Clinician dependent. Observe the lesion under personal observation.
	Solar lentigo, lentigo, dyschromatosis, solar lentigo, melanocytic nevi, melanocytic nevi (Skin Type VI)	10	3			
Solar lentigo, lentigo, dyschromatosis, solar lentigo, melanocytic nevi, melanocytic nevi (Skin Type VI)	12,15	3	30-60	OR	4-6 weeks	The ICD is generally not used for the treatment of range pigmented lesions. For some patients, some types may be benefited by a cooling method such as cold gel pack or cold compressor to help prevent and post heat epidermal cooling may be used.
	18	3	12-30			

Hair Removal Guidelines (1064nm)						
Epidermal Skin Type	Spot Size (mm)	Pulse Duration (ms)	Fluence (J/cm ²)	ICD Spray/Delay/Post Spray (ms)	Remarks	Comments
I Fair Caucasian	8	3, 10, 30	10-15	40-50/0	30/50/0 40/50/0	Consider the 755nm laser for hair removal treatment on Type I skin type
	10		15-20			
	12		20-25			
	15		25-30			
	18		30-35			
	20		35-40			
II Fair to Darker Caucasian, Light Asian	8	3, 10, 30	10-15	40/50/0 50/50/0 50/50/0	30/50/0 40/50/0	Treat small area and wait several minutes to evaluate response prior to treatment
	10		15-20			
	12		20-25			
	15		25-30			
	18		30-35			
	20		35-40			
IV (Mediterranean, Asian, Hispanic)	8	3, 10, 30	10-15	40/50/0 50/50/0 50/50/0	30/50/0 40/50/0	Facial: 4-6 weeks Trunk & 8 weeks Leg: 10-12 weeks
	10		15-20			
	12		20-25			
	15		25-30			
	18		30-35			
	20		35-40			
V Middle Eastern, Hispanic, Asian, Light American, Indian, Native American	8	3, 10, 30	10-15	40/50/0 50/50/0 50/50/0	30/50/0 40/50/0	Cold compressor or cold gel pack may be applied after treatment to cool skin and remove heat
	10		15-20			
	12		20-25			
	15		25-30			
	18		30-35			
	20		35-40			
VI Dark African American	8	3, 10, 30	10-15	40/50/0 50/50/0 50/50/0	30/50/0 40/50/0	Increase fluence in a 2 (cm) 2 increment until this response is seen. Balance between heat bearing and ICD cooling of skin.
	10		15-20			
	12		20-25			
	15		25-30			
	18		30-35			
	20		35-40			

Vascular Lesion Guidelines (1064 nm)						
Lesion	Spot Size (mm)	Pulse Duration (ms)	Fluence (J/cm ²)	ICD Spray/Delay/Post Spray (ms)	Clinical Endpoint & Re-treatment	If Clinical Endpoint NOT Achieved
Telangiectasia Leg Vessels < 0.5mm	1.5	20-60	Start with 300	10 ms spray/20 ms delay/50 ms post spray	Vasodilation, vasospasm and/or darkening of vessel contents Dilute/Retreat @ 12 weeks apart	1. Decrease pulse duration 2. Increase fluence incrementally until desired result is achieved up to a maximum of 300J/cm ² with 3mm spot size and up to 1000J/cm ² with 1.5mm spot size
Telangiectasia Leg Vessels < 1.0mm	3	40-60	Start with 200	15-20 ms spray/20 ms delay/70 ms post spray	Post treatment Cold compressor or cold gel pack may be applied after treatment to cool skin and remove heat	No post spray should be used on skin type VI-VI
Telangiectasia Leg Vessels < 1.5mm	3	40-60	Start with 200	15 ms spray/20 ms delay/70 ms post spray	Vasodilation, vasospasm and/or darkening of vessel contents Dilute/Retreat @ 12 weeks apart	Increase fluence incrementally until desired result is achieved up to a maximum of 300J/cm ² No post spray should be used on skin type VI-VI
Telangiectasia Leg Vessels < 1.5-3.0mm	3	60	Start with 180	15 ms spray/20 ms delay/70 ms post spray	Cold compressor or cold gel pack may be applied after treatment to cool skin and remove heat	Increase fluence incrementally until desired result is achieved up to a maximum of 300J/cm ² No post spray should be used on skin type VI-VI
Telangiectasia Leg Vessels < 0.5mm	1.5	20-30	180		Vasodilation, vasospasm and/or darkening of vessel contents Dilute/Retreat @ 12 weeks apart	Increase fluence incrementally until desired result is achieved
Telangiectasia Leg Vessels < 0.5mm	1.5	30-60	160		40 ms spray/20 ms delay/70 ms post spray Cold compressor or cold gel pack may be applied after treatment to cool skin and remove heat	Increase fluence incrementally until desired result is achieved
Telangiectasia Leg Vessels < 0.5mm	1.5	20	Start with 300	10 ms spray/20 ms delay/50 ms post spray	Vasodilation, vasospasm and/or darkening of vessel contents Dilute/Retreat @ 12 weeks apart Cold compressor or cold gel pack may be applied after treatment to cool skin and remove heat	Increase fluence incrementally until desired result is achieved up to a maximum of 300J/cm ² No post spray should be used on skin type VI-VI
Telangiectasia Facial Vessels < 1.5mm	3	30	130	40 ms spray/20 ms delay	Vasodilation, vasospasm and/or darkening of vessel contents Dilute/Retreat @ 12 weeks apart Cold compressor or cold gel pack may be applied after treatment to cool skin and remove heat	No post spray should be used on skin type VI-VI

Widely Treatment Guidelines (1064 nm)					
Area	Spot Size (mm)	Pulse Duration (ms)	Fluence (J/cm ²)	ICD Spray/Delay/Post Spray (ms)	Remarks/Comments
Face & Neck	10	50	50	40/50/0	4-5 treatments performed monthly
Forearm	10	50	40-60	40/50/0	