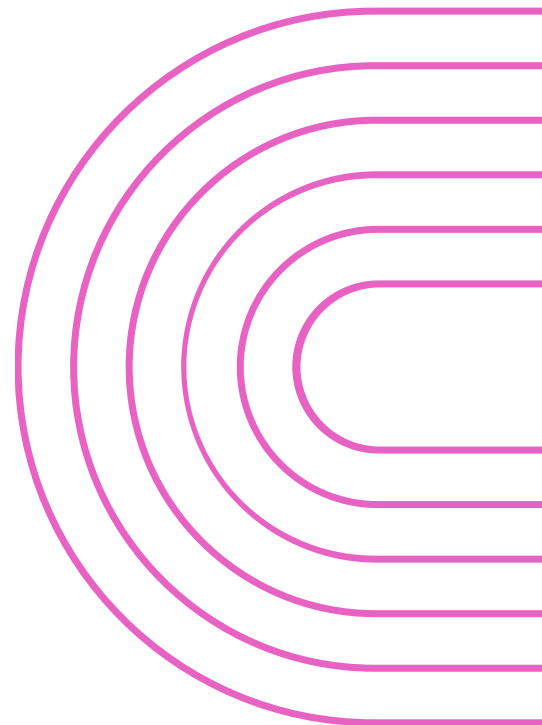


REGENERATIVE AESTHETICS

M I C R O N E E D L E

CARMEN PUCKETT, BSN-RN
@YDH_NURSECARMEN

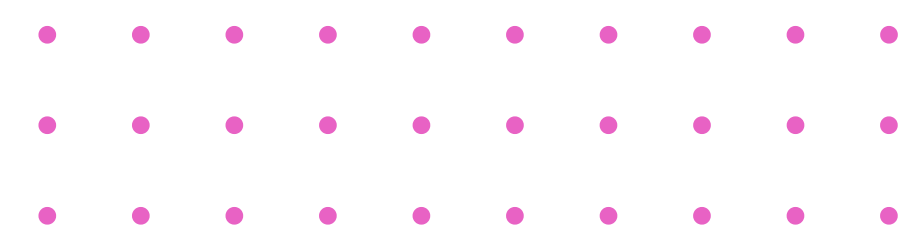




- **REGISTERED NURSE FOR 10 YEARS. CRITICAL CARE BACKGROUND**
- **WORKING IN AESTHETICS SINCE 2020**
- **WITH YDH SINCE 2019**
- **SPECIALIZE IN INJECTABLES AND MEDICAL SKINCARE**



Carmen Puckett, RN



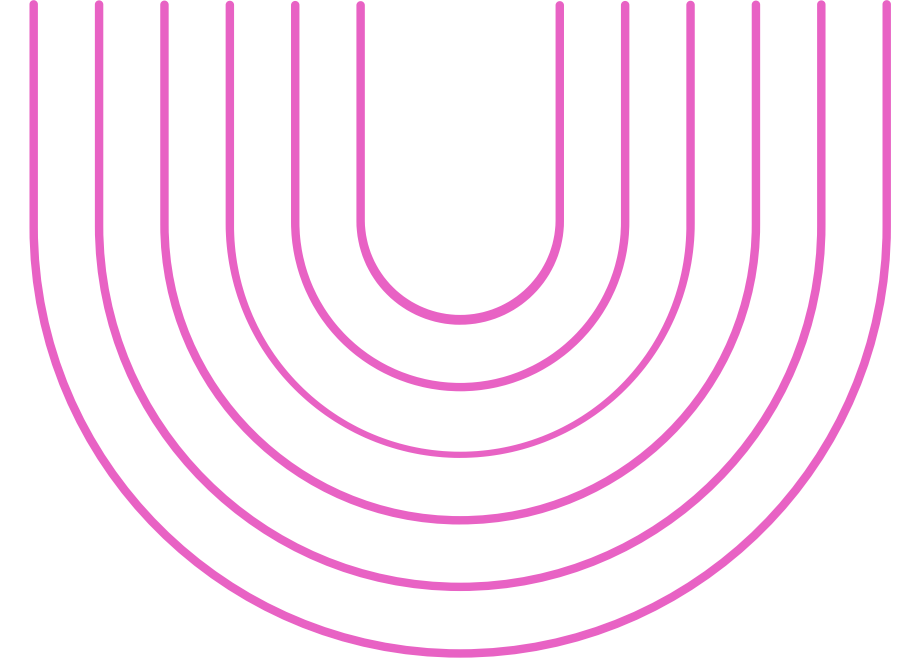
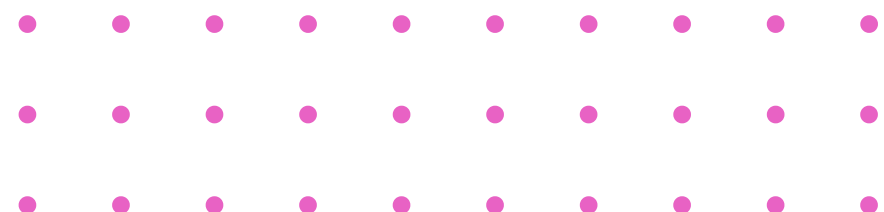
01. SKIN SCIENCE

02. WHAT IS A MICRONEEDLE?

03. REGENERATIVE TOPICALS

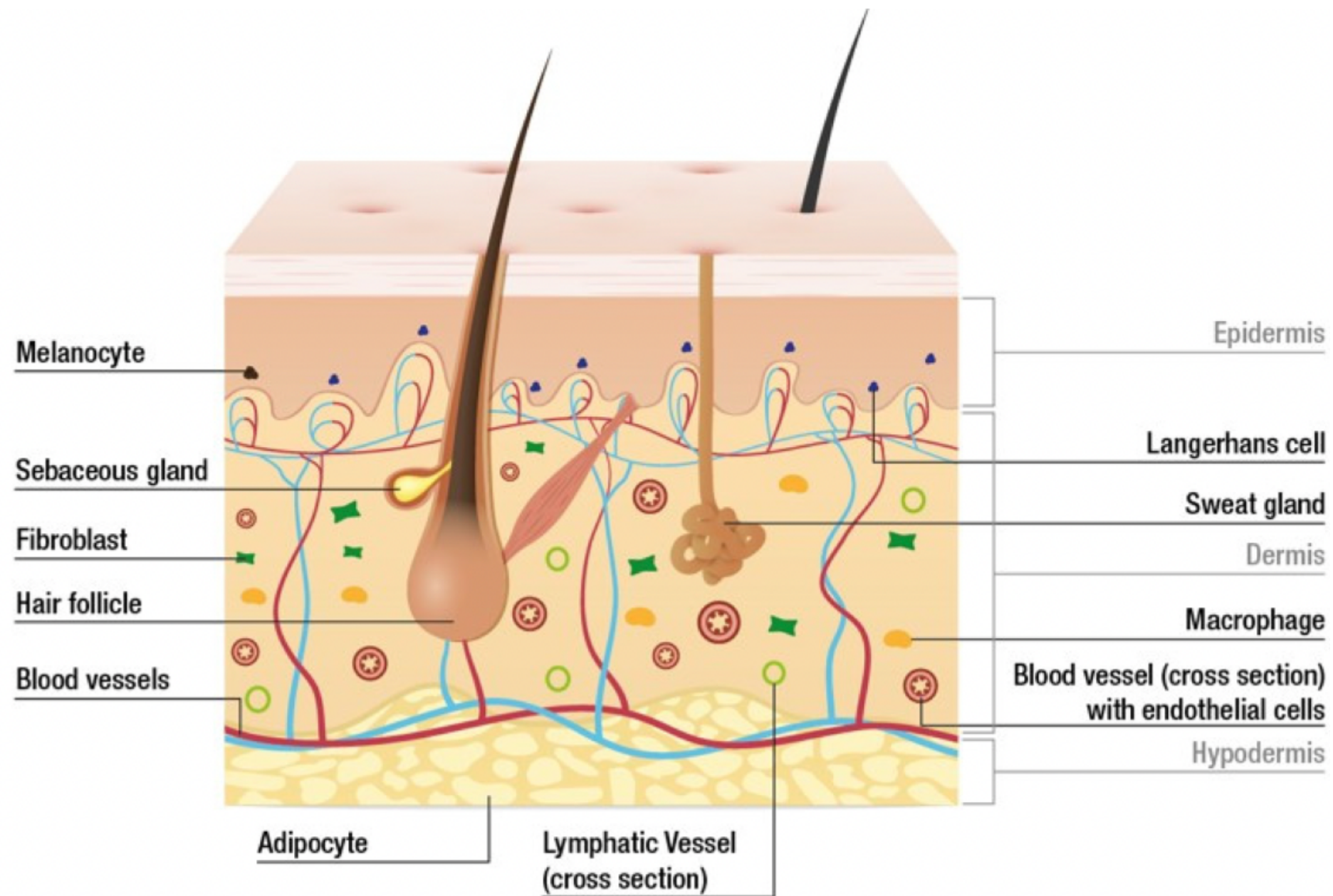
04. PATIENT SELECTION

05. BEFORE AND AFTERS
+ QUESTIONS



OVERVIEW

SKIN SCIENCE



- EPIDERMIS (0.5mm - 1mm)
 - different layers of skin cells
 - melanocytes at the lowest portion
- DERMIS (1mm - 4mm)
 - fibroblast
 - collagen/elastin

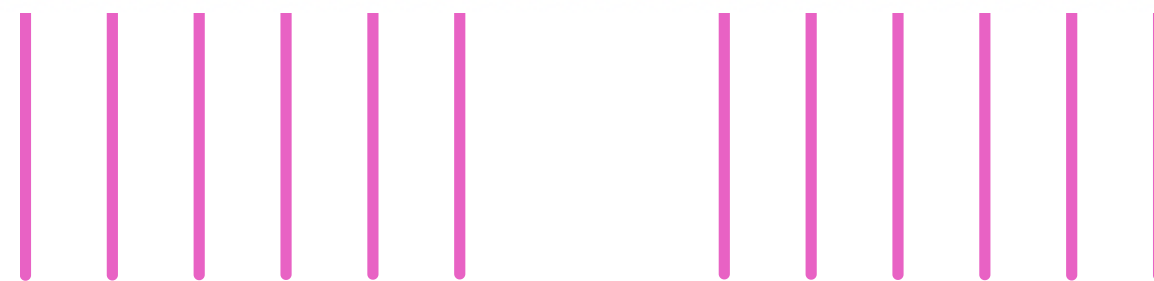
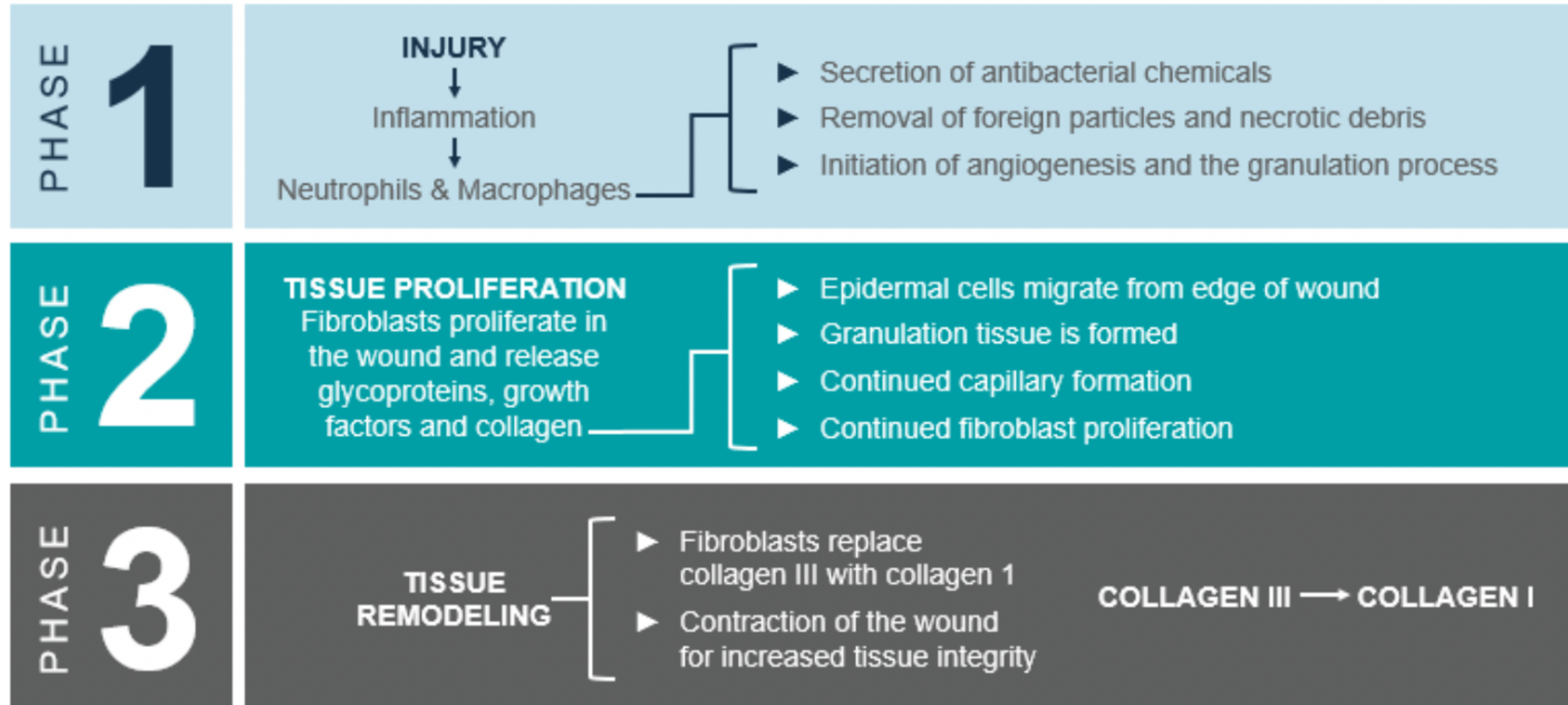
WHAT IS MICRONEEDLE?

Microneedling is a minimally invasive procedure involving superficial and controlled punctures to the skin.

Microchannels in the epidermal/dermal layers of the skin induces the body's wound healing cascade.



HOW IT WORKS:



SKINPEN

- 14 2.75mm needles
- 1600 microchannels per second
- Validated to fully retract from the skin to prevent dragging
- Validated sharpness of needles for up to 80min.





REGENERATIVE TOPICALS





PLATELET RICH PLASMA

- Composed of growth factors to stimulate cell reproduction and tissue regeneration
- Stimulate collagen and elastin in the dermis
- Improve healing time
- Can be injected pre-microneedle
- vs. platelet rich fibrin (PRF)



STEM CELLS

- Vitti Labs
 - Vitti Pure
 - Cryo Elixer
- Why?
 - Better growth factor sample
 - Improved results



VITTI PURE

- Umbilical cord tissue
- Extracellular matrix (ECM) is minimally manipulated, therefore retaining its advanced growth factors profile of over 1,000 growth factors and 28 types of collagen
- Rebuilds and repairs injury sites
- Can be injected or used topically





VITTI-PURE CONTAINS:

Hyaluronic Acid

Elastins

28 Collagen Types


2 Collagen Subtypes

Nanoparticles

Proteins

Lipids

Nucleic Acids



Growth Factor		21 yrs old	37 yrs old	61 yrs old
BMP-5	3772	393	389	246
VITTI-PURE contains 28 different types and 2 sub-types of collagen.				
Collagen I a1	12270	1103	753	96
Collagen III	5601	1128	563	368
Collagen IVa6	4946	2066	1620	1170
Collagen IX	6529	703	363	187
Collagen V	8732	2091	1773	553
Collagen VI	5043	1200	671	437
Collagen X	4848	2178	1155	693
EGF	2397	529	253	236
GDF-15	2752	1139	826	299
ICAM-1	2581	1063	324	149
IGF-1	3248	557	261	151



CRYO ELIXER

VITTI COSMETICS CRYO ELIXIR contains:

- collagen
- elastin
- laminin
- hyaluronic acid
- vitamins
- minerals
- trace elements
- alpha-lipoic acid
- nanoparticles
- nucleic acids
- lipids
- amino acids
- peptides
- cytokines
- growth factors
- fibroblast biomolecules
- extracellular matrix components



CRYO ELIXER

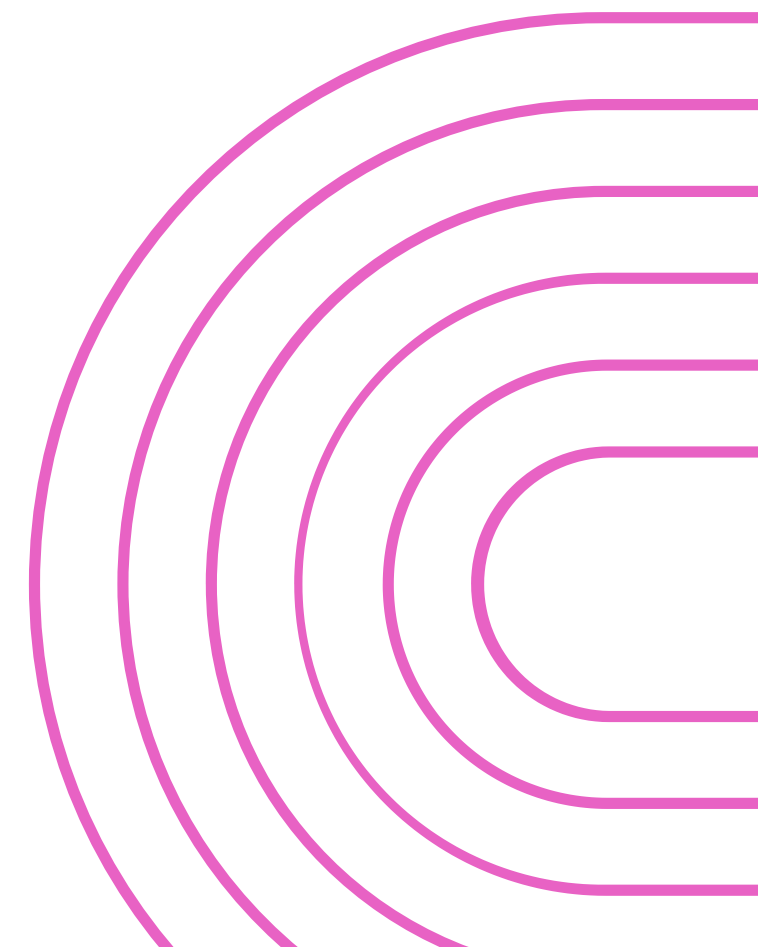
- Placental derived
- Topical use only
- Can penetrate all 3 layers of the skin (epidermis, dermis, hypodermis)
- 1.5ml vial



OTHER TOPICAL/INJECTABLE

- Sculptra
- "Glass Facial"
- Retinol
- Pigment Inhibitors

SO. MANY. OPTIONS.



Glutathione as a skin whitening agent: Facts, myths, evidence and controversies

Sidharth Sonthalia ¹, Deepashree Daulatabad, Rashmi Sarkar

Affiliations + expand

PMID: 27088927 DOI: [10.4103/0378-6323.179088](https://doi.org/10.4103/0378-6323.179088)

- Reduces tyrosinase activity (the building block to melanin production).
- Glutathione shifts melanogenesis from eumelanin (black/brown pigment) to pheomelanin (yellow/red pigment) Lighter skin.



Topical glutathione + Vitamin C with a ZO skin regimen



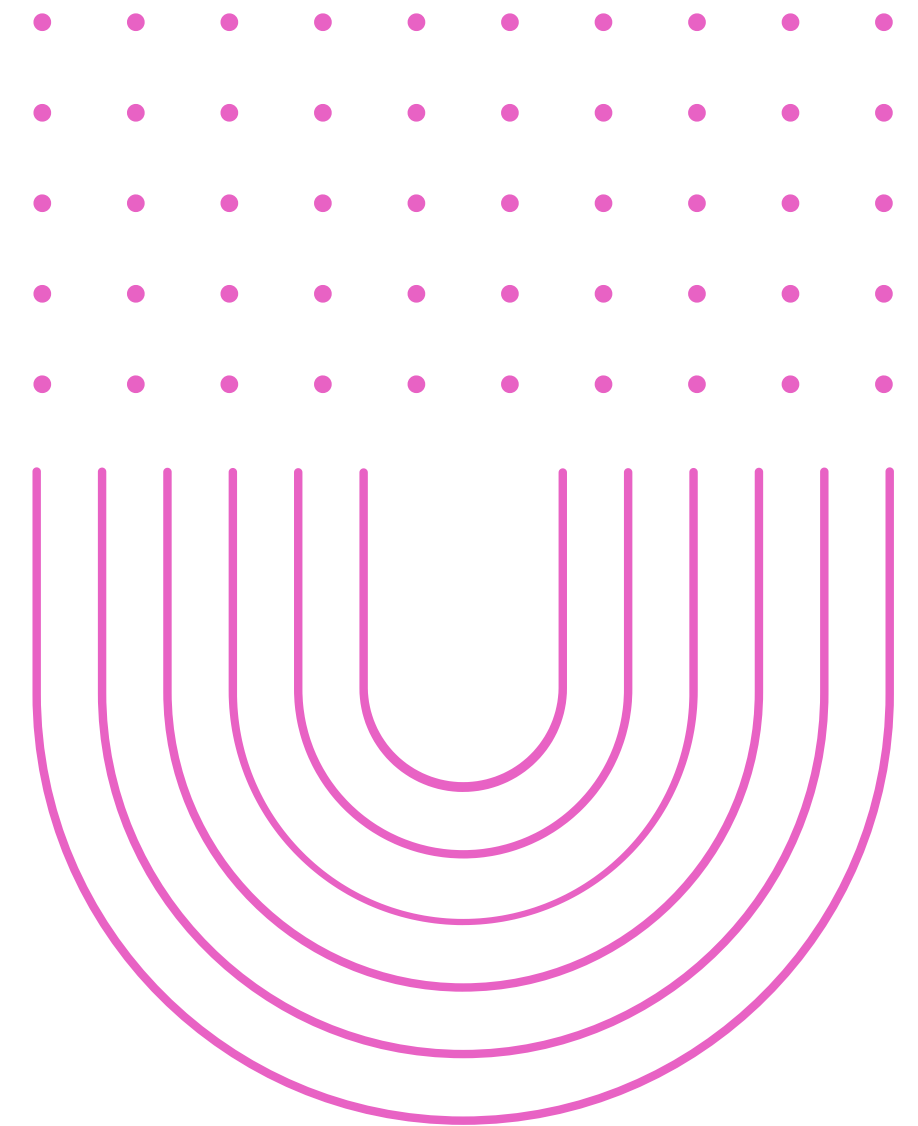
Safe For:

- All skin types
- Retinol or hydroquinone use
- Any age



Contraindications:

- Active skin cancer
- Open lesions or cystic acne
- HSV outbreak
- Pregnant/breastfeeding
- History of abnormal pigmentation
- Accutane use



MICRONEEDLE
**PATIENT
SELECTION**

Pre-Care

- stop any retinoids or pigment inhibitors 7 days prior
- avoid NSAIDS 7 days prior

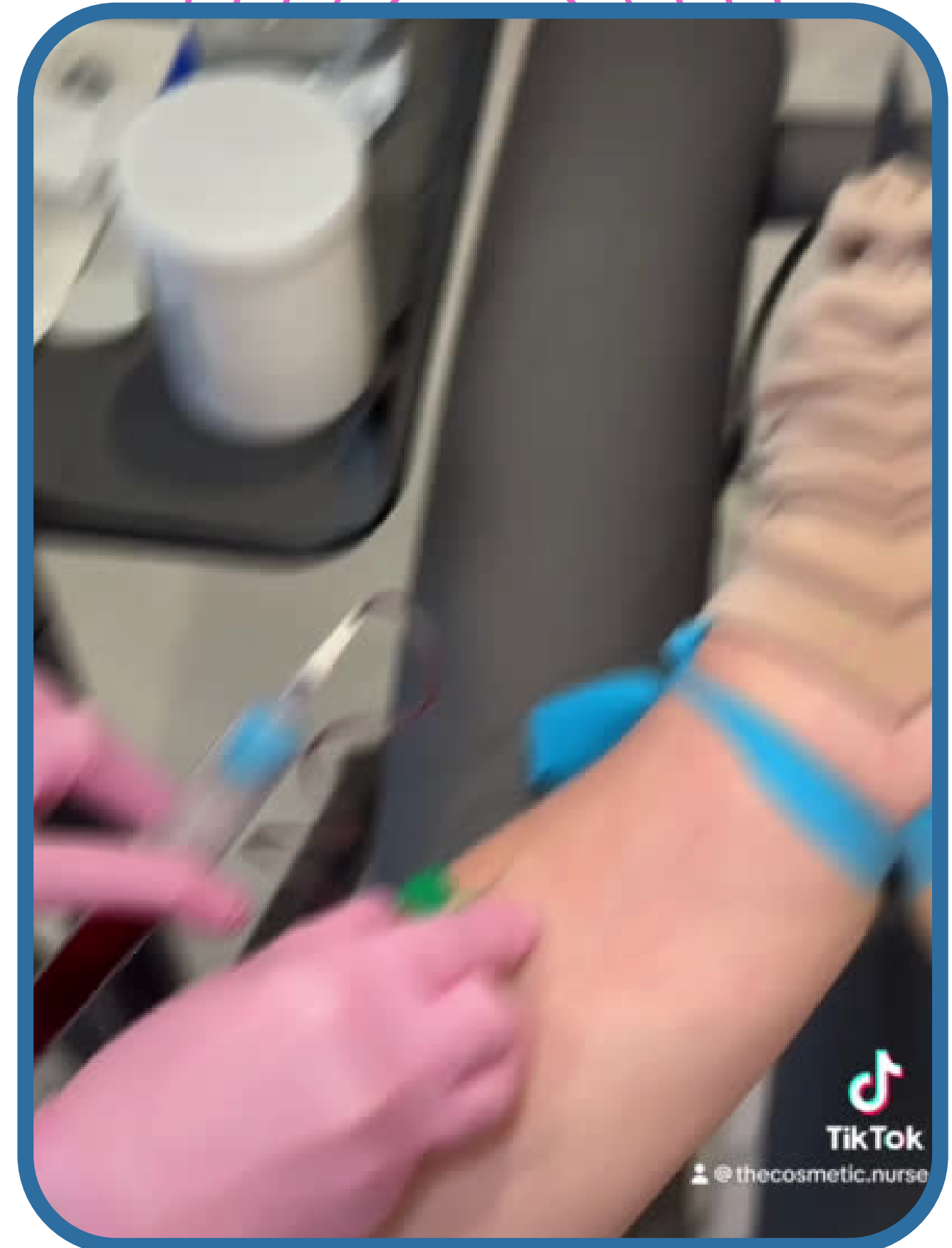
Post-Care:

- Avoid sweating and makeup for 48hrs
- Avoid correctives until skin is healed (this can be up in the air depending on provider)
- Peeling, redness, bleeding.



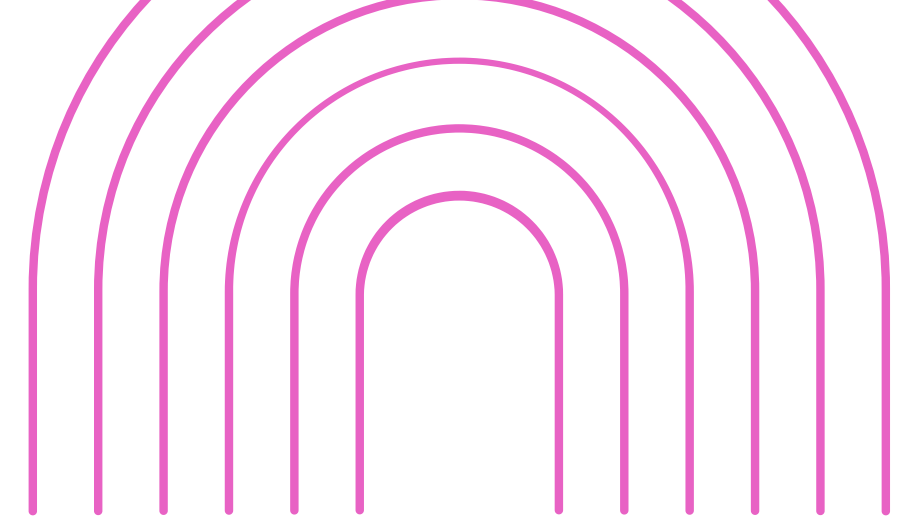
MICRONEEDLE HOW TO:

- Cleanse the skin
- Apply topical numbing
- Apply biologic topical to areas as microneedling.
- Looking for pinpoint bleeding
- Finish with a biologic

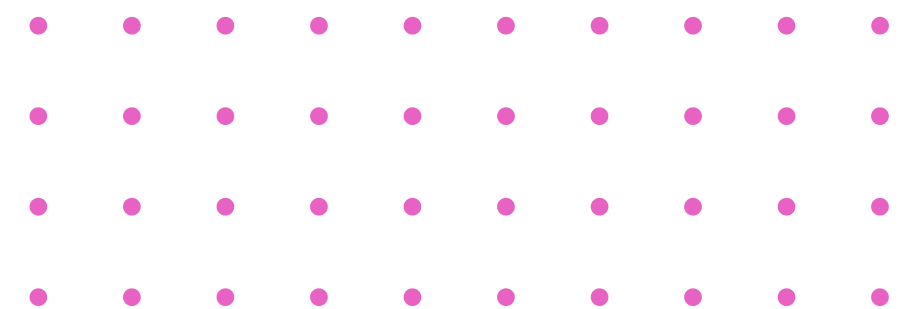


MICRONEEDLE HOW TO:

- Must always have some sort of a glide
- Pinpoint bleeding

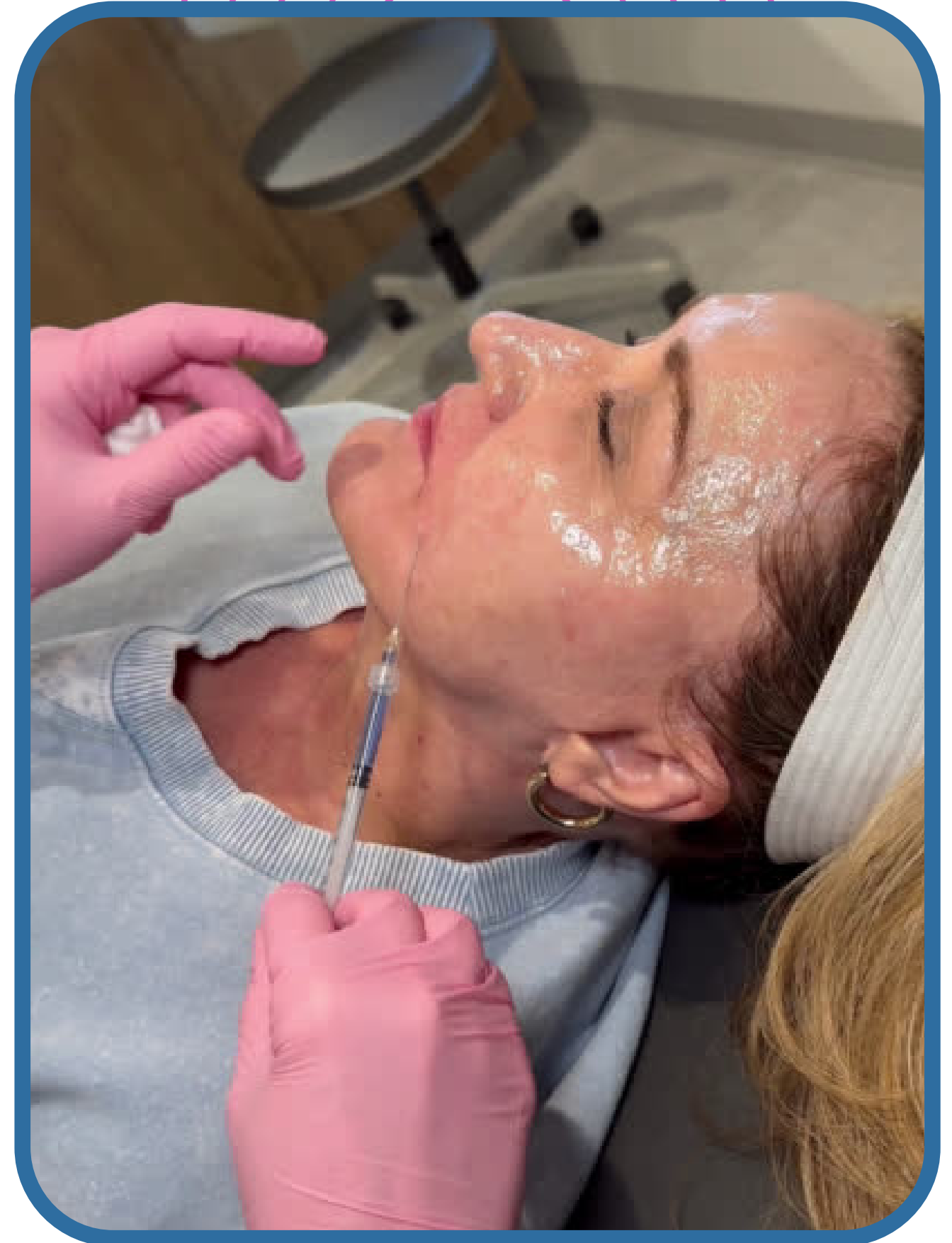


Procedure Depth (Suggested Guidelines)
Forehead (0.25-1.0 mm)
Around the Orbital Rim* (0.25-0.5 mm)
Nose (0.25-0.75 mm)
Facial Acne Scars (up to 1.5 mm)
Neck Wrinkles (up to 2.5 mm)



SCAR PROTOCOL

- Peptides
- 20 gamma Ozone
- Stem Cells (vitti pure)
- subscision
- SkinPen microneedle



BEFORE & AFTERS



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Yoo Direct Health



1/3



Before combination skin therapies

1 year into using combination skin therapies

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Before combination skin therapies

1 year into using combination skin therapies

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Before combination skin therapies

1 year into using combination skin therapies

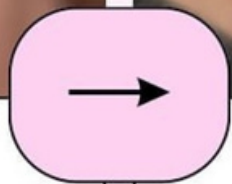
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BEFORE



1 WEEK LATER

Advanced Microneedle

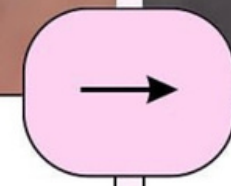
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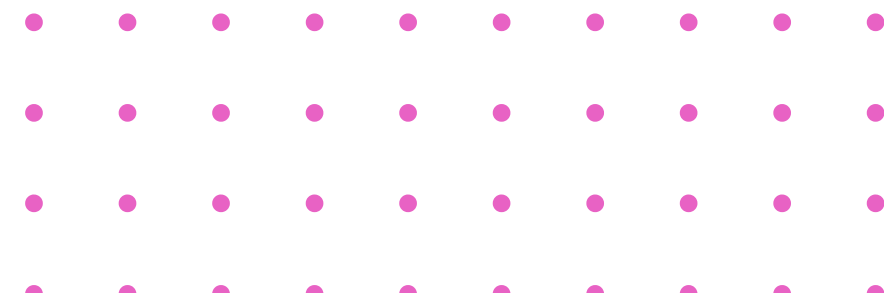
BEFORE



1 WEEK LATER

Advanced Microneedle

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QUESTIONS?



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