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Fractional RF Microneedle™



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Consultation

- Chief Complaint
- History & Physical-
 - HSV infection, Isotretinoin use in the last 6 mos, smoking history, UV exposure history
 - Scars, dyschromias, rhytids, skin phenotype i.e thickness, pore size, sebaceous secretions, acne history and scarring, actinic/ photodamage
- Indications
- Contraindications
- Procedure
- Post op Care



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INDICATIONS

- **Face**

- Lifting/ tightening
- Rhytids
- Pores
- Acne scar/ acne
- Scars
- Skin Rejuvenation(Whitening, Tightening, Gloss)

- **Body**

- Stretch marks/ striae
- Scars

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Contraindication

- Active Skin Infection
- Autoimmune disease
- Poorly controlled Diabetics
- Keloid formers
- Pregnancy
- Skin Cancers

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Patient Skin Preparation

- Cetaphil Soap wash
- Chlorhexidine gluconate-disinfectant
- Anesthesia- Topical vs Blocks
- Warm 0.9% NaCl saline Wash
- Treatment



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Topical Anesthesia (#1)

- Benzocaine/Lidocaine/Tetracaine
20/8/8%
 - 30 minute application
- Quick to apply
- More bruising- vasodilation
- Great for low settings and younger patients



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Topical Anesthesia (#2)

- 10% TCA peel- max 2 minutes
 - 0.9% NaCl saline wipe
 - Sodium Bicarb (optional)

- Lidocaine with adrenaline for 30 min
 - Good Analgesia
 - Less Bruising
 - Skin Prep
 - Better for more damaged skin



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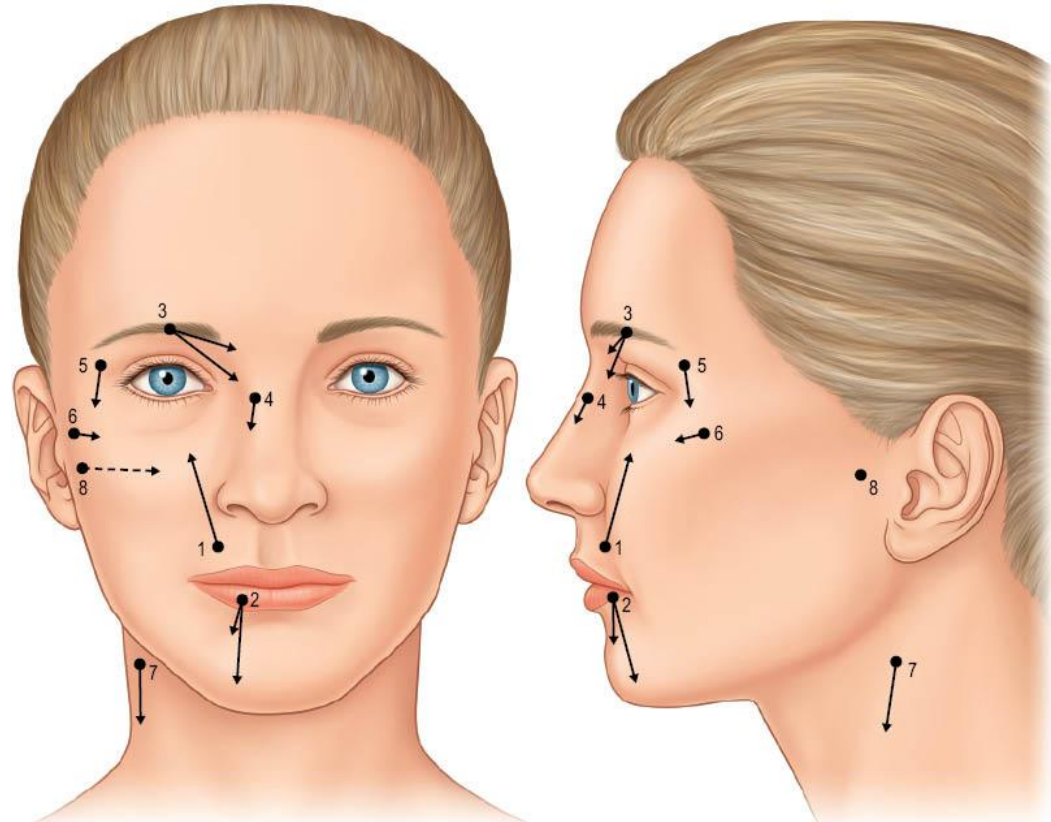
Facial Blocks

- 1. Infraorbital N.
- 2. Mental N.
- 3. Supraorbital/Supratrochlear N.
- 4. Dorsal Nasal N.
- 5. Zygomaticotemporal N.
- 6. Zygomaticofacial N.
- 7. Greater Auricular N.
- 8. Trigeminal N (V3).

Lidocaine 1-2% with or without epi

Max dose: - epi: 4.5mg/kg (300mg)

+ epi: 7mg/kg (500gm)



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Treatment Setting



Depth Setting

Power Setting

Direction of Procedure

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Depth Gauge

- Depths are Adjustable in 4 different levels



Needle Depth	Body insertion depth	In body RF Range	Application
0.5mm	0.4mm	0.3mm~0.9mm	Rejuvenation, Tightening, Pores, Acne
0.8mm	0.6mm		
1.5mm	1.2mm	0.9mm~1.5mm	Light Scars
2.0mm	1.8mm	1.3mm~2.1mm	Deep Scars, Lifting

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Depth Gauge

Treatment directions
and areas

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Power Level

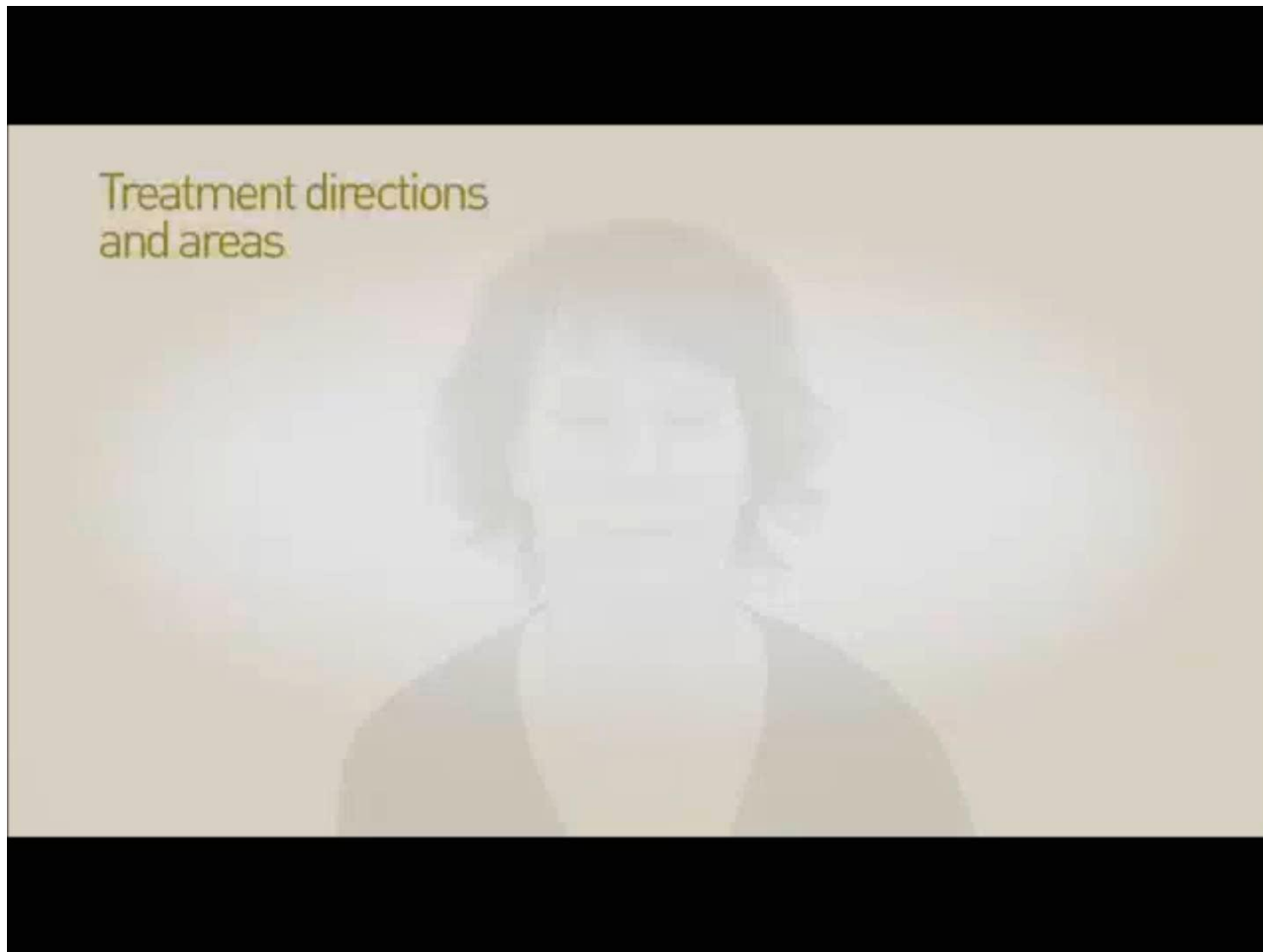
- Superficial Rhytids, skin rejuvenation/ tightening
 - Level 1,2,3
- Scars, Acne Scars, Deep Striae
 - level 4,5,6



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Treatment Direction



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Treatment



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Post Treatment



Before Treatment



After treatment

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Post Op Care

- Hydro intense mask immediately after procedure and before bedtime
- Moisturizer cream with SPF daily
- Consider systemic antibiotics for active acne
- Consider anti-Virals for Herpetic prophylaxis
- Makeup after 24 hours
- Skin care Regimen



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Clinical Cases



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Case 1

Facial Tightening

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Case 2

Facial Tightening

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Case 3

Secondary Facelift and INTRAcel

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Case 4

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Case 5

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Case 6

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Thank You