

Morpheus8 Body Tip Treatment Parameters

- **Depth** –2mm, 3mm, 4mm, 5mm, 6mm, 7mm.
- **Energy** – May reach 60 energy levels in all Modes, but upper limit recommended is 30 energy levels for Burst and Fixed Mode and Cycle Mode at 2-4 mm depth and 40 energy levels for Cycle Mode with the Body tip at 4-7 mm depth.
- **Cycle Mode** - needles penetrate and retract from the tissue with every pulse
- **Fixed Mode** - needles are continuously deployed at programable depth while footswitch is activated. The needles retract back and energy delivery terminates once the footswitch is released. It can be used for stacking of pulses when required.
- **Burst Mode** - the energy is delivered automatically at 2-3 different tissue layers within the same single cycle. When activated, the needles are deployed into the tissue and when retracts the needles are stopped every 2 mm in subdermal space and RF energy is delivered.
 - when choosing treatment depth of 7 mm the energy is delivered at 7, 5 and 3 mm.
 - when choosing treatment depth of 6 mm the energy is delivered at 6, 4 and 2 mm.
 - when choosing treatment depth of 5 mm the energy is delivered at 5 and 3 mm.
 - when choosing treatment depth of 4 mm the energy is delivered at 4 and 2 mm.
- **Repetition** – can be set to single pulse mode or autorepeat mode when pulses are delivered automatically with predetermined pulse repetition rate:
 - In Cycle Mode – Single, 0.5 and 1pps.
 - In Fixed Mode – 0.5, 1.0 and 1.5pps. No Single pulse.
 - In Burst Mode – Single, 0.5 and 1pps.

Treatment Areas	Depths mm	Energy Levels	Mode	Number of Passes
<i>Subdermal treatment.</i> Body areas with thickness of subcutaneous fat <1cm, e.g. lax and wrinkly skin	2 - 4	20 - 30	Cycle	1 - 3
	2 - 4	15 - 20	Fixed	
	4	10 - 20	Burst	
<i>Mid-depth treatment.</i> Body areas with thickness of subcutaneous fat ~1cm, e.g. stretch marks	4 - 5	25 - 30	Cycle	1-3
		20 - 30	Fixed	
		10 - 25	Burst	
<i>Deep treatment.</i> Body areas with thickness of subcutaneous fat of >1cm, e.g. cellulite	5 - 7	30 - 40	Cycle	1 - 3
		25 - 30	Fixed	
		15 - 30	Burst	

Please note: When switching from Cycle/Fixed Mode with Depth Settings 1, 2 or 3mm to Burst Mode, the Depth Settings will be automatically adjusted to 4mm.

- Treatment may be applied to all skin types. When treating dark skin restrict energy, starting at energy level 8 or lower, and avoid treating or treat with caution over bone and curved areas, preferably following bleaching regimen.
- The deeper the treatment, the higher RF energy that may be applied.
- Further ~20% reduction on thin skin over bone, like area above knee.
- Methods of Anesthesia:
 - Topical anesthetic for 45-60 min – limited to energy and depth as tolerated by the patient, depending on the percent of numbing ingredients and patient sensitivity.
 - Some patients require Intramuscular pain injection or p.o. pain control/sedation for higher energy.
 - The Pro-Nox Nitrous Oxide Delivery System analgesic can be used in addition to other pain management measures.
 - Local anesthesia with or without tumescent or IV sedation is usually applied when doing more invasive surgical procedures and then higher energy levels and deeper treatment may be used.

- When applying deep treatment settings (cutaneous plexus and subpapillary plexus are involved) patient is expected to develop mild to significant bruising throughout the treatment area. Bruising develops following treatment and is typically, most noticeable 24 to 48 hours after treatment. Bruising typically resolves within 5 to 10 days.
- When multiple depth treatment is required, use Burst Mode:
 - To minimize epidermal mechanical and thermal damage.
 - To reduce treatment time.
 - To provide more uniform treatment of the area.

Pre-Treatment

- Stop anticoagulants 7-10 days prior to treatment, if medically permitted.
- Prior to the treatment inspect the tips for any damage.
- Using complete contact and firm pressure (not excessive!), apply a few **test spots** and wait 10-15min for light skin and longer for dark skin. If the spot pattern is uneven, remove the tip and apply a new tip.
- Start with several low-energy test pulses; if skin response and patient's tolerance allow – gradually increase parameters.
- Remove numbing cream from treatment area – clean and degrease skin with cleanser and 70% rubbing alcohol.

Treatment Procedure

- Apply the handpiece perpendicular to the treated area, with complete contact and firm pressure (not excessive!). To improve coupling between the skin and the tip stretch skin on very soft tissue or pinch on bony areas.
- Ensure that the patient is steady and still during the procedure and provide additional support with towels or pillows.
- On bony areas use with extra caution: reduce the energy levels, use 2 - 3mm Depth settings. Exclude zones with extremely thin skin and high curvature such as knees.
- When performing treatment, move the handpiece to the adjacent area with overlap of approximately 30-50%.
- 1 - 2 additional pulses may be triggered at the same site (Stacking) in Fixed Mode. However, DO NOT stack pulses on bony areas and superficial planes at 1-2mm depth.
- If gaps are visible after the full area treatment, they may be re-treated immediately.
- Occasionally, an additional 1 - 3 passes are necessary to optimize results. Wait until the full area is treated before attempting a second/third pass, allowing for a delayed response. An additional pass may be applied in a different direction to the first pass, to ensure complete area coverage.
- The endpoints are minimal to substantial erythema and edema, often accompanied by tingling heat sensation. Minor pin-point bleeding may be observed.
- Clean patient's skin with clean dry gauze frequently to remove skin and blood debris.
- Occasional cleaning of tip (every ~200 pin penetrations) with alcohol-swabs will improve coupling and reduce the risk of RF arcing. At ~1500 penetrations, discard the tip.

Post-treatment

- Cooling the skin can reduce discomfort and excessive skin response.
- Apply healing ointment or antibiotic ointment, immediately post treatment for 1-3 days.
- As soon as the pin holes close (1-3 days), apply moisturizer and sun-screen. Makeup may be applied.

Treatment schedule

- The number of treatment sessions is individual and depends on treatment parameters. Typically, high energies treatments require 1-3 sessions every 3-6 weeks. Lower energies treatments require 2-4 sessions every 3-6 weeks.
- Maintenance session is recommended every ~6 months, according to needs.

Tips

- Use firm pressure to ensure good contact and coupling of the tip. Do not use excessive pressure, as tip footprint may be left on the skin for a while.
- Do not slide tip over the treatment area to avoid skin scratching. Make sure to lift and place the tip for complete placement and apply pressure before pulsing. If needed, stretch the skin with the other hand.
- Cooling the treated skin is recommended after the treatment to relieve discomfort.
- During treatment, air cooling may be used to increase comfort prior, during and after the procedure. If other means of cooling are employed, use clean technique and make sure skin remains completely dry by wiping with sterile gauze to prevent arcing and to facilitate maximum coupling.
- Avoid treating over superficial injected areas with natural fillers, or very recent Botox injection.