

MeDioStar-family

Overview

MeDioStar family

MeDioStar

BASIC mode only

MeDioStarPRO

**includes
BASIC-, PRO1- and PRO2-mode**

MeDioStarPRO-V

**includes
BASIC-, PRO1- and PRO2- and VASCU-mode**

Features

Most Versatile Epilation Laser with PRO-V Upgrade

- easy to start with (BASIC)
- additionally adjustment of pulse duration (PRO) for individual treatments by professionals
- pulse interval to switch on / off (PRO1 – PRO2) for individual treatments by professionals
- more clients with vascular treatments (PRO-V)

Features Epilation

Fastest Available High Power Diode Laser :

- high power diode
- large spot sizes
- high repetition rates

Shortest treatment times:

8 1/2" x 11" can be treated in:

less than 5 minutes

with *MeDioStar* 12mm, 1.5Hz
or *MeDioStar* 14mm, 1Hz

Features

Best Clinical Outcome Epilation

efficient treatment: - high melanin absorption with 810nm
 - large spots
 - individual parameters

✍ E.-J. Fiskerstrand:

34 patients, skin type II – III, 3 treatments,
light brown to dark hair, upper lip + 3 patients bikini line
side by side comparison LightSheer (9x9) vs. MeDioStarPRO(12mm)
40J/cm², 17(!) out of 34 with 43% clearing ✍ obviously 17 satisfied

✍ A.J. Nemeth:

75 patients, 42 untreated (DeNovo)
skin type I – VI, 84% II – III
3-8 treatments, 619 sessions altogether
62% clearing after 3rd treatment
better result for more than 30 ,old' clients, who were unsatisfied
with treatment from other lasers

✍ N.S. Sadick:


20 patients, skin type I – IV, 3 treatments
axilla, bikini line, hair colour: light – dark brown
75% clearing 6 month after 3rd treatment


Features

Best Clinical Outcome Epilation

very low risk of side effects:

- large therapeutical window because of the 810nm wavelength (distance between melanin- and water/blood-absorption)
- efficient contact cooling
- homogeneous spot

 **E.-J. Fiskerstrand:** less erythema than LightSheer in all patients
less burnt hair on the surface of the skin

 **A.J. Nemeth:**
only 0.64% side effects, that was transient post inflammatory hyperpigmentation after crusting
(4 treatments out of 619 with skin type I – VI !!)

Features

Clinical Outcome vascular treatments

Dr. Kykalova (first // second case report):

- 9 // 24 patients
- blue leg veins between 0.5 – 2mm // 1 – 4mm
- skin type I – III
- fluence 130 – 150J/cm² // fluence reduced to 90 – 110J/cm²
- number of treatments: average 3 (2 - 5)
- results (2 months after 3rd treatment):
 - small veins (up to 2mm): 70% complete healing
 - medium vessels (2-3mm): 50% complete healing
 - large vessels (4mm): recurrency after 3rd treatment 70%,
more treatments, higher fluence necessary

Uni Jena, Dr. Konrad:

- 30 patients
- blue vessels between 0.5 and 2mm diameter
- fluence between 60 and 100J/cm²
- 6 months after therapy:
 - 6% total resolvment of lesions
 - 23% significant regression
 - 15% improvement

Specs

<i>Laser Type:</i>	high-power diode
<i>Wavelength:</i>	810nm
<i>Frequency:</i>	up to 4Hz up to 2Hz in PRO- and VASCU-mode
<i>Beam Delivery:</i>	fiber bundle with contact handpiece
<i>Spot Size:</i>	14mm, 12mm (standard), 10mm, Upgrade PRO-V: 6mm

Advantages of *MeDioStar* with PRO mode

ONE laser for ALL

- easy to use to start with - BASICmode
- optimal results for professionals – PROmodes

BASIC mode

- easy to use:
 - select fluence (dependent on skin type)
 - select treatment speed ✍ ✍ READY
- automatic adjustment of pulse duration
- skin protection by pulse interval (STEP^{PULSE})

PRO1 mode

- selection of pulse duration possible*
- skin protection by pulse interval (STEP^{PULSE})

PRO2 mode

- selection of pulse duration possible*
- no pulse interval

*limits are dependent on fluence and spot size

Advantages of *MeDioStar* with PRO-V mode

includes BASIC, PRO1 and PRO2

VASCU mode

- fluence up to 130J/cm²
- selection of pulse duration possible
- no pulse interval

Specs - FLUENCE

BASIC-, PRO-mode:

Spot Ø 12 mm: max. 44 J/cm² (PRO2 max. 32J/cm²)

Spot Ø 10 mm: max. 64 J/cm² (PRO2 max. 47J/cm²)

Spot Ø 14 mm: max. 32 J/cm² (PRO2 max. 24J/cm²)

VASCU-mode: 6mm: max. 130 J/cm²

*limits are dependent on fluence and spot size

Specs – TIME (MeDioStar with PRO-mode)

Fluence J/cm ²	Spot mm	Pulse Length*/ms PRO1	Pulse Length/ms PRO2	Pulse Length*/ms BASIC
20	14	86 – 140	86 – 140	86
	12	63 – 140	63 – 140	63
	10	44 – 140	44 – 140	44
30	14	129 – 140	129 – 140	129
	12	95 – 140	95 – 140	95
	10	66 – 140	66 – 140	66
40	12	127 – 140	127 – 140	127
	10	88 – 140	88 – 140	88
50	10	110 – 140	110 – 140	110

* **STEP**^{PULSE} : displayed numbers, interval of 40ms not included

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Specs – TIME (MeDioStar VASCU-mode)

Fluence J/cm²	Pulse Length/ms VASCU
60	48 – 140
70	55 – 140
80	63 – 140
90	71 – 140
100	79 – 140
110	87 – 140
120	95 – 140
130	103 – 140
140	111 – 140
150	119 – 140

Specs - SPEED

Repetition Rate for standard spot size 12mm:

BASIC

1Hz up to 44J/cm²
1.5Hz up to 41J/cm²
2Hz up to 31J/cm²
3Hz up to 20J/cm²
4Hz up to 15J/cm²

PRO1

1Hz up to 44J/cm²
1.5Hz up to 41J/cm²
2Hz up to 31J/cm²

PRO2

1,5Hz up to 32J/cm²
2Hz up to 31J/cm²

Repetition Rate for spot size 6mm:

VASCU

1,5Hz bis zu 130J/cm²
2Hz bis zu 122J/cm²