

Does Filler Choice for Tear Troughs Matter?

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26th State-of-the-Art in Facial
Aesthetics

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New Orleans, LA
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Disclosures

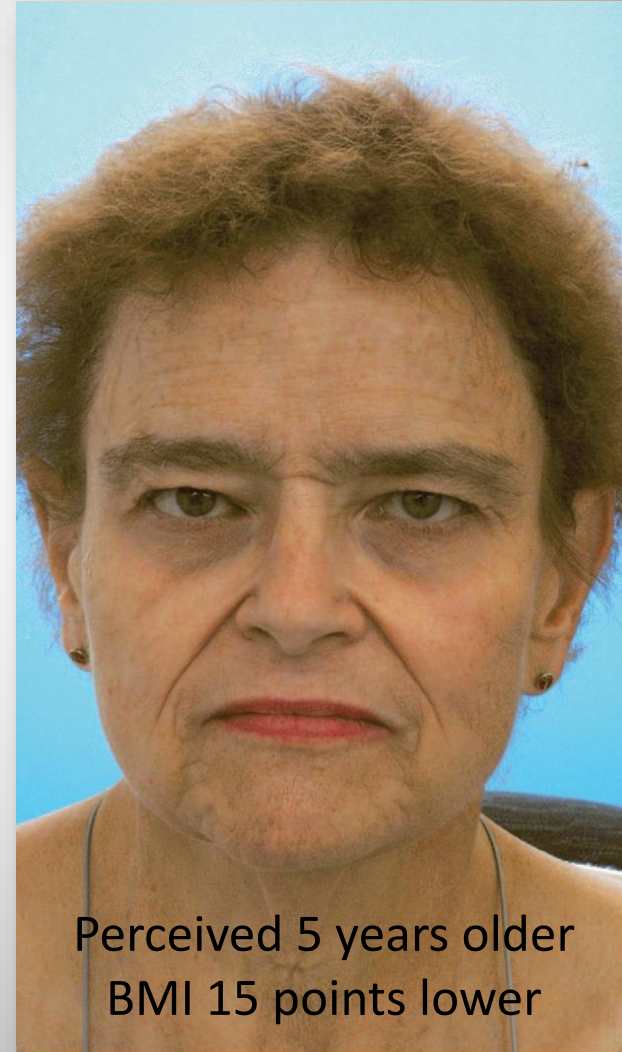
Merz – Advisory Board & Training Site

Syneron/Candela – Training Site

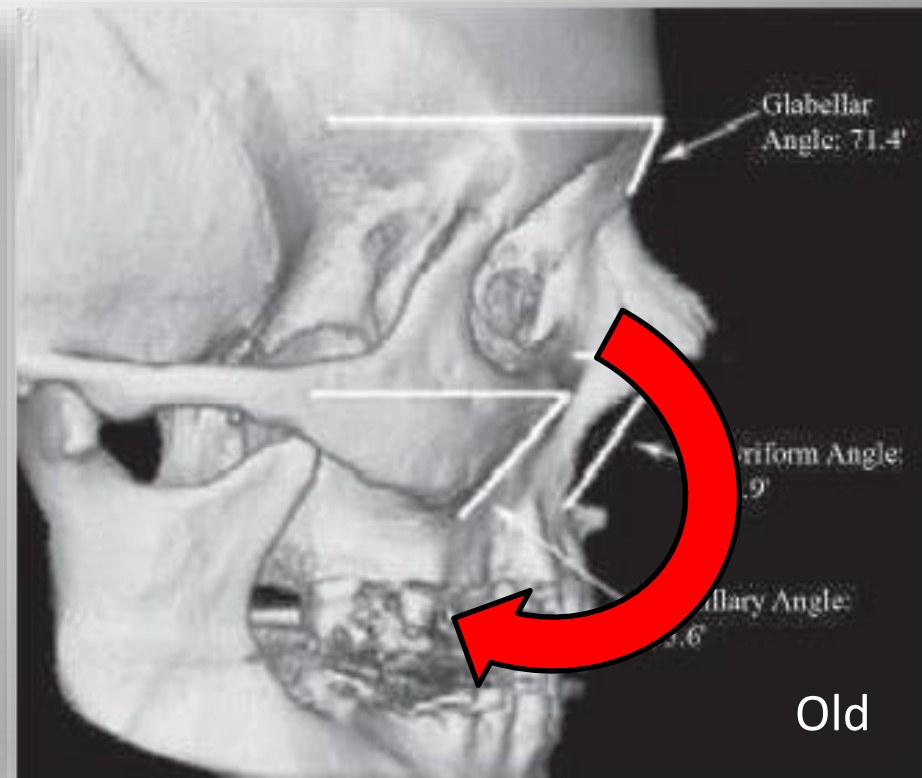
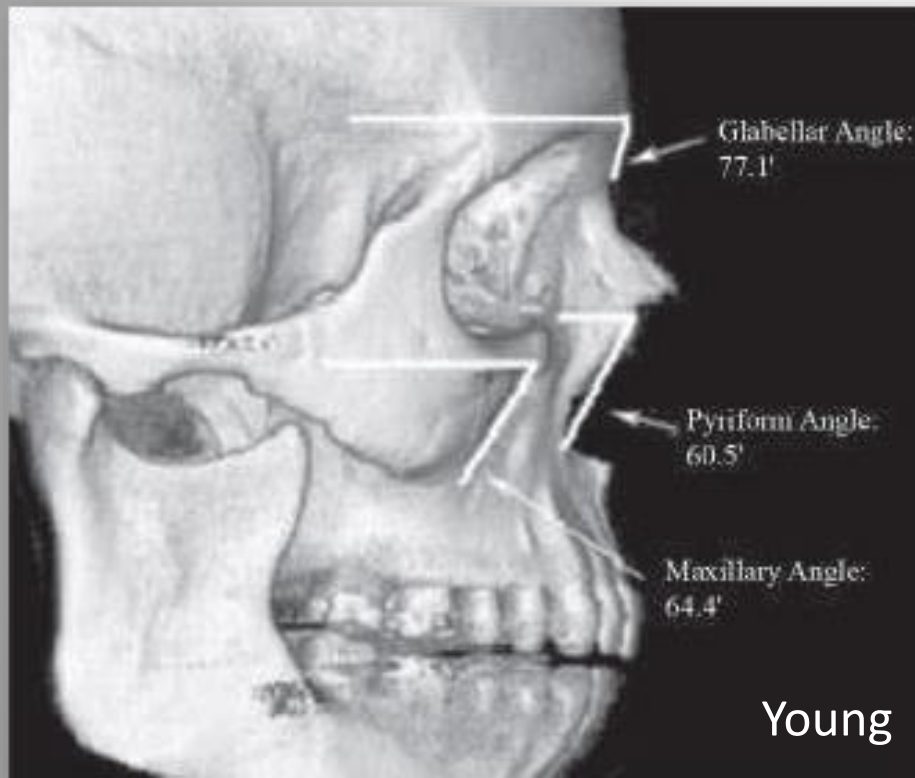
Merz makes products that I will mention

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

Twin Comparison: Body Mass Index

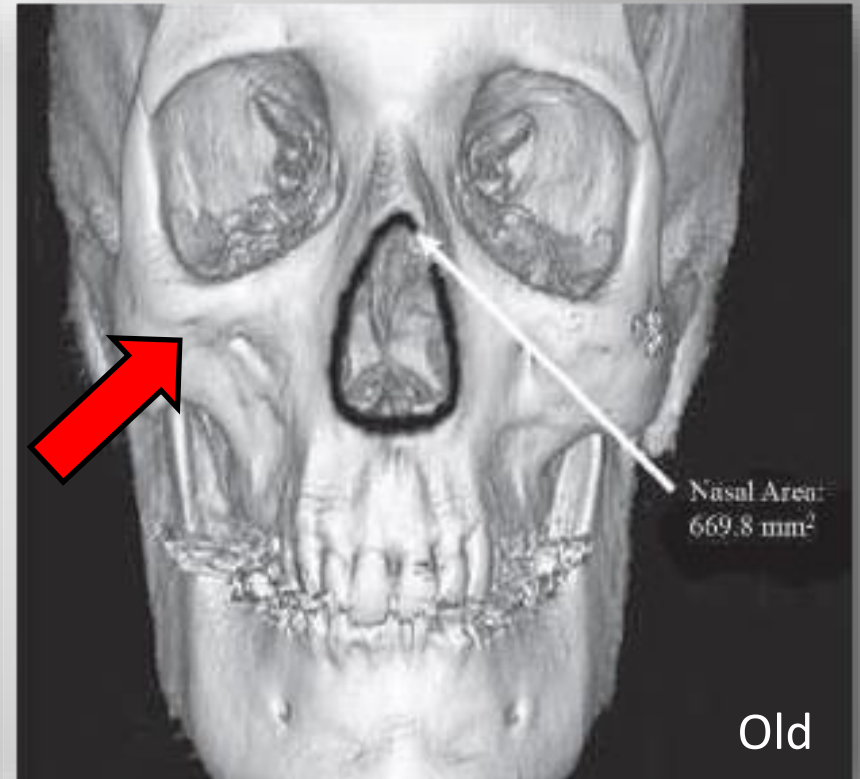
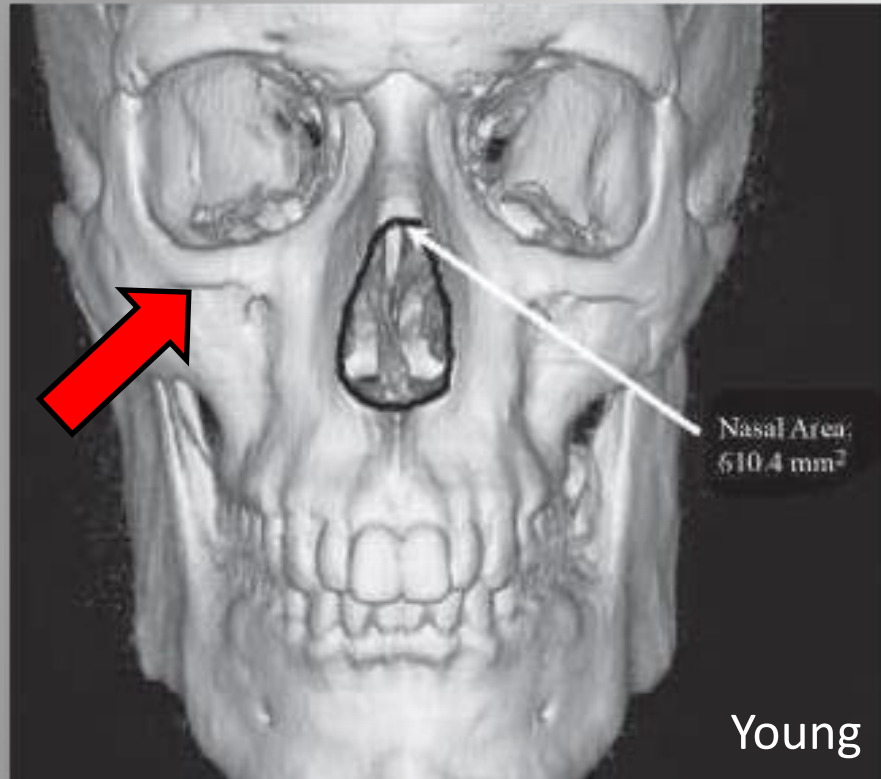


Facial Bone Changes



Bones in the midface and jaw become less prominent causing loss of structural support which leads to a sunken appearance

Facial Bone Changes



Bones around the eye become larger causing loss of structural support which leads to aged appearance

Injectable Tissue Filler Options

Silicone

Animal Collagen
(Zyderm, Zyplasty, Evolence)

Human Collagen
(CosmoDerm, CosmoPlast,
Fascian, Autologen,
Cymetra, LaViv)

Fat



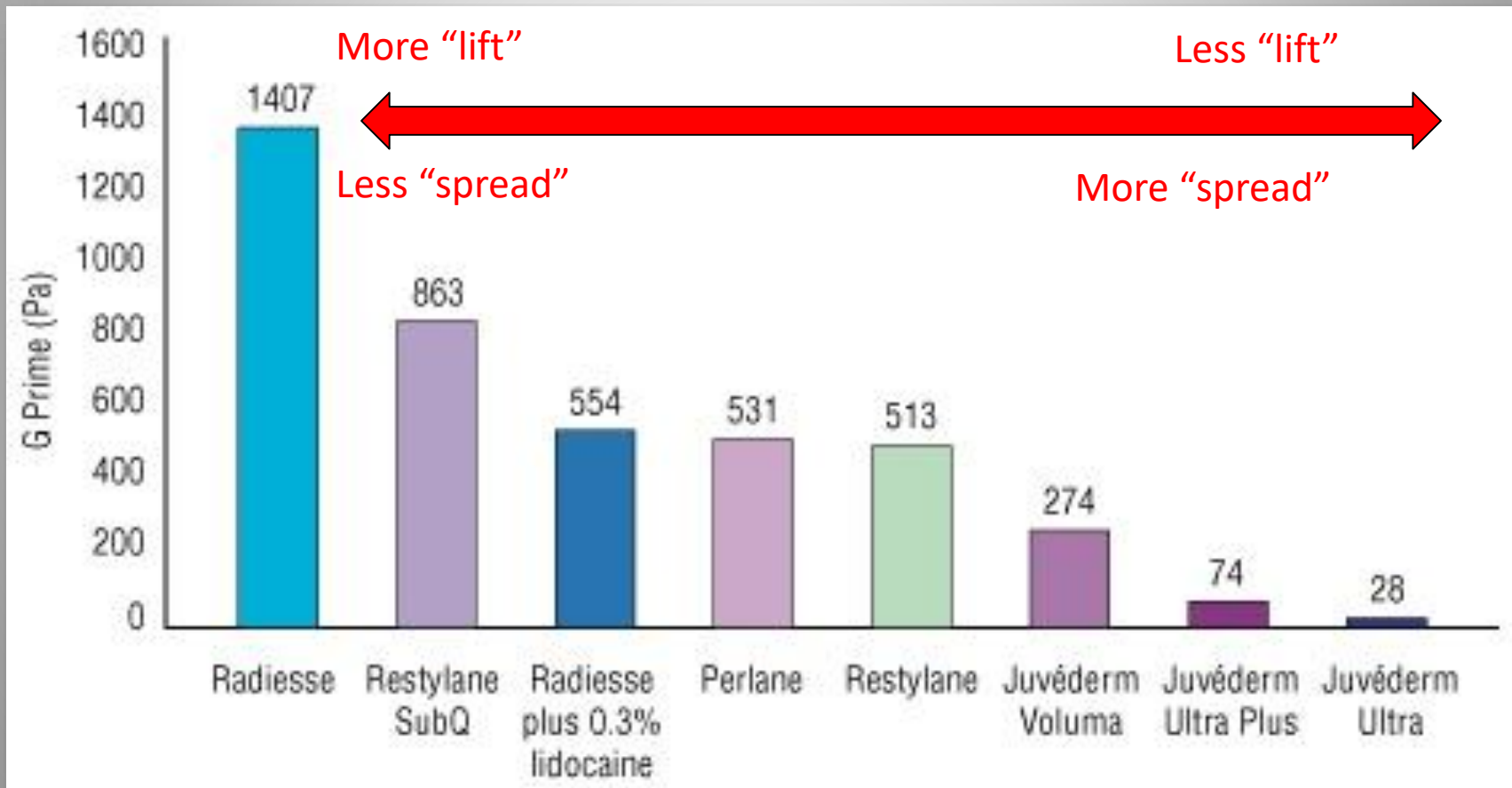
Stimulators
PLLA (Sculptra)
PMM (Bellafill)

CaHA (Radiesse)

Hyaluronic Acids
(Juvederm, Voluma, Volbella
Restylane, Belotero, Versa, etc)

Reversible

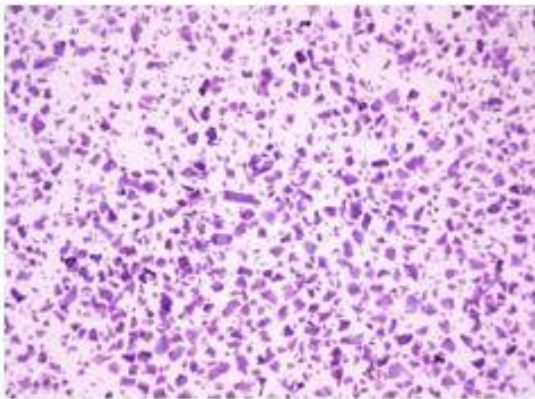
Elastic Modulus G'



*Mathematical description of product's tendency to be deformed elastically
May not match clinical results

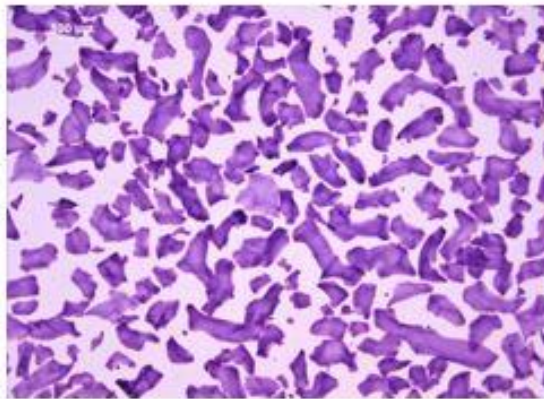
Restylane Product Particle Size

Silk



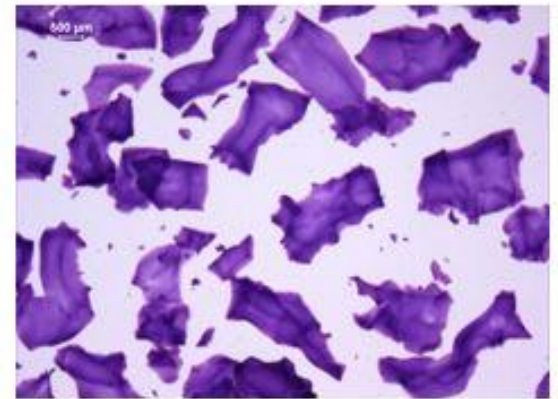
Small Particle HA
Range of 50–220 μm^*

Restylane



Small Gel Particle HA
Range of 330–430 μm^*

Lyft



Large Gel Particle HA
Range of 750–1000 μm^*

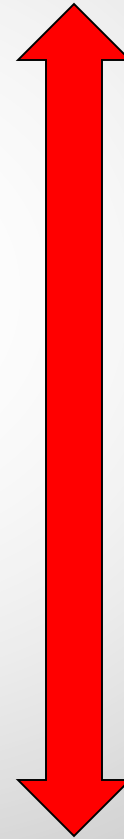
All 3 have 20 mg HA per mL
Particle size is different

Water Absorbption

Prevelle Silk

Restylane and Lyft

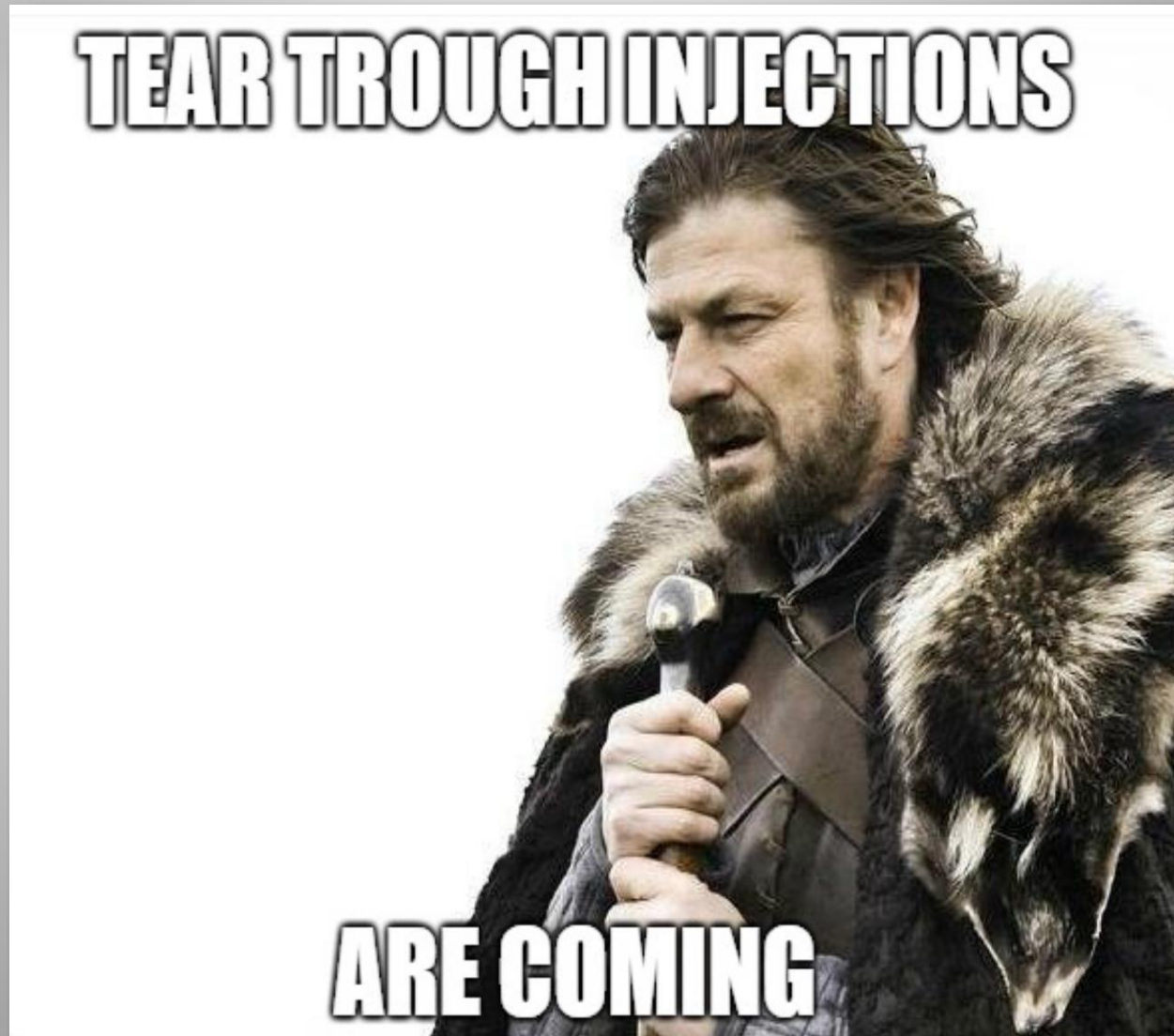
Juvéderm Ultra Plus



Less Swelling

More Swelling

Personal Experience

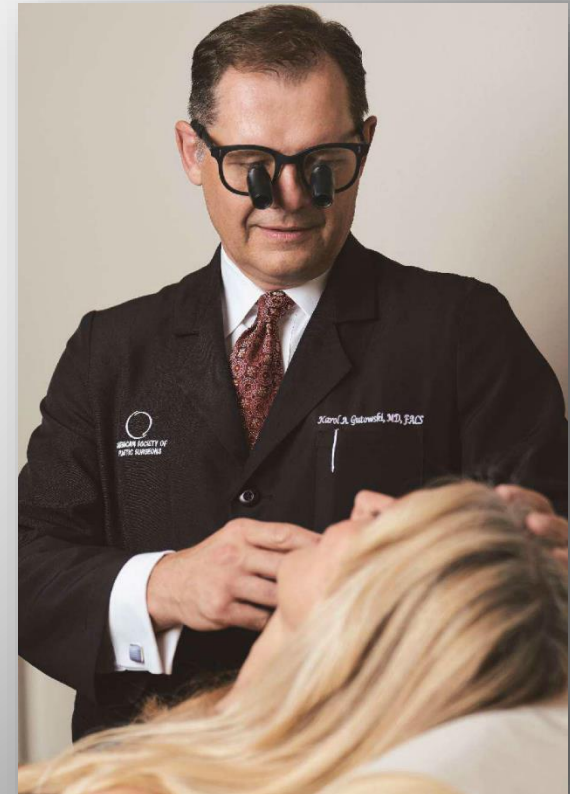


Tear Trough 5 Year Experience

- More and more common every year
- Typical repeat injection is > 12 months
- < 10% of cases need > 1 mL of product
- 184 cases
 - JUV, JUP, RST, LFT, BTO, BLF, RAD, VOL, VER
 - Hyaluronidase
 - 1 patient with complete reversal
 - 3 patients with minor reversals (lumps)
- I am very conservative
 - Aim for 80 to 90% correction, then touch up in 2 weeks

Injection Technique

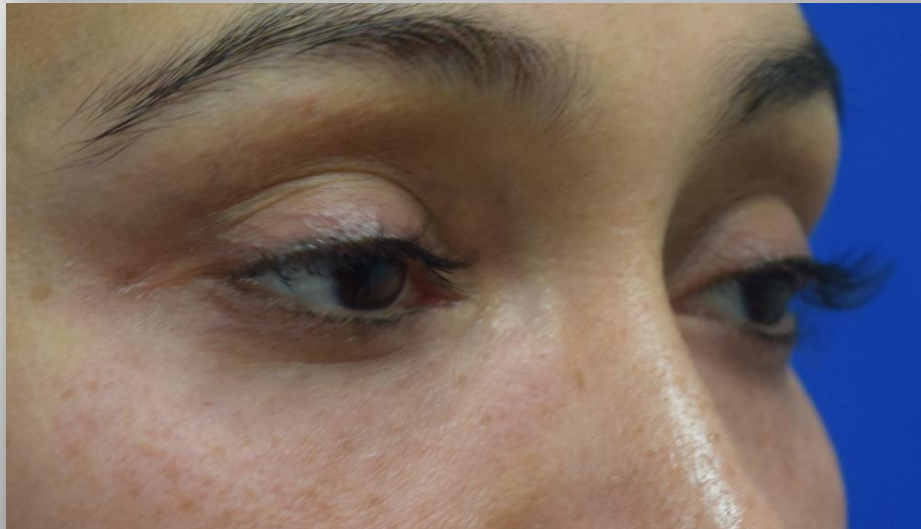
- Patient warnings
- Topical anesthetic 20 min
 - Does cause some swelling
- Throw away the package needle
- 1" 30G needle or 27G cannula
 - Problems with Allergan syringes
- Loupe magnification
- Medial to lateral
- Up & down gaze
- 0.5 mL per side to start



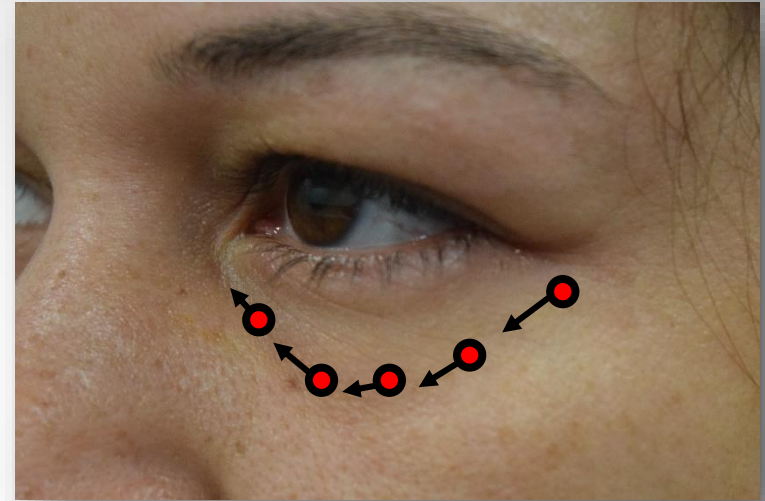
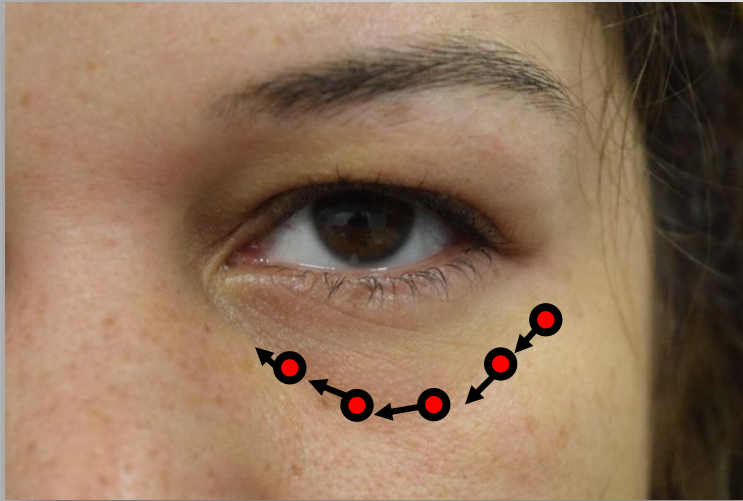
Ideal Injection Case



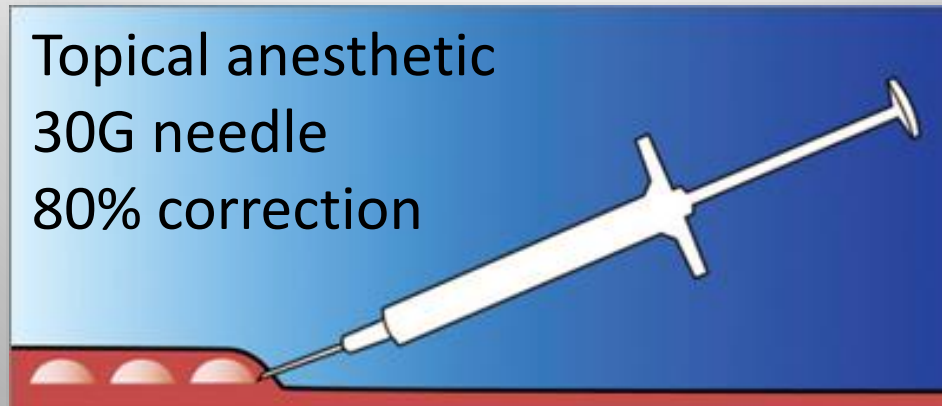
Ideal Injection Case



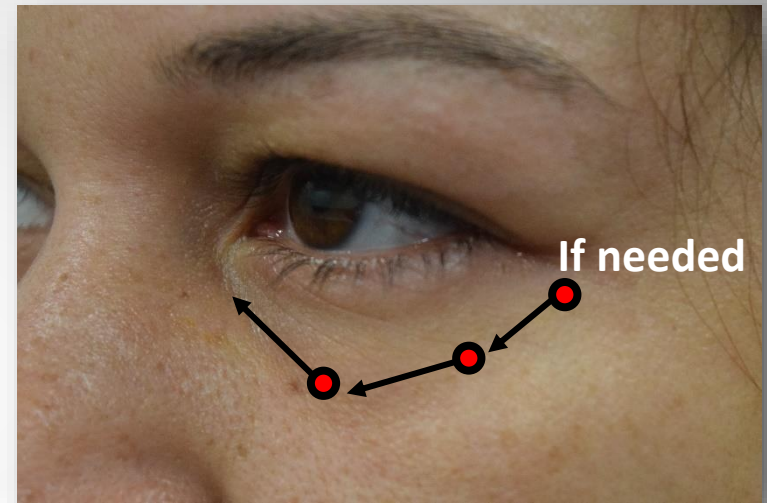
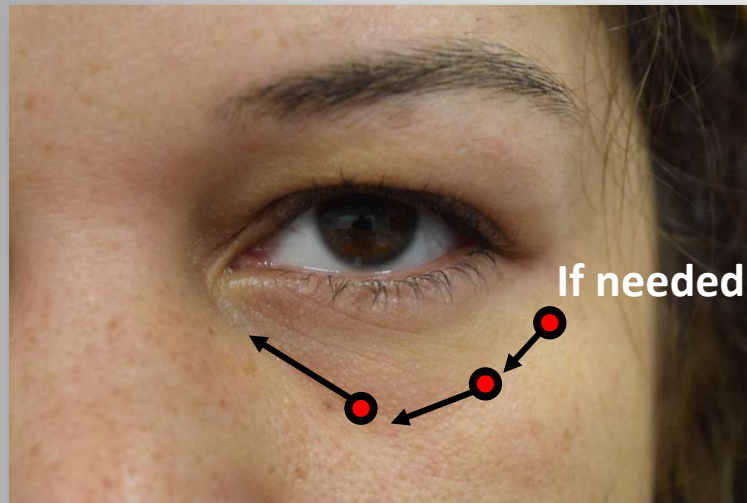
Injection Technique ½" 30G Needle



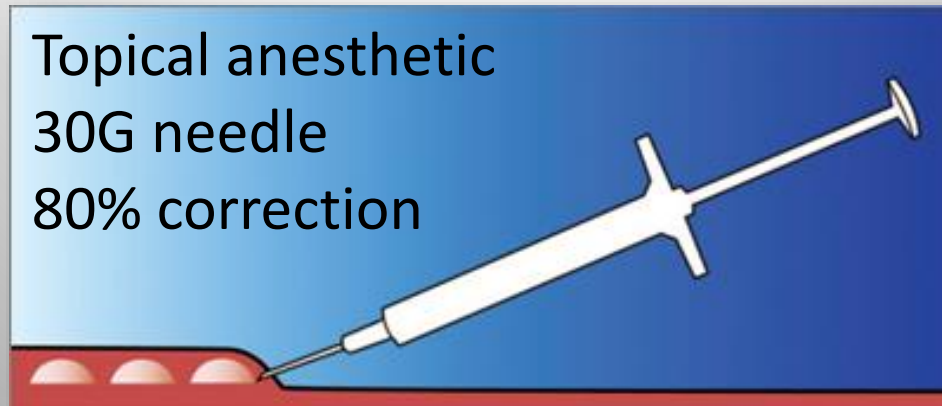
Topical anesthetic
30G needle
80% correction



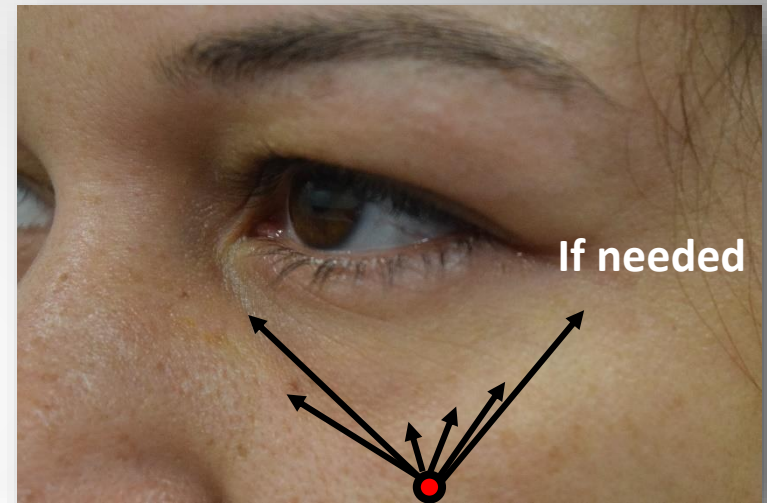
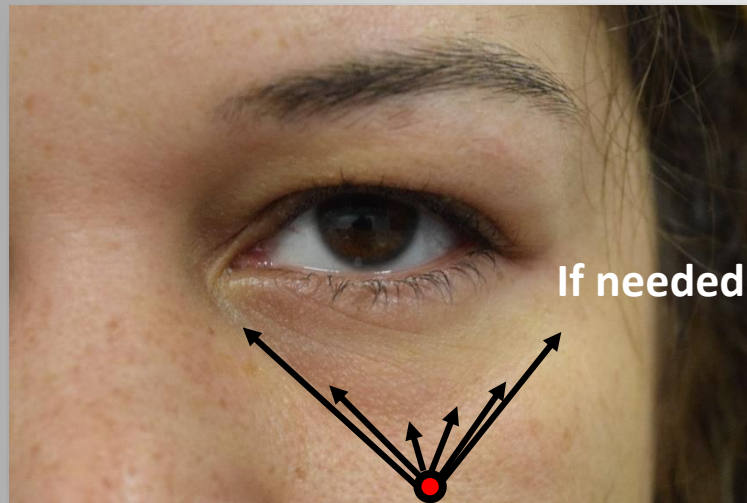
Injection Technique 1" 30G Needle



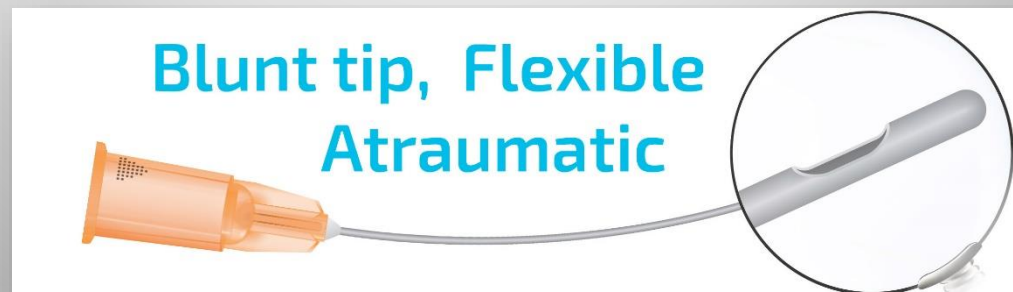
Topical anesthetic
30G needle
80% correction



Injection Technique 27G Cannula



Harder to place on periosteum



Mild Fat Pad Herniation



Mild Fat Pad Herniation



Topical anesthetic
Juvederm (Low G')
30G needle
80% correction



Tear Trough Correction



Tear Trough Correction



Tear Trough Correction



Tear Trough Correction



Tear Trough & Malar Support



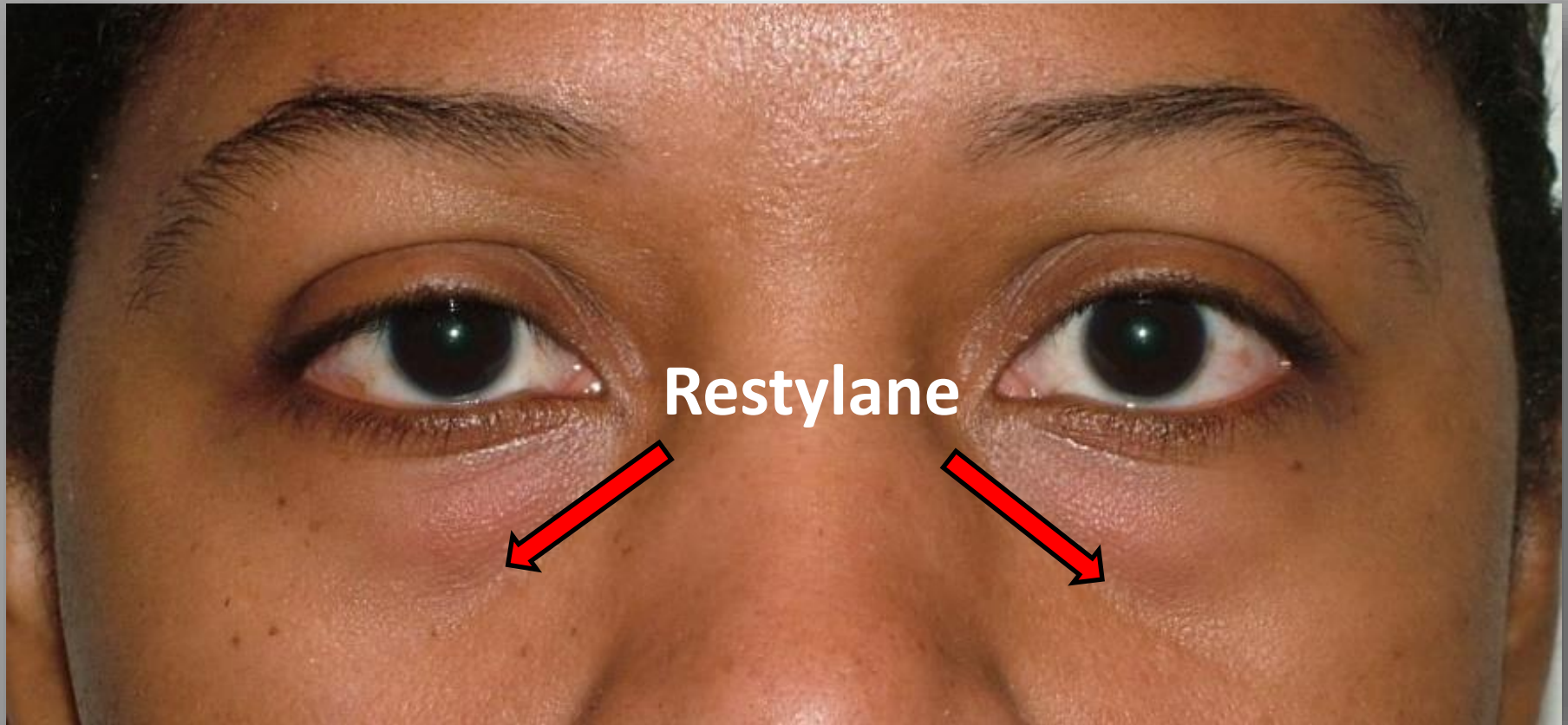
Tear Trough & Malar Support



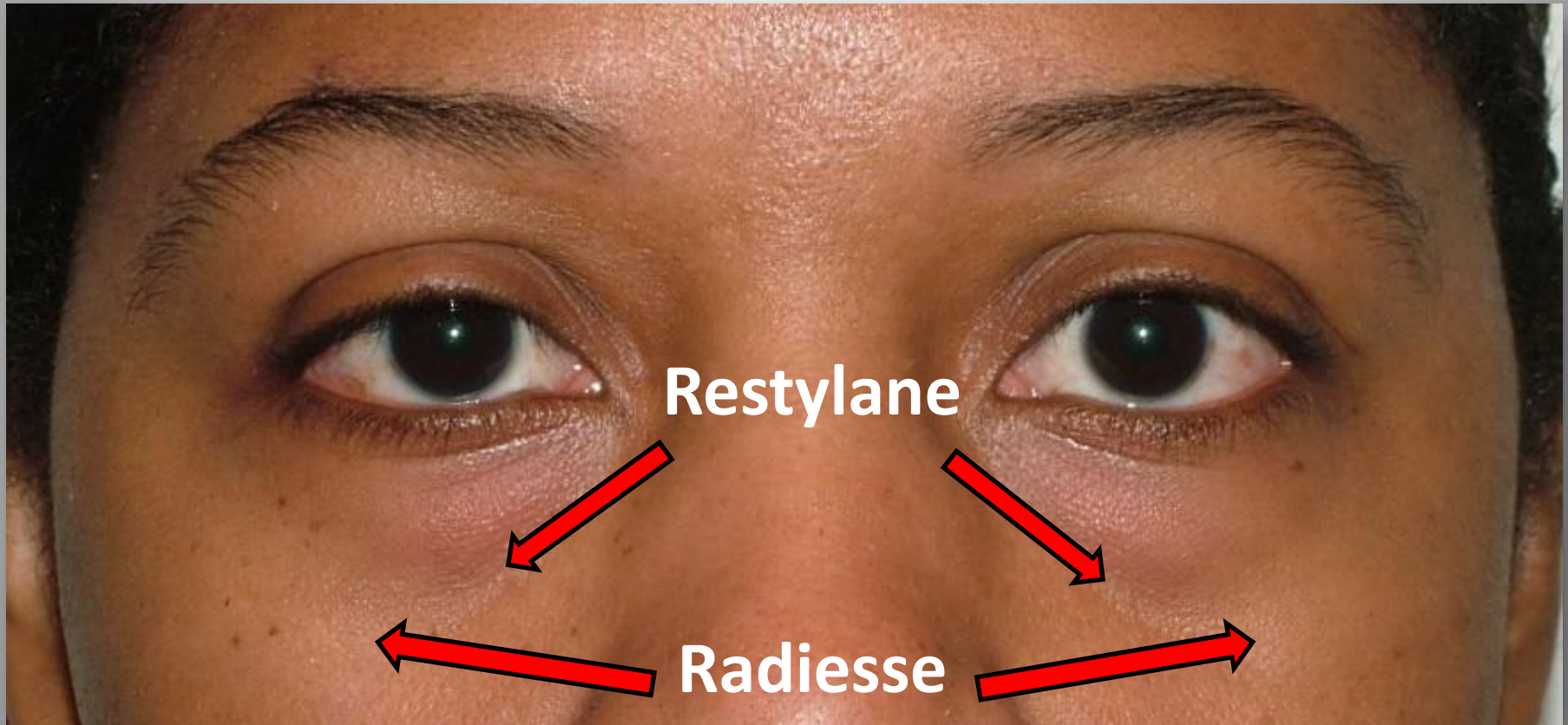
Tear Trough & Malar Support



Tear Trough & Malar Support



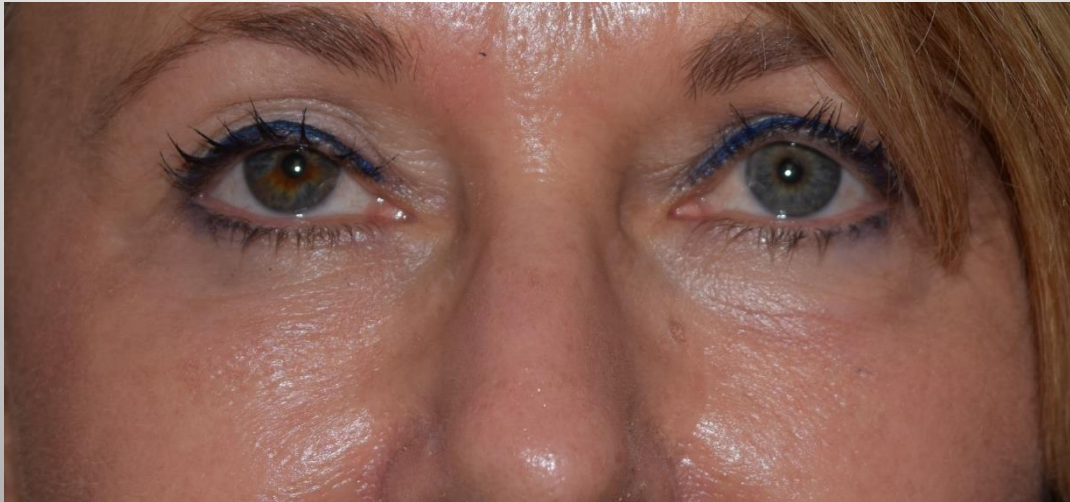
Tear Trough & Malar Support



Tear Trough & Malar Support



Malar & Tear Trough Radiesse 1.5 mL + BTA



Malar & Tear Trough Radiesse 1.5 mL + BTA



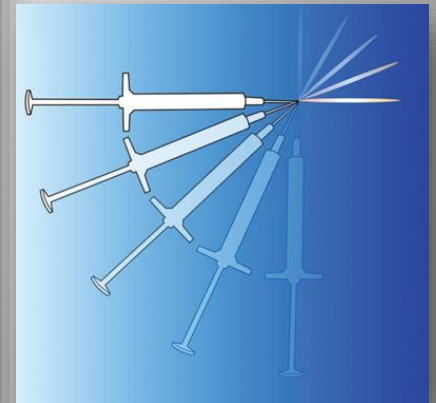
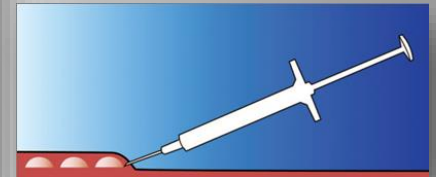
Facial Volumization



Start Superior & Lateral

0.8 cc syringe
40 to 50 passes
27G blunt cannula

**Supraperiosteal
Microdroplets**

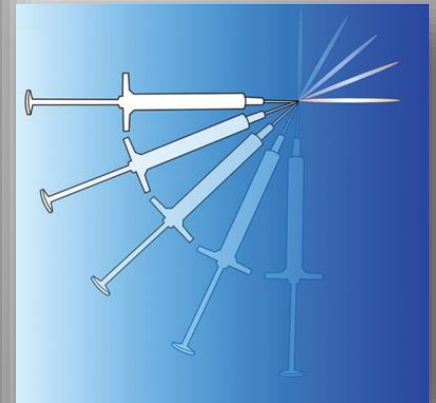
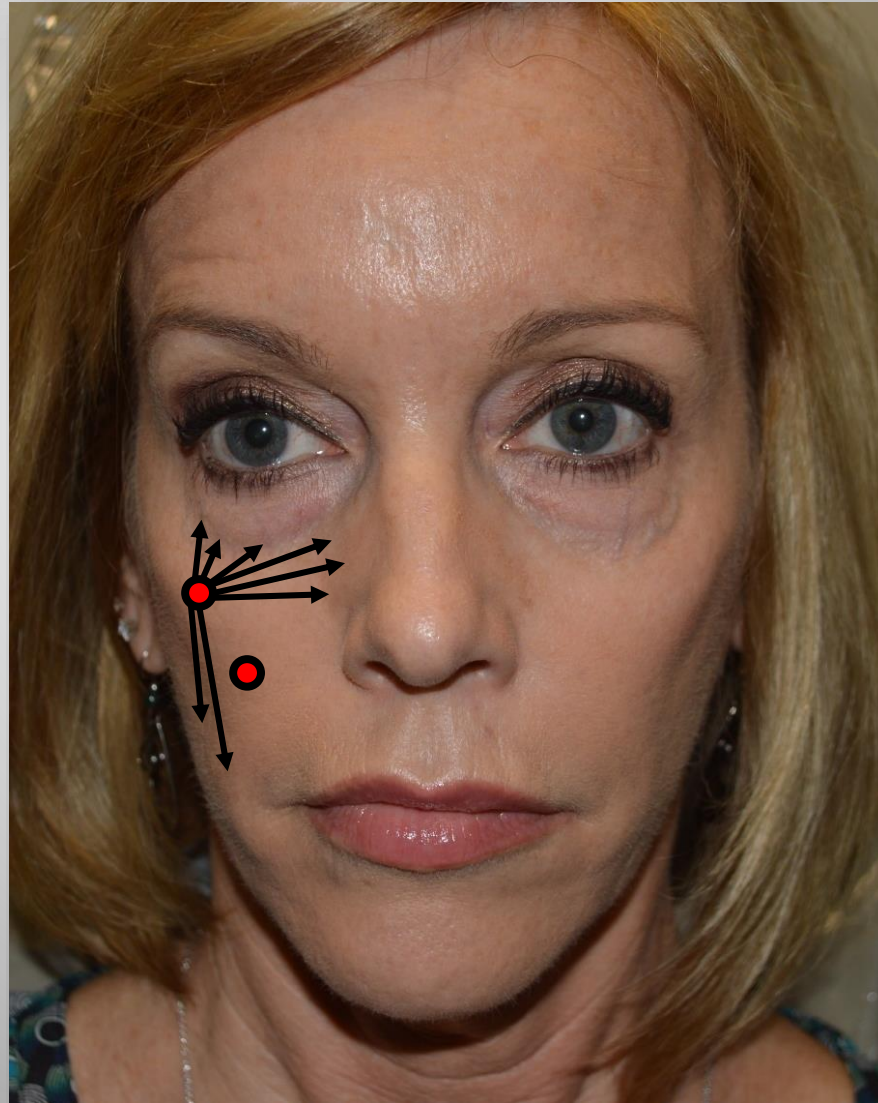


Volumize Inferior Orbit & Malar Area

0.8 cc syringe
40 to 50 passes
27G blunt cannula

Supraperiosteal

**Subdermal
Fanning**



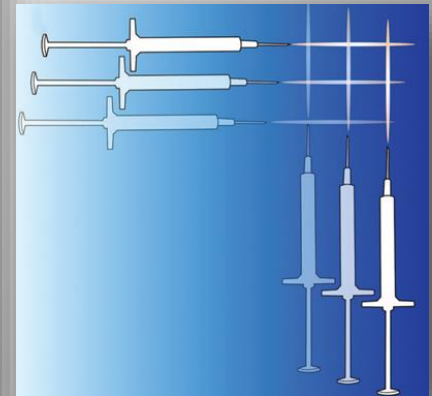
Treat Hollow Cheek

0.8 cc syringe
40 to 50 passes
27G blunt cannula

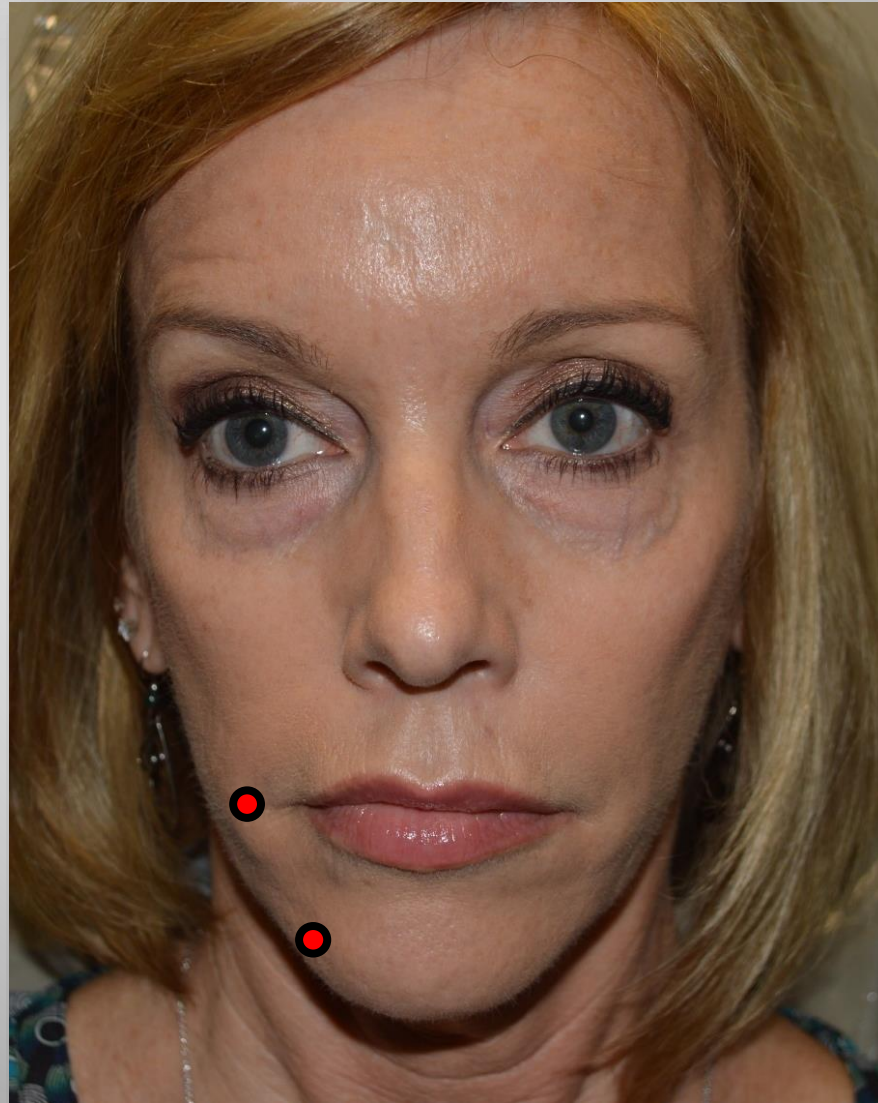
Supraperiosteal

Subdermal

Subdermal
Cross Hatching



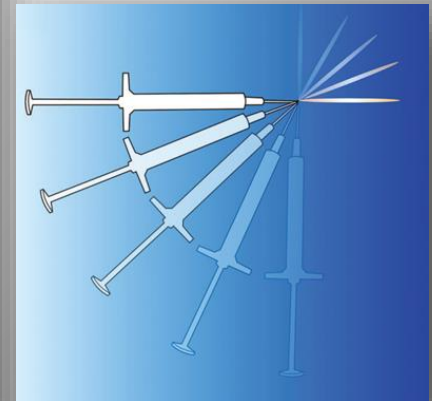
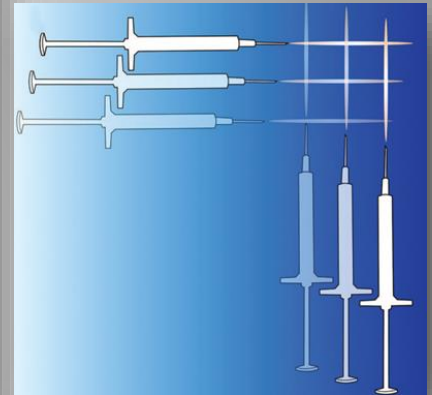
Move to Lower Face



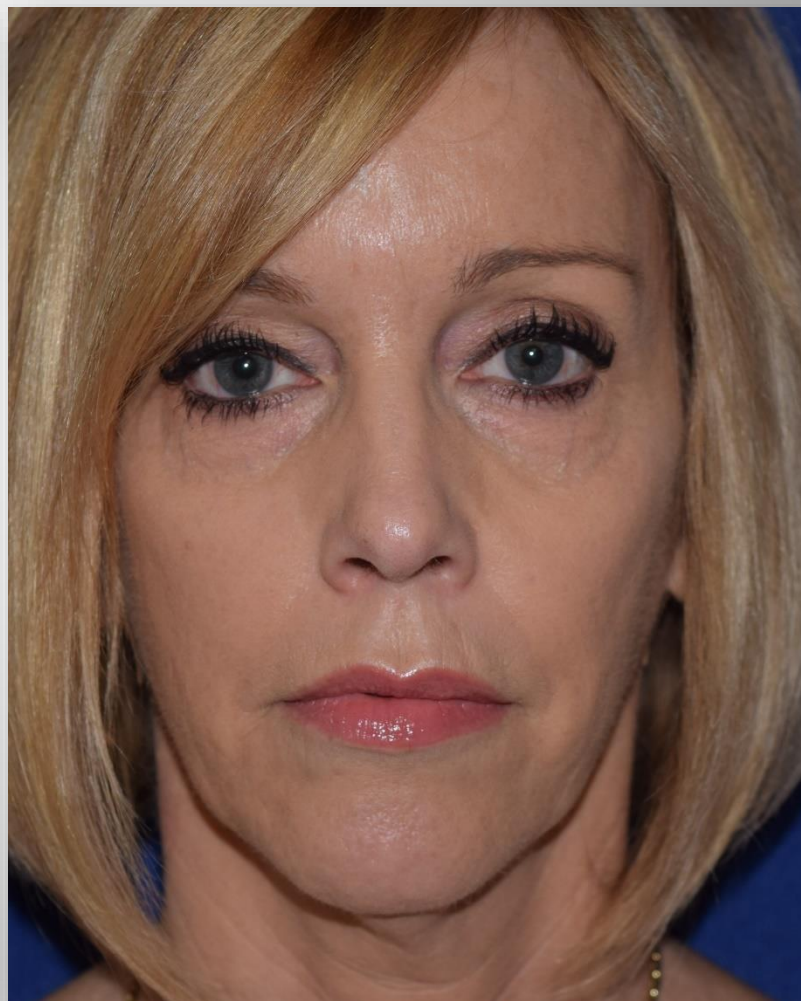
Lower Face

0.8 cc syringe
40 to 50 passes
27G blunt cannula

**Subdermal
Fanning &
Cross Hatching**



Facial Volumization: Bellafill 4.6 cc



Bellafill + Upper Blepharoplasty + Lower Lid Fractional CO2 Laser



Bellafill + Upper Blepharoplasty + Lower Lid Fractional CO2 Laser



Persistent HA

Restylane persisting in lower eyelids for 5 years

Steven H Dayan, MD, FACS,^{1,2,3,4} John P Arkins, BS,⁴ & Michael Somenek, MD²



After 5 years, fullness resolved 2 weeks after
60U hyaluronidase injected per side

HA Migration

Delayed Migration of Hyaluronic Acid Fillers: A New Complication?

- 3 patients with tear trough injections resulting in inferior migration years later
- Resolved with hyaluronidase



Hyaluronidase

Hyaluronidase works for
Juvederm

Ultra & Ultra Plus
Voluma & Volbella

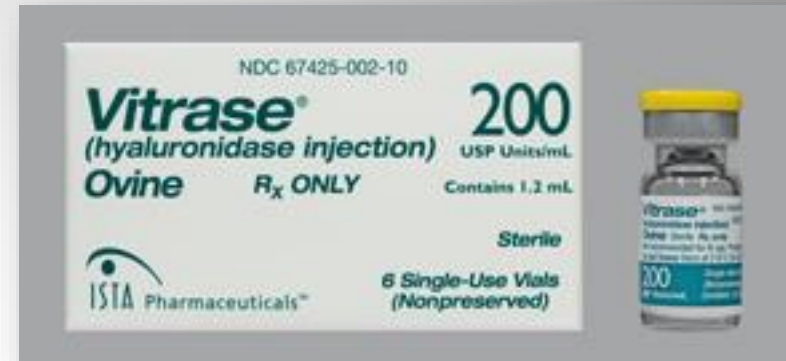
Restylane

Lyft & Silk

Belotero

Versa

**Always have Hylenex
available for HA injections**



Retrobulbar Injection Technique



Tear Trough & Lower Lids

- Inject on periosteum
- Expect edema & ecchymosis
- Under correct
 - Touch up in 2 weeks
- Prolonged edema
 - Treat early
 - Hyaluronidase
- May persist for years

Not for novice injectors

Tear Trough Summary

- Most HA fillers have good results
- Radiesse and Bellafill can be used
 - Very conservative
 - Experienced injector
- Sculptra – don't recommend
- Needle vs Cannula?
- Technique matters more than filler
- Not all patients are candidates

Does Filler Choice for Tear Troughs Matter?

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Copy of this presentation

DrGutowski.com ➡ For Physicians

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