

Neck Rejuvenation without a Neck Lift

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25th State-of-the-Art in Facial Aesthetics

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Disclosures

Suneva Medical – Instructor

Merz – Advisory Board

Daiichi Sankyo – Advisory Board

NO financial interests in any company in this presentation

Will use device brand names due to lack of distinguishing generic names

Neck Rejuvenation: More Options

Plast Reconstr Surg 2006

SPECIAL TOPIC

Neck Rejuvenation Revisited

Rod J. Rohrich, M.D.
Jose L. Rios, M.D.
Paul D. Smith, M.D.
Karol A. Gutowski, M.D.

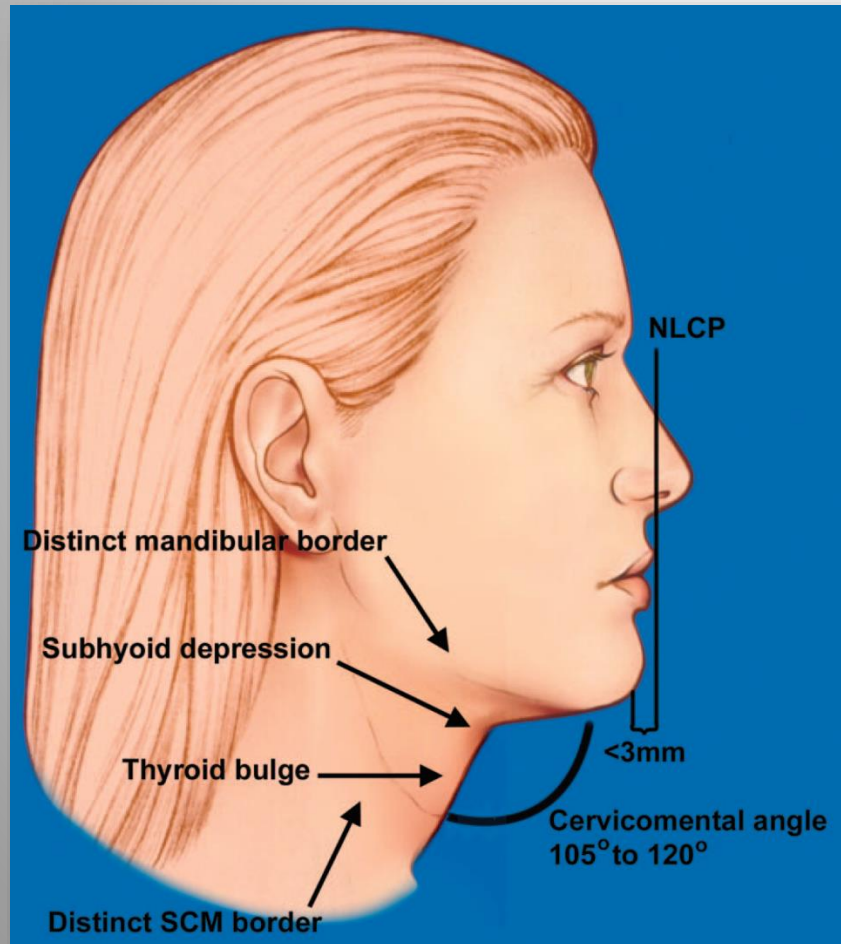
*Dallas, Texas; Tampa, Fla.; and
Madison, Wis.*

Purpose: Restoration of the aesthetic neck contour is an integral component of facial rejuvenation. Multiple deformities of the neck and chin complex can make treatment of the cervical region daunting. An algorithmic approach to neck rejuvenation based on individual anatomic and clinical analysis is prudent. The authors created a simplified anatomic approach to the most common cervical deformities encountered in the patient seeking facial rejuvenation.

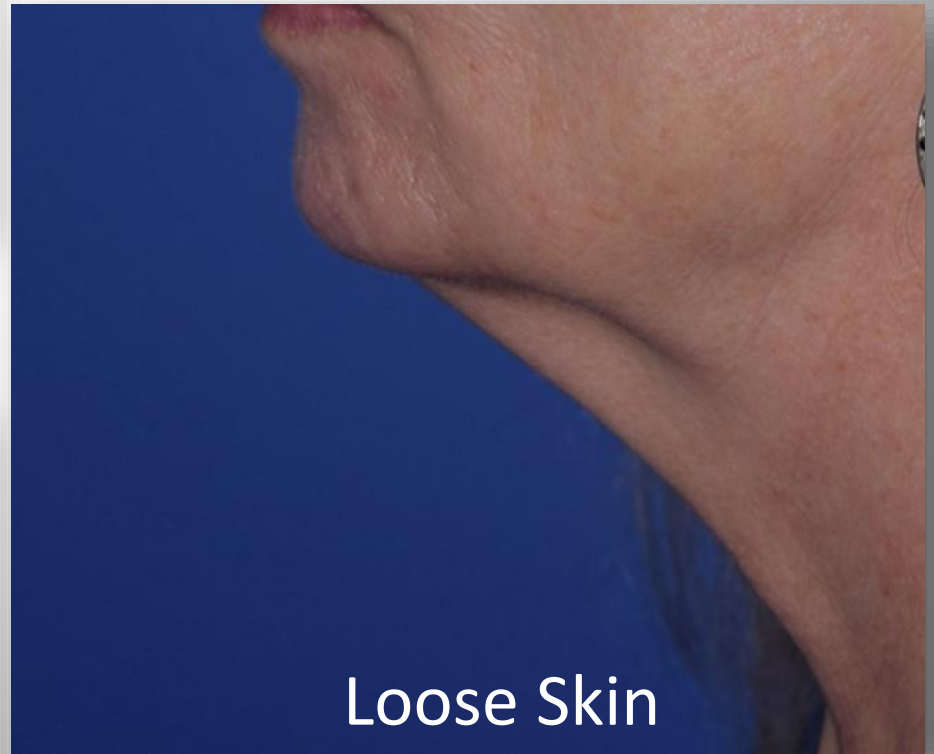
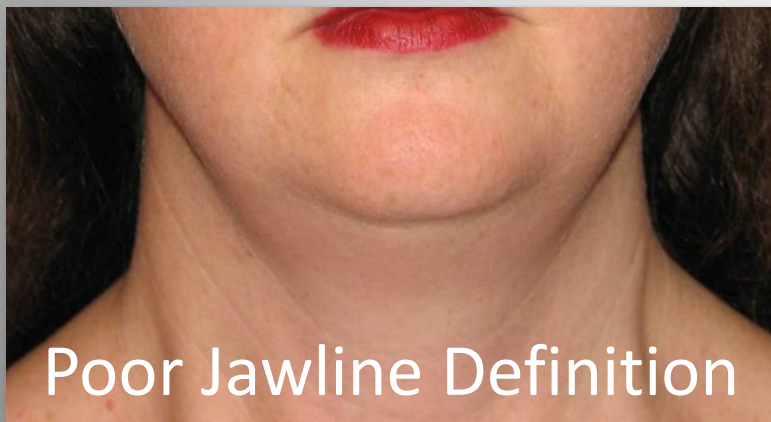
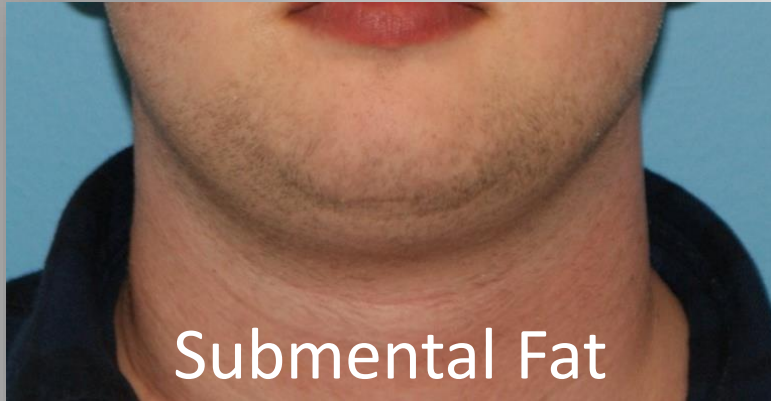
- Liposuction (SAL or UAL)
- Chin Implant
- Neuromodulator
- Neck +/- Face Lift

Ideal Neck

Over stylized & not realistic in most patients



Top 3 Issues To Address



Patient Expectations

- Show them your real results
- Neck will continue to age
- Baseball analogy: 1st base vs 2nd base vs homerun.....or strikeout
- If they want **this result**, they need a **neck lift**



Options

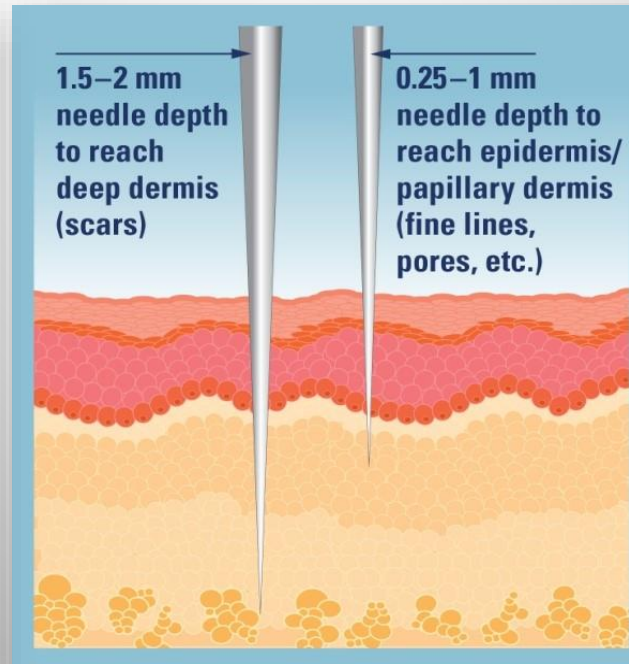
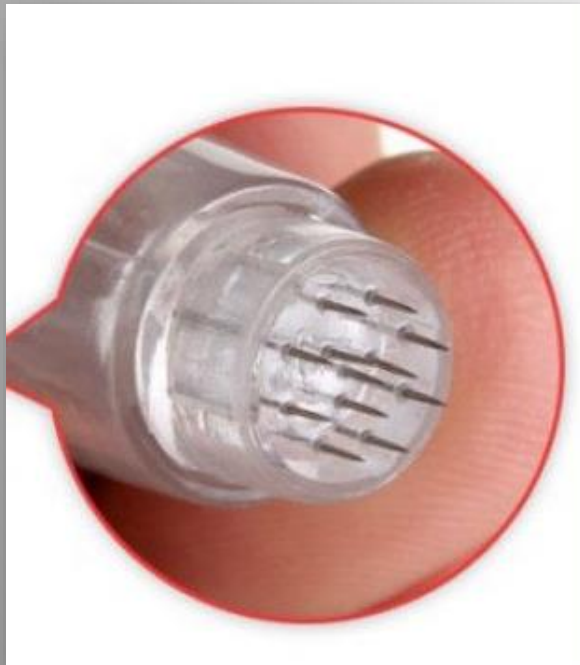
- External Energy Devices
 - Radio Frequency (many)
 - Micro Focused Ultrasound (Ulthera)
- Cryolipolysis (CoolSculpting)
- Neuromodulators (for platysmal bands)
- Percutaneous Collagen Induction (Micro Needling)
- Injection Lipolysis (Kybella)
- Thermi RF
- Liposuction
 - Laser Assisted Liposuction
- Suture lifts
- Chin implant
- Fillers

Filler for Horizontal Lines

- Hard to fix long-term
- Fillers: Variable results
- Few repeat patients
- Better for younger patients with good skin



Needle Collagen Induction

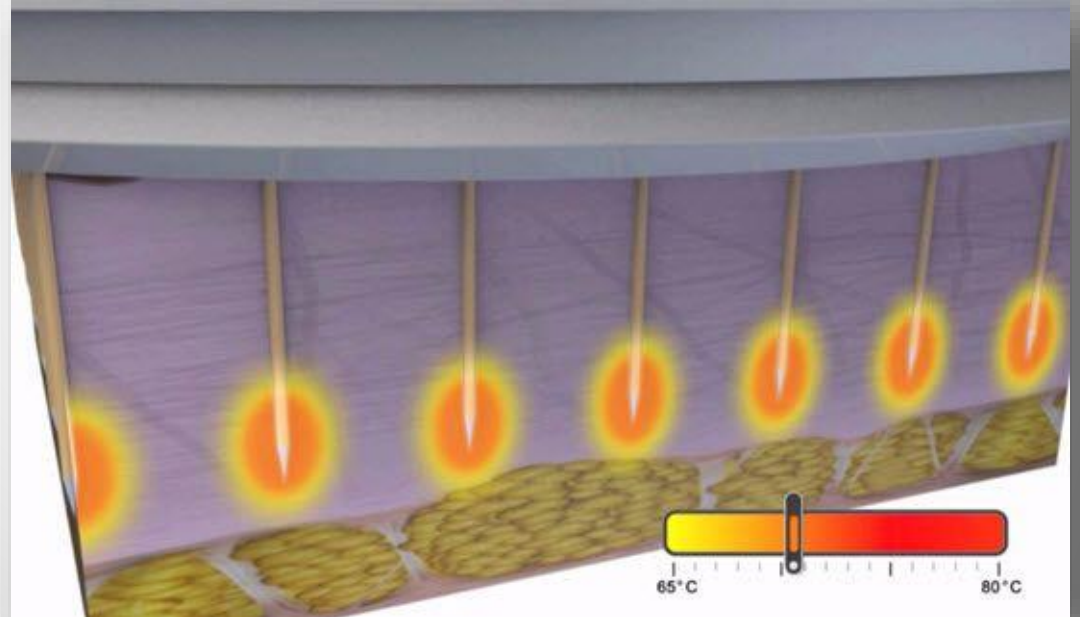


Needle Collagen Induction



Not my results

RF Needle Collagen Induction



Mechanical vs Radio Frequency Micro Needling

Mechanical

- Inexpensive
 - \$3000 to \$4500 per unit
 - <\$100 consumables
 - \$250 to \$400 per treatment
- PIH rare
- Slight bleeding
- < 1 day downtime
- 3+ treatments

Radio Frequency

- Expensive
 - \$50,000 to \$100,000 per unit
 - Variable consumables
 - \$600 to \$800 per treatment
- PIH unknown
- No bleeding
- 1 day downtime?
- Fewer treatments?

External Radio Frequency

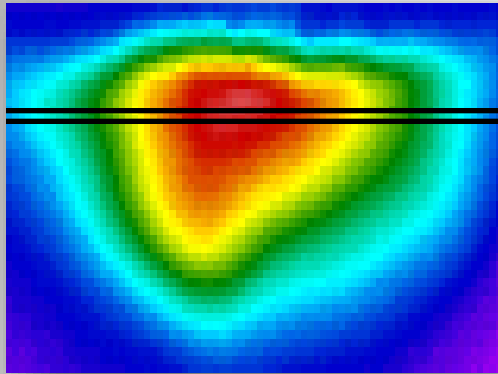
- Many devices
- Range of energy delivered
- Heat causes
 - Collagen tightening & stimulation
 - Fat reduction
- Multiple treatments
 - More than you think
 - Patient ability to tolerate the heat
- Be prepared for no results



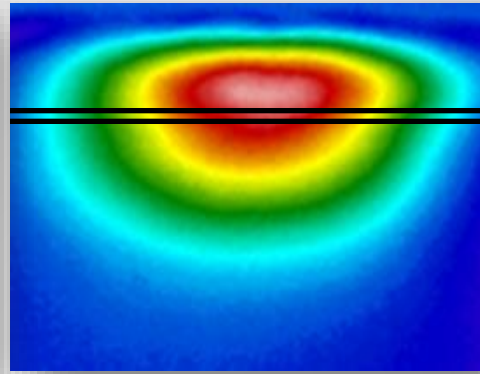
External Radio Frequency

Skin surface

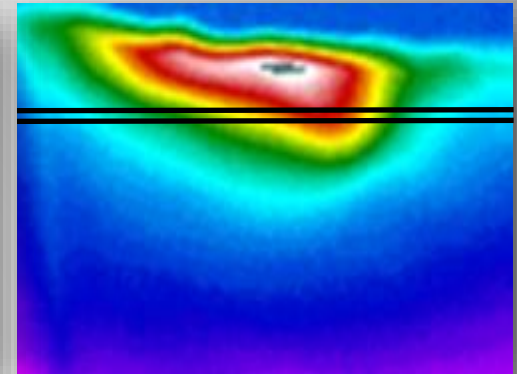
Hypodermis



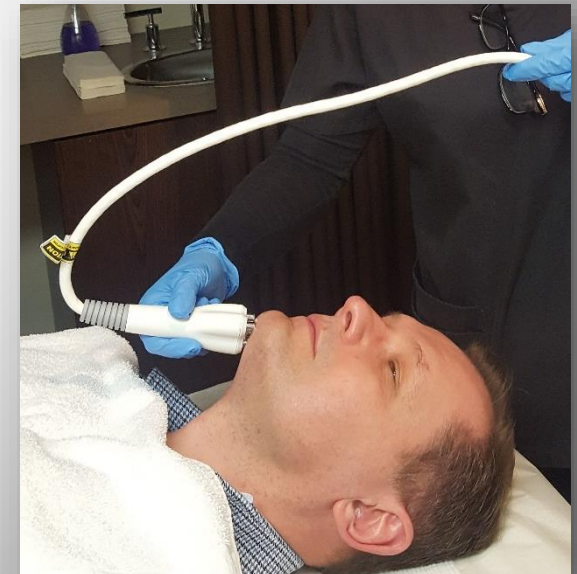
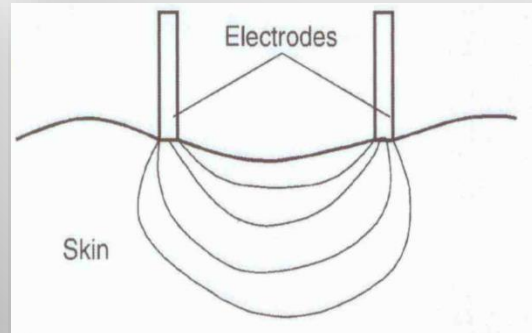
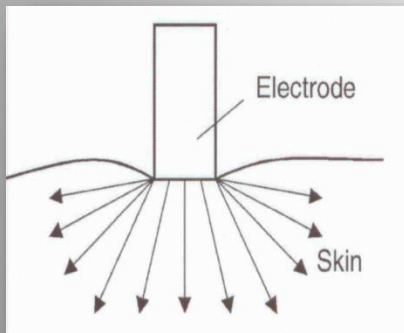
0.8 Mhz



1.7 Mhz



2.5 Mhz



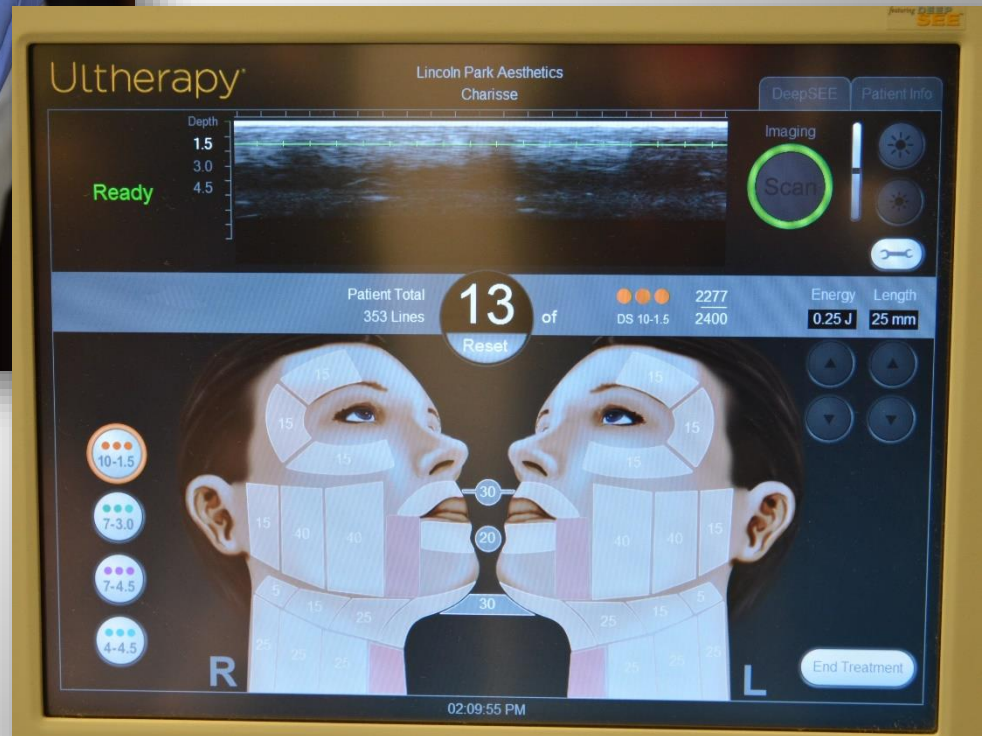
Unipolar vs Bipolar vs Multipolar

Non Invasive Radio Frequency



My patient....after 14 treatments!

Micro Focused Ultrasound (Ulthera)



Micro Focused Ultrasound (Ulthera)



After 1 Treatment

Micro Focused Ultrasound (Ulthera)

Microfocused Ultrasound for Skin Tightening

Karol A. Gutowski, MD*

KEYWORDS

• Noninvasive skin tightening • Ulthera • Microfocused ultrasound • Thermal injury zones

- More discomfort than RF
- 2 or 3 treatments (not one)
- 60% respond
 - <50% with high BMI
- Better results with patient sedation?
- Pay per a shot
- Facial “fat wasting”?

External Laser Lipolysis (SculpSure)



External Laser Lipolysis (SculpSure)



External Laser Lipolysis (SculpSure)

The company marketed SculpSure as effective, pain-free and quick method of using laser technology to reduce fat in a patient's midsection. **In reality, the device is effectively useless for the purpose for which it was intended due to the unpredictable and often excessive pain it caused patients, the multiple rounds of treatments it required, and the unsatisfactory results it produced.**

Cynosure Inc. SculpSure

DEFENDANT NAME: Cynosure Inc.

PRACTICE AREA: [Consumer Rights](#)

STATUS: Active

DATE FILED: 06/16/17

KEY ATTORNEYS:

[Steve W. Berman](#)

[Elizabeth A. Fegan](#)

[Mark Vazquez](#)

RELATED DOCUMENTS:

» [Complaint 09/27/17](#)

» [Complaint 06/16/17](#)

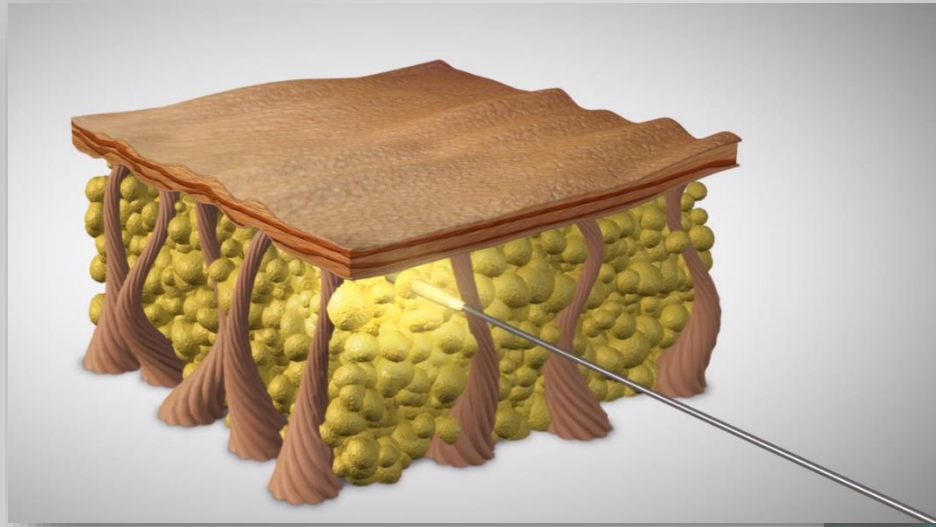
[SIGN UP FOR THE CASE »](#)

Cryolipolysis

- Effective > 90%
- Minimal discomfort
- Applicators don't attach to everyone
- Lateral neck harder to treat
- No skin tightening
- Proper patient selection



Internal Radio Frequency (Thermi RF)



Internal Radio Frequency (Thermi RF)

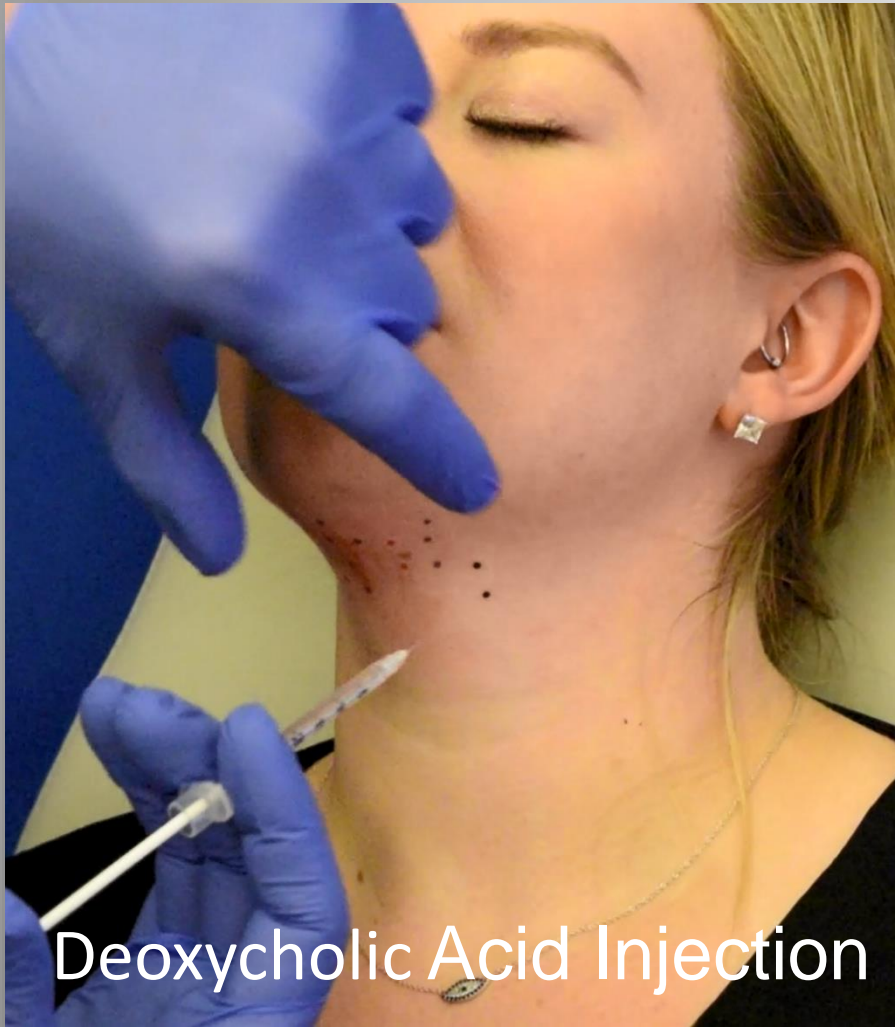


Courtesy Brian Kinney, MD

Internal Radio Frequency (Thermi RF)

- Used for other body areas
- Fat reduction
- Skin tightening
- Requires local anesthetic
- Done by physician

Injection Lipolysis



Immediately After Injection

Injection Lipolysis

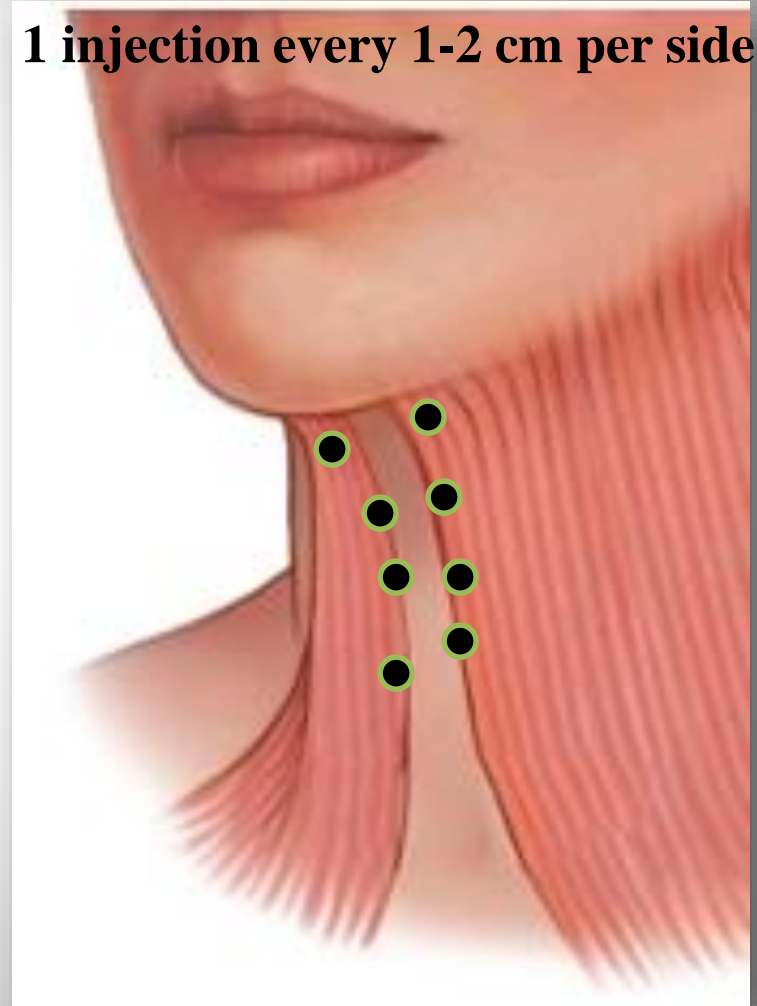


Injection Lipolysis

- Effective
- Ideal for small submental fat pockets
- Caution with lateral injections
 - Neuropraxia
- Delayed pain & edema
- Expensive for larger treatment areas
- No skin tightening

Platysmal Band Neuromodulation

1 injection every 1-2 cm per side



Annoying Platysma



Loose Neck Skin



After External RF Skin
Tightening

Annoying Platysma



Loose Neck Skin



After External RF Skin
Tightening

Annoying Platysma

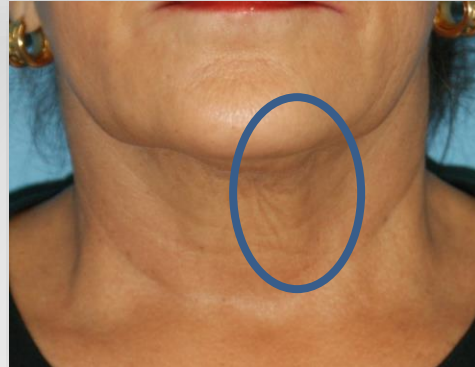


Loose Neck Skin

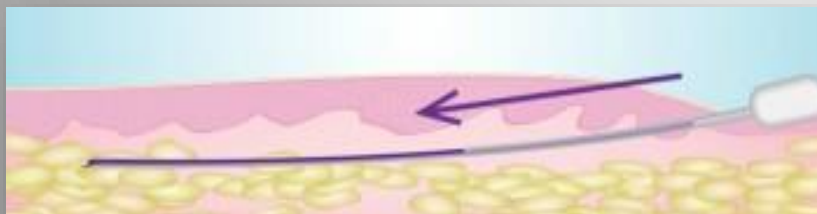
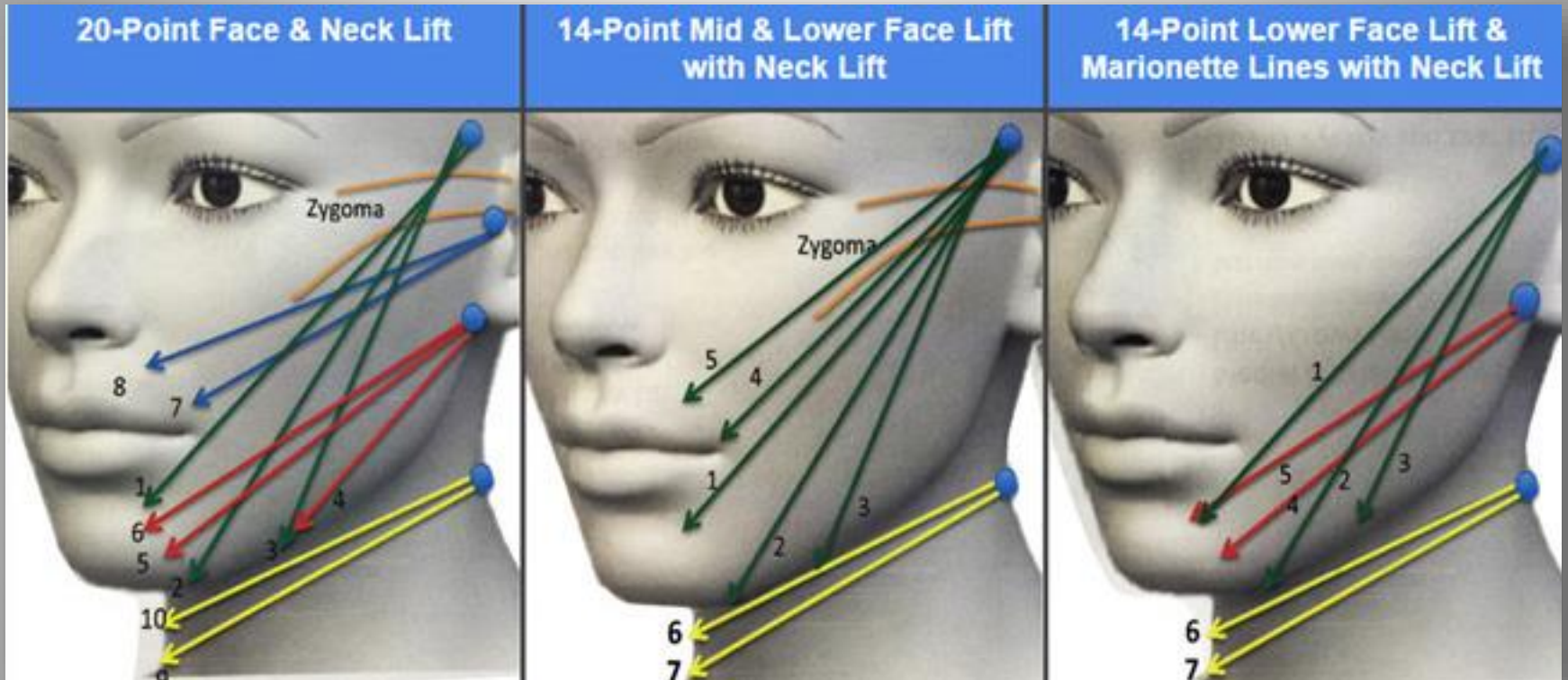


Active Platysmal Band

Annoying Platysma



Threaded Suture Suspension Lifts



Threaded Suture Suspension Lifts



Internet Search



Borrowed Restylane Model

Threaded Suture Suspension Lifts

Plast Reconstr Surg 2018

COSMETIC

Thread-Lift Sutures: Still in the Lift? A Systematic Review of the Literature

Haydar Aslan Gülbitti, M.D.
Britt Colebunders, M.D.
Ali Pirayesh, M.D.
Dario Bertossi, M.D.
Berend van der Lei, M.D.,
Ph.D.

Background: In 2006, Villa et al. published a review article concerning the use of thread-lift sutures and concluded that the technique was still in its infancy but had great potential to become a useful and effective procedure for nonsurgical lifting of sagged facial tissues. As 11 years have passed, the authors now performed again a systematic review to determine the real scientific current state of the art on the use of thread-lift sutures.

-little or no substantial evidence ...to support the promising statement about thread-lift sutures as made by Villa in 2006 in terms of efficacy or safety.
- All included literature.....except two studies, demonstrated at best a very limited durability of the lifting effect.
- The two studies were sponsored by manufacturers the thread-lift sutures.

Liposuction



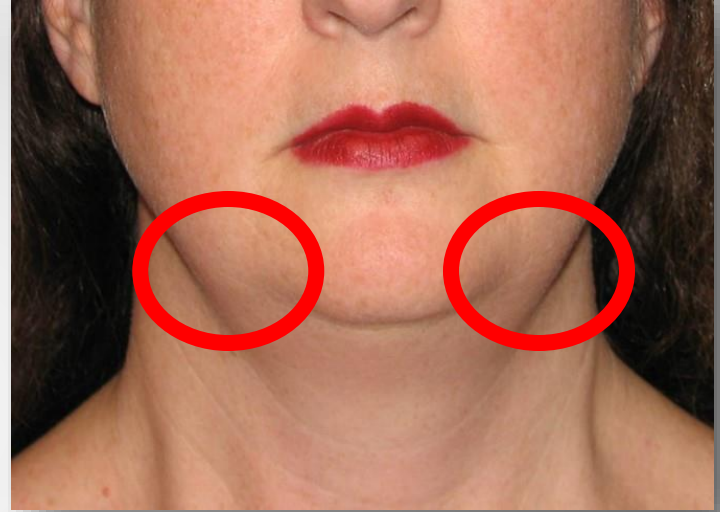
Liposuction



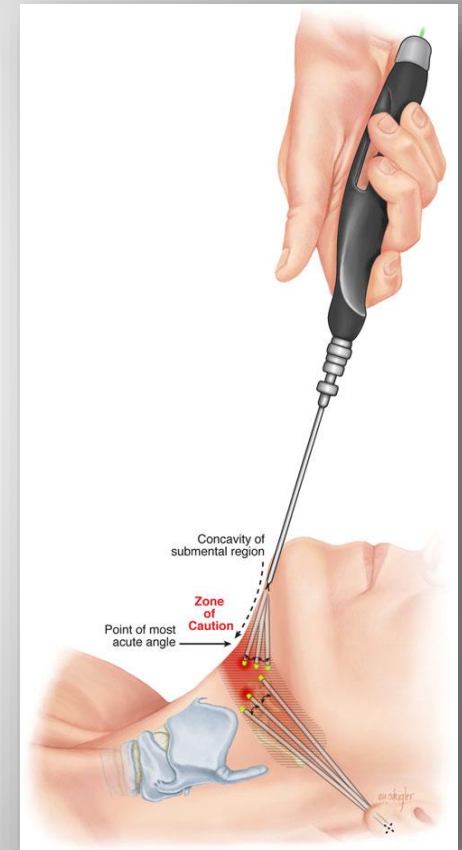
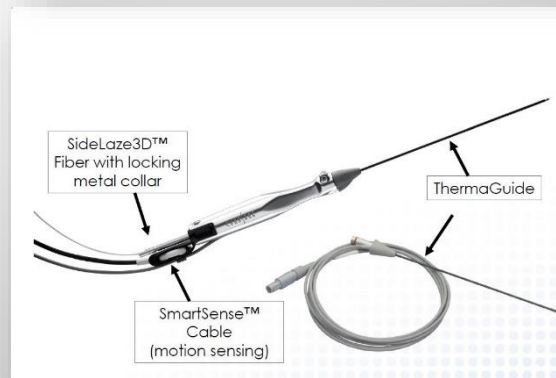
Liposuction



Liposuction



Laser Assisted Liposuction



Laser Assisted Liposuction



Laser Assisted Liposuction



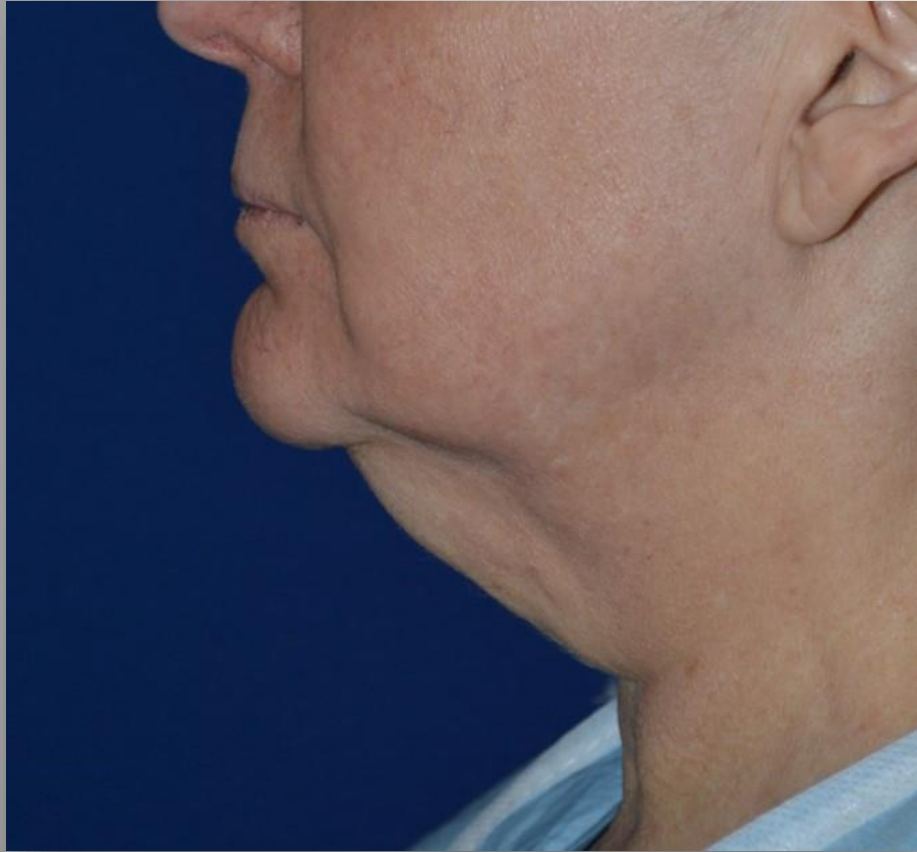
Laser Assisted Liposuction



Laser Assisted Liposuction



Laser Assisted Liposuction



Before



After

Liposuction

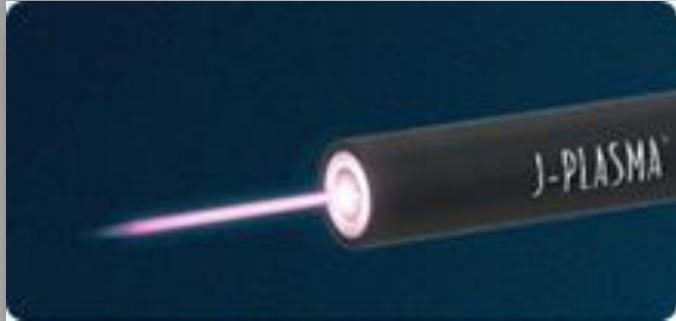
Standard Liposuction

- Easy
- Fast
- Can target fat zones
- Predictable
- Fast recovery
- Low cost
- Skin laxity not addressed

Laser Assisted Liposuction

- Easy
- Fast (neck only)
- Can target fat zones
- Predictable
- Fast recovery
- Expensive
- Does tighten skin
- Prolonged inflammation
- More neuropraxia?

J Plasma

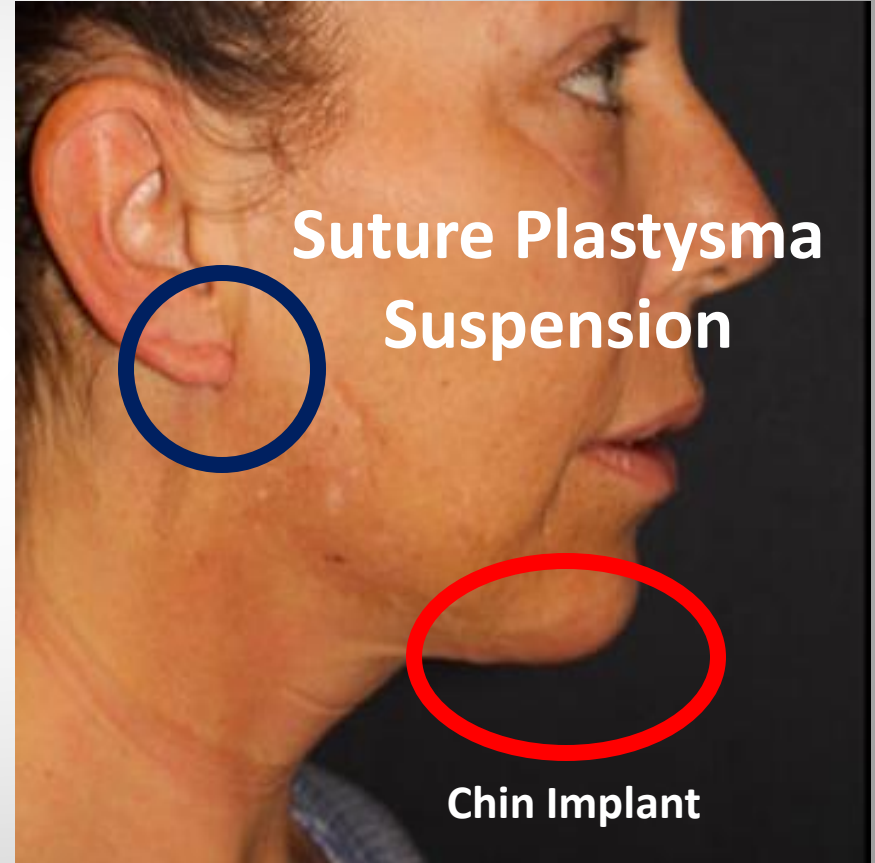


J Plasma



Courtesy Jack Zamora, MD

J Plasma



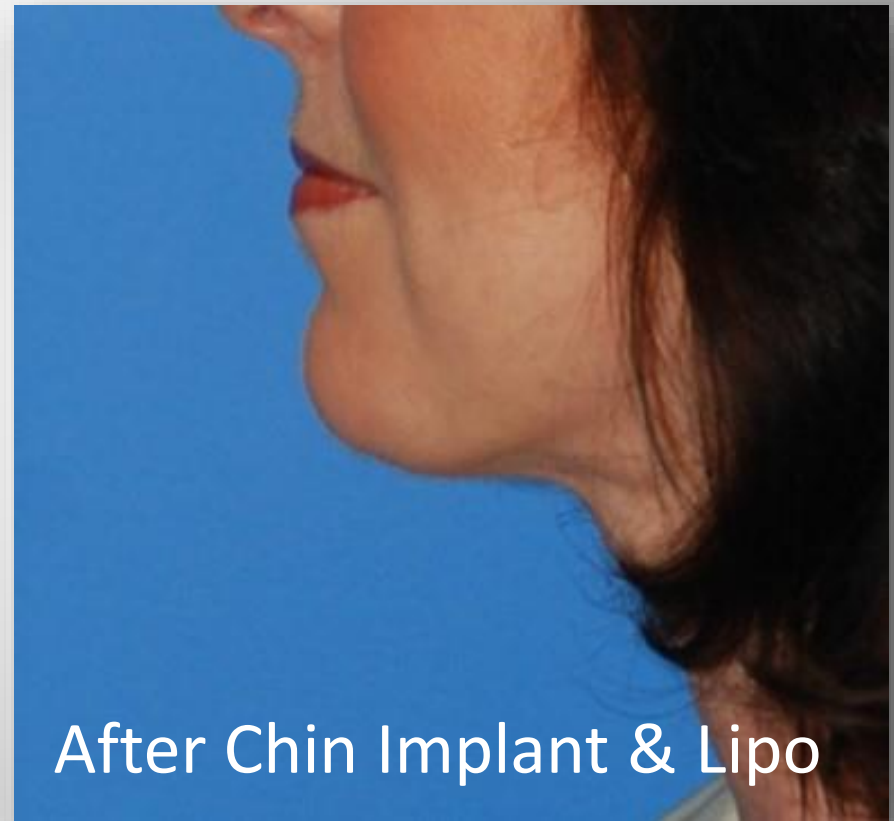
Courtesy Jack Zamora, MD

Address Jaw Line & Pre Jowl Sulcus



0.4 cc Radiesse/side

Chin & Mandible: Implants



Summary

- Neck Skin
 - Basic skin care modalities
 - Micro needling may be an inexpensive tool
 - Non-ablative & ablative energy devices
- Neck fat - Limited
 - CoolSculpting if central
 - Kybella if central
 - Careful in older patients with loose skin

Summary

- Neck fat - Larger areas
 - Liposuction
 - Laser assisted liposuction for skin tightening
 - Liposuction allows best jawline definition
- Add additional treatments as needed
 - Implants
 - Fillers
 - Neuromodulators

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- Neurmodulator
- Neck +/- Face Lift

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