THE ARTISTRY (C) OF INJECTABLES

Comprehensive Training For Your Practice

Correction of Infraorbital Hollows

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Example: Belotero Balance 0.4 mL per side



Patient Analysis & Selection

Patient concern

- Eye bags
- Tired appearance
- Dark circles

Cause of "dark circles"

- Pigment (brown)
- Vascular (blueish purple)
- Shadow of prominent fat
 Extent of fat herniation
 Malar support (vector)

Idea Patient

- Young
- Matching lid skin color
- Minimal fat herniation
- Good skin

Not Ideal Patient

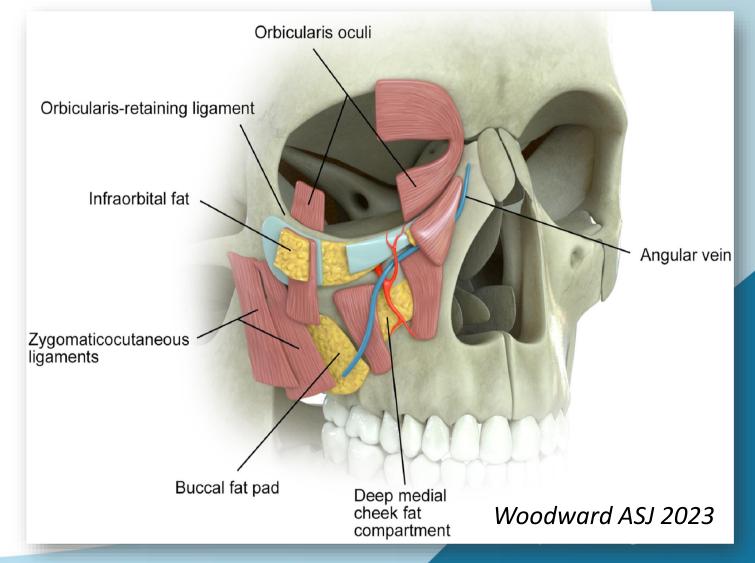
- Older
- Skin discoloration
- Excessive fat herniation
- Poor malar support
- Lax & thin skin





Anatomy: Overcomplicated & Oversimplified

- More vascular
- Few useful landmarks
- Feel cannula tip
- Inject
 - Deep to orbicularis muscle
 - No easy plane above muscle
 - On periosteum
 - Less important medially
 - More important laterally
 - Easier with 31G Needle



Preparation

Patient Expectations

- Goal is 70%-80% correction
- No more than 0.5 mL/side first time
 - Can add more filler 2-4 weeks later
- Combined treatments
 - Laser
 - Neuromodulator
- Possibility of edema
- Hyaluronidase reversal

Patient comfort is critical

• Minimizes movement



Preferred Products

Use hyaluronic acid (HA) products

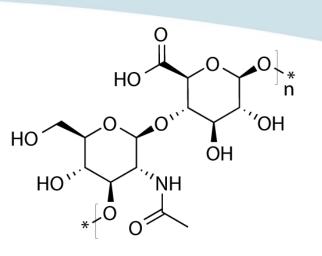
Can be reversed

FDA <u>Approved</u> for Infraorbital Hollows

- Belotero Balance (HA) Preferred
 - Less Tyndall effect?
- Restylane Eyelight (HA)
- Volbella (HA)

<u>NOT</u> FDA Approved for Infraorbital Hollows

• Versa (HA)





Preferred Products

Injection Cannula

• 27G (or 25G) x 1.5 inch

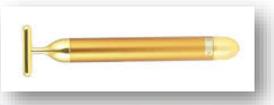
Injection Needle

• 31G on 0.3 mL insulin syringe



Anesthetic

- 0.15 mL 2% lidocaine + epinephrine at cannula insertion sites
- Topical anesthetic 23% Lidocaine + 7% Tetracaine x 20 minutes
- Vibration distraction



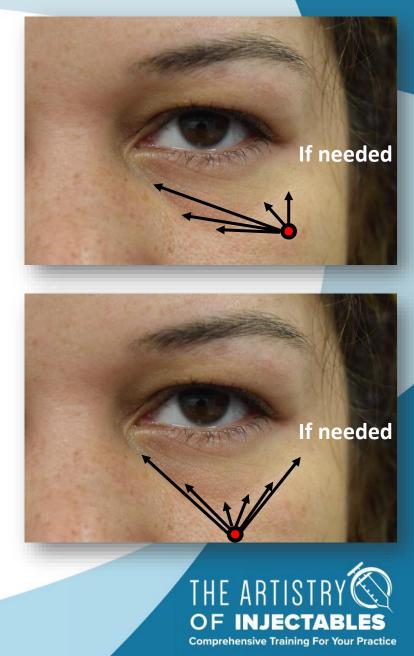


Injection Technique

Cannula

- Insert cannula from lateral or inferior approach
 - "Deep" but not need to be on periosteum
- Tent cannula up to see tip
- Stop before medial canthus
- Retrograde injection on cannula withdrawal
 - <<u><</u>0.05 mL per pass
- Gentle fingertip massage for any lumps

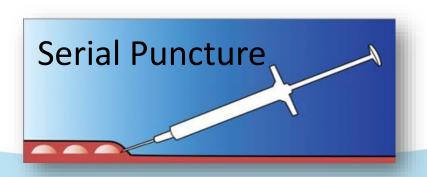




Injection Technique

31G Needle

- Medial to lateral
- Insert perpendicular to orbital rim
- Stop at periosteum
- Inject 0.01 ml to 0.02 per site
- Move needle medial & lateral for more injections
- Insert at new site laterally
- Gentle fingertip massage for lumps





Clinical Example



THE ARTISTRY OF INJECTABLES

Clinical Example: Declined Surgery & CO₂ Laser

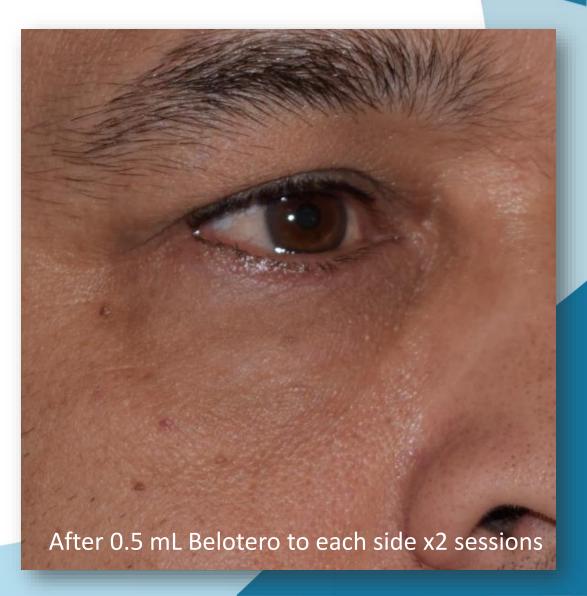


After 0.5 mL Belotero to each side x2 sessions



Clinical Example: Declined Surgery





Need to Assess Midface Support & Volume

Assess the Facial Vector to Determine Undereye Hollows Treatment Plan

Assess the vector between the anterior corneal surface and the malar eminence If a patient has a negative vector, you must first fill the mid-cheek



Positive Vector Cheek mass lies anterior to the cornea



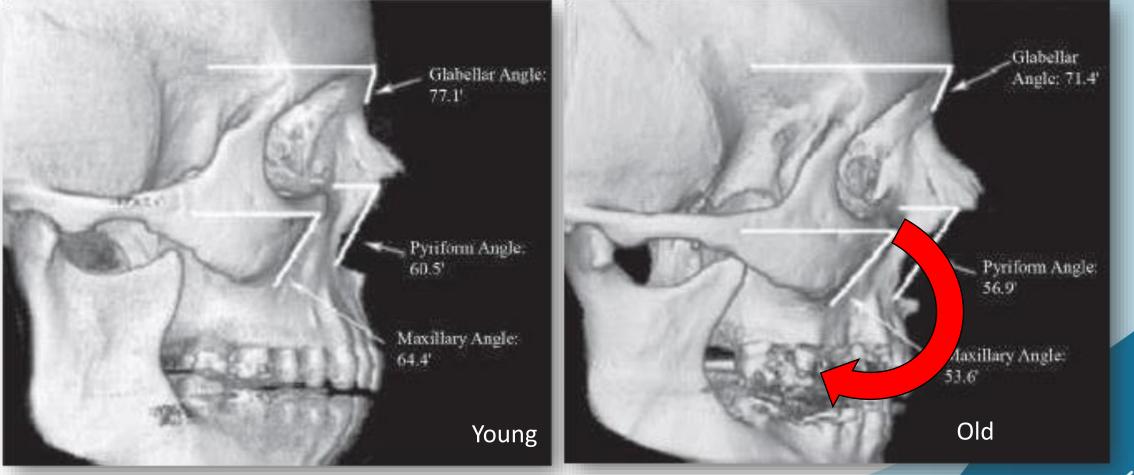
Neutral Vector Cheek mass lies in the same plane as the cornea



Negative Vector Cheek mass lies posterior to the cornea



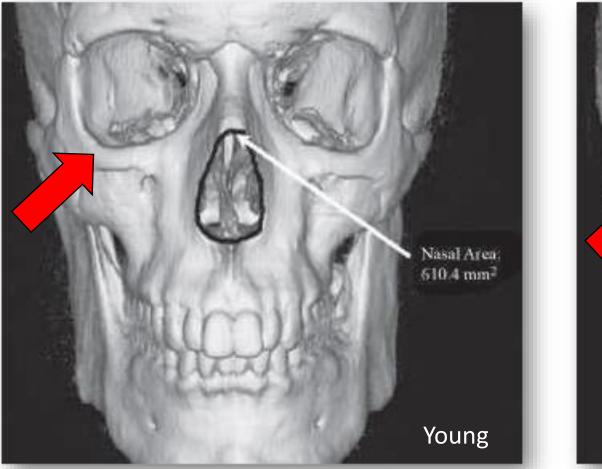
Aging Facial Bone Changes

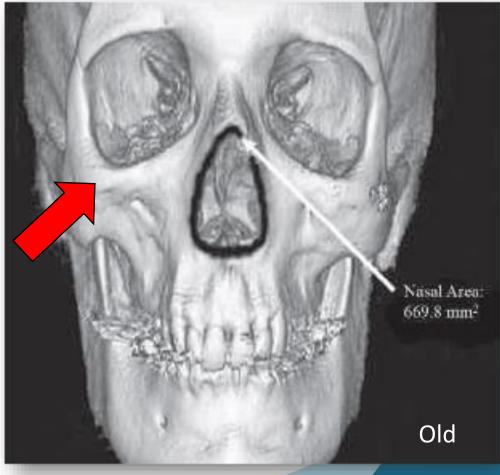


Bones in midface & jaw become less prominent causing loss of structural support resulting in sunken appearance



Aging Facial Bone Changes





Orbits become larger causing loss of structural support leading to aged appearance

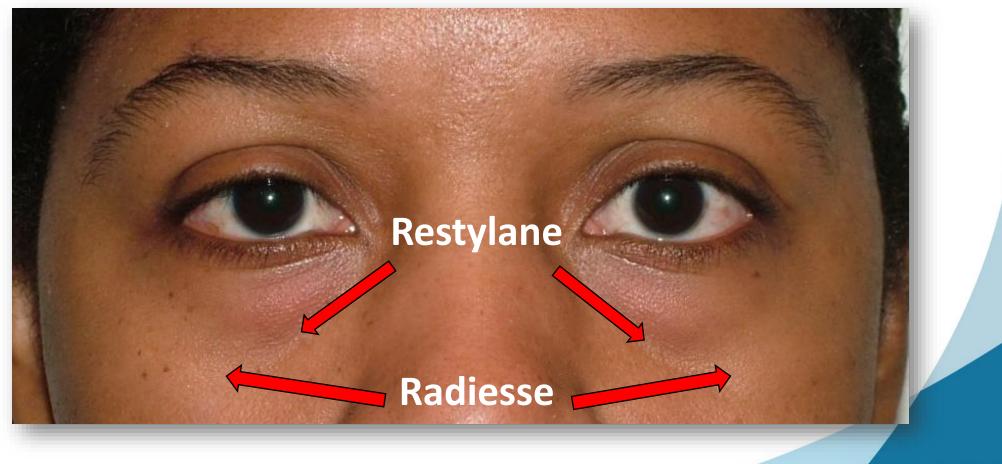


Infraorbital Hollow with Poor Malar Support





Treat the Upper Cheek, then Infraorbital





Balanced Midface





Relax + Refill + Resurface



After neuromodulator + HA filler + CO_2 laser





Risks & Complications

Tyndall Effect

Bluish hue within the skin after HA injection

- Too superficial placement
- Too much injected
- Bolus injections
- Thin skin

Treatment: Dissolve with Hyaluronidase if not responsive to massage after 2-4 weeks





Risks & Complications

Persistent Edema

Puffy lower lids

May appear months or years later

- Too superficial placement
- Too much injected
- Bolus injections
- Lymphatic obstruction

Treatment: Dissolve with Hyaluronidase if not responsive to massage after 2-4 weeks





Injection Example: Video Demonstration

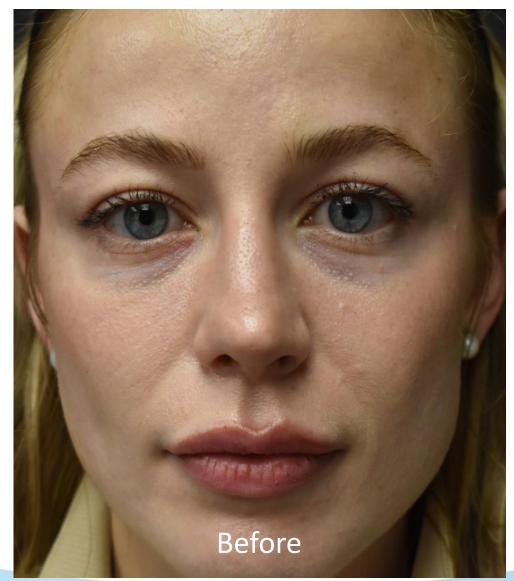
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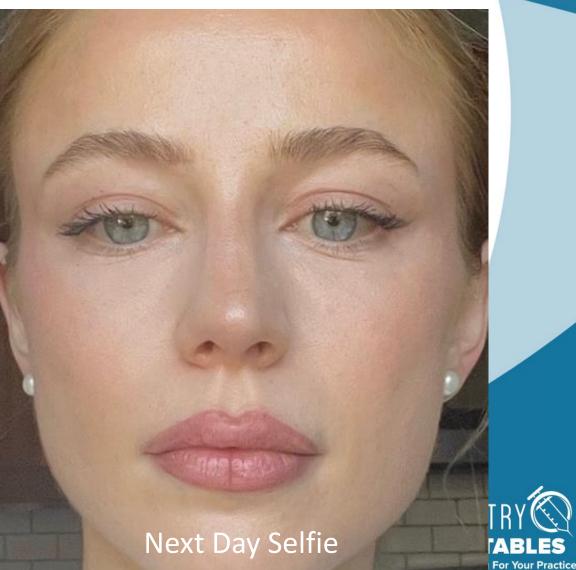


Injection Example: 0.8 mL Belotero Balance



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