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QUICK REFERENCE GUIDELINE

etherea MX

ETHEREA-MX®

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VERSION 1.2 - NOVEMBER 2017

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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

EPILATION						
FITZPATRICK	HAIR PHYSIOLOGY		FLUENCE	λ	PULSE WIDTH	COOLING LEVEL
	COLOR	THICKNESS				
I-II	black	normal/thick	16-22 J/cm²	640 nm	20 ms	IV-V
III	black	normal/thick	14-19 J/cm²	640 nm	20 ms	IV-V
III-IV	black	normal/thick	16-20 J/cm²	640 nm	30 ms	IV-V
III-IV	black	thick/deep	15-19 J/cm²	695 nm	30 ms	V
I-III	light	thin/normal	12-16 J/cm²	580 nm	30 ms	IV-V
IV-V	black	normal/thick	14-19 J/cm²	640 nm	40 ms	IV-V
IV-V	black	thick/deep	13-18 J/cm²	695 nm	40 ms	V
V	black	normal/thick	10-16 J/cm²	640 nm	50 ms	IV-V
V	black	normal/thick	10-18 J/cm²	640 nm	100 ms	IV-V
V	black	thick/deep	10-16 J/cm²	695 nm	50 ms	V
V	black	thick/deep	10-17 J/cm²	695 nm	100 ms	V

PIGMENTARY LESIONS						
FITZPATRICK	TIP	LESION	FLUENCE	λ	PULSE WIDTH	COOLING LEVEL
I-II	40x12 mm	superficial	13-17 J/cm²	540 nm	10 ms	II-III
I-II	40x12 mm	superficial	13-19 J/cm²	540 nm	15 ms	II-III
I-II	40x12 mm	deep	13-19 J/cm²	580 nm	15 ms	II-III
I-II	12x12 mm	superficial	16-16 J/cm²	540 nm	10 ms	V
I-II	12x12 mm	superficial	14-19 J/cm²	540 nm	15 ms	V
I-II	8 mm	superficial	14-18 J/cm²	540 nm	10 ms	V
I-II	8 mm	superficial	14-19 J/cm²	540 nm	15 ms	V
III	40x12 mm	superficial	12-17 J/cm²	540 nm	15 ms	II-III
III	40x12 mm	deep	13-18 J/cm²	580 nm	15 ms	II-III
III	12x12 mm	superficial	13-17 J/cm²	540 nm	15 ms	V
III	8 mm	superficial	13-18 J/cm²	540 nm	15 ms	V
IV	40x12 mm	superficial	10-16 J/cm²	540 nm	15-20 ms	II-III
IV	40x12 mm	deep	1-16 J/cm²	580 nm	20 ms	II-III
IV	12x12 mm	superficial	13-18 J/cm²	540 nm	15-20 ms	V
IV	8 mm	superficial	13-17 J/cm²	540 nm	15-20 ms	IV-V
V	40x12 mm	deep	10-15 J/cm²	580 nm	20 ms	II-III
I-II	12x12 mm	dark circles	14-16 J/cm²	540 nm	15-20 ms	V
III-IV	12x12 mm	dark circles	14-16 J/cm²	580 nm	15-20 ms	V
I-II	40x12 mm	ocher dermatitis	14-16 J/cm²	580 nm	15-20 ms	V
III-IV	40x12 mm	ocher dermatitis	14-16 J/cm²	640, 580 nm	15-20 ms	V

VASCULAR LESIONS						
FITZPATRICK	TIP	VESSEL THICKNESS	FLUENCE	λ	PULSE WIDTH	COOLING LEVEL
I-II	40x12 mm	< 0.3 mm	13-18 J/cm²	540 nm	10 ms	V
I-II	40x12 mm	> 0.3 mm	14-19 J/cm²	540 nm	15 ms	V
I-II	40x12 mm	> 0.3 mm	13-18 J/cm²	580 nm	15 ms	V
I-II	12x12 mm	< 0.3 mm	16-19 J/cm²	540 nm	10 ms	V
I-II	12x12 mm	> 0.3 mm	17-19 J/cm²	540 nm	15 ms	V
I-II	8 mm	< 0,3 mm	16-20 J/cm²	540 nm	10 ms	V
I-II	8 mm	> 0.3 mm	19-22 J/cm²	540 nm	15 ms	V
III	40x12 mm	< 0.3 mm	13-16 J/cm²	540 nm	10 ms	V
III	40x12 mm	> 0.3 mm	13-17 J/cm²	540 nm	15 ms	V
III	40x12 mm	> 0.3 mm	14-19 J/cm²	580 nm	20 ms	V
III	12x12 mm	< 0.3 mm	14-17 J/cm²	540 nm	10 ms	V
III	12x12 mm	> 0.3 mm	15-19 J/cm²	540 nm	15 ms	V
III	8 mm	< 0.3 mm	15-18 J/cm²	540 nm	10 ms	V
III	8 mm	> 0.3 mm	15-21 J/cm²	540 nm	15 ms	V
IV*	40x12 mm	< 0.3. mm	13-17 J/cm²	580 nm	15 ms	V
IV*	40x12 mm	> 0.3 mm	14-18 J/cm²	580 nm	20 ms	V
IV*	12x12 mm	< 0.3. mm	14-18 J/cm²	540 nm	20 ms	V
IV*	8 mm	< 0.3 mm	15-19 J/cm²	540 nm	20 ms	V

I-III	angioma	17-24 J/cm²	540 nm	20 ms	V
I-III	spider hemangioma	16-24 J/cm²	580 nm	20 ms	V
		17-24 J/cm²	540 nm	10 ms	
I-III	poikiloderma	14-20 J/cm²	540 nm	15 ms	V
		14-19 J/cm²	540 nm	20 ms	
I-III	hemangioma	16-20 J/cm²	540 nm	10-20 ms	V
		18-22 J/cm²	580 nm	10-20 ms	
I-III	cherry hemangioma	19-26 J/cm²	540 nm	40 ms	V
I-III	rosacea	15-19 J/cm²	540 nm	10-15 ms	V

REJUVENATION				
FITZPATRICK	FLUENCE	λ	PULSE WIDTH	COOLING LEVEL
I-II	12-18 J/cm²	640-695 nm	30-40 ms	IV-V
III	10-16 J/cm²	640-695 nm	30-40 ms	IV-V
IV	10-16 J/cm²	640-695 nm	50-100 ms	IV-V
V	10-18 J/cm²	695 nm	100 ms	V
VI	8-16 J/cm²	695 nm	100 ms	V

ACTIVE ACNE						
FITZPATRICK		PASS	FLUENCE	λ	PULSE WIDTH	COOLING LEVEL
I-II	PUSTULAR	1 PASS	13-16 J/cm²	400 nm	100 ms	IV-V
I-II	PUSTULAR	2 PASSES	12-19 J/cm²	400 nm	30 ms	IV-V
I-II	INFLAMMATION	1 PASS	10-18 J/cm²	640-695 nm	100 ms	IV-V
I-II	INFLAMMATION	2 PASSES	9-12 J/cm²	400 nm	30-40 ms	IV-V
III-IV	PUSTULAR	1 PASS	10-14 J/cm²	400 nm	100 ms	IV-V
III-IV	PUSTULAR	2 PASSES	8-10 J/cm²	400 nm	40 ms	IV-V
III-IV	INFLAMMATION	1 PASS	9-17 J/cm²	640-695 nm	100 ms	IV-V
III-IV	INFLAMMATION	2 PASSES	8-10 J/cm²	400 nm	40-50 ms	IV-V
V-VI	PUSTULAR	1 PASS	9-12 J/cm²	400 nm	100 ms	V
V-VI	PUSTULAR	2 PASSES	6-10 J/cm²	400 nm	50 ms	V
V-VI	INFLAMMATION	1 PASS	8-16 J/cm²	695 nm	100 ms	V
V-VI	INFLAMMATION	2 PASSES	6-10 J/cm²	400 nm	50 ms	V

RED STRETCH MARKS						
FITZPATRICK		PASS	FLUENCE	λ	PULSE WIDTH	COOLING LEVEL
I-II		1 PASS	10-16 J/cm²	640 nm	100 ms	V
I-II		2 PASSES	14-18 J/cm²	540 nm	15-20 ms	V
III-IV		1 PASS	9-17 J/cm²	640-695 nm	100 ms	V
III-IV		2 PASSES	14-18 J/cm²	580 nm	15-20 ms	V

RECENT SCARS						
FITZPATRICK			FLUENCE	λ	PULSE WIDTH	COOLING LEVEL
I-II			14-16 J/cm²	540 nm	15-20 ms	V
I-II			14-18 J/cm²	580 nm	15-20 ms	V
III-IV			14-16 J/cm²	540 nm	20 ms	V
III-IV			14-18 J/cm²	580 nm	15-20 ms	V

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