

Age**JET**

ADVANCED PLASMA  
SKIN THERAPY



# Non-Ablative Skin Resurfacing

AgeJET advanced plasma skin therapy is a quick and easy treatment that delivers a more youthful and refreshed look in only 10 minutes. With the renowned AgeJET Eye treatment, you can deliver industry leading results, with no need for ocular shields.





## What Is Nitrogen Plasma for Skin Therapy?

- Utilizes pure gas derived plasma energy
- Plasma is the 4<sup>th</sup> state of matter
- Ionized nitrogen particles are excited by ultra-high radio frequency energy
- Output is a burst of thermal nitrogen plasma
- Plasma will non-ablatively wound the tissue and induce tremendous amounts of collagen and elastin production.
- Results will continue to improve up to 12 months post treatment

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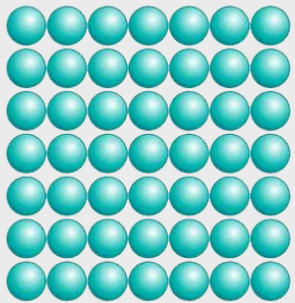
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PLASMA SKIN  
THERAPY

# How Does AgeJET Work?



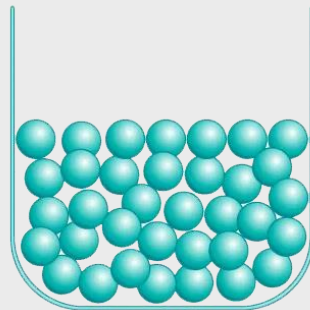
# Fourth State of Matter - Physical States

Increasing Energy →



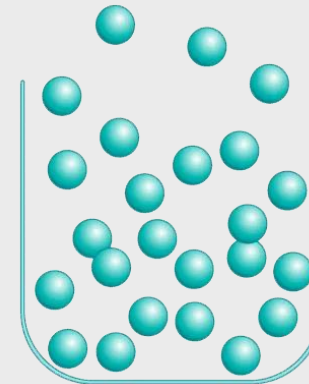
## Solid

The molecules that make up a solid are arranged in regular repeating patterns. They are held firmly in place but can vibrate within a limited area.



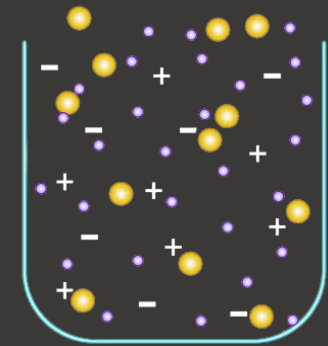
## Liquid

The molecules that make up a liquid flow easily around one another. They are kept from flying apart by attractive forces between them. Liquids assume the shape of their containers.



## Gas

The molecules that make up a gas fly in all directions at great speeds. They are so far apart that the attractive forces between them are insignificant.



## Plasma

At the very high temperatures of stars, atoms lose their electrons. The mixture of electrons and nuclei that results in the plasma state of matter.

# Other Types of Plasma?

Different plasma uses include topical delivery, denaturing of bacteria and fungus, scar revision, treating precancerous lesions, skin regeneration and other general dermatologic conditions.

Argon gas produces a plasma that is cooler in temperature and is typically used for medical purposes.

*EX) Coagulating blood during a colonoscopy and new dermatology applications*

Helium gas produces a plasma that is cooler but is also fully ablative when used on the skin topically. Its best use has been found to be subdermally for tissue tightening.

*EX) Renuvion/J-Plasma*

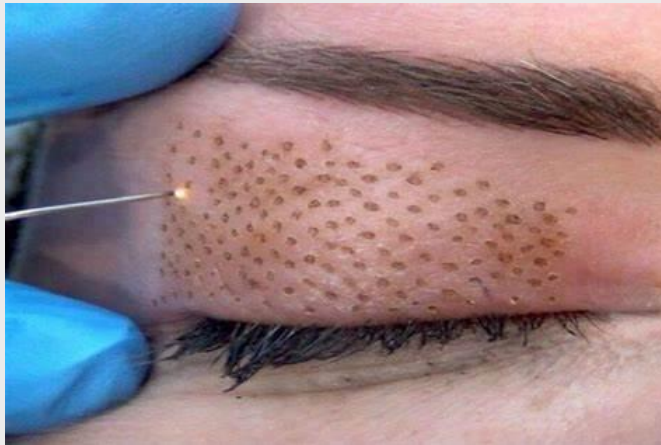
Used in conjunction with a neck, or face, lift and after liposuction to firm and tighten tissue.

**Bottom line:** Nitrogen plasma is the only plasma that is perfectly suited to treat multiple dermatologic conditions with a single topical treatment.





## Other Types of Plasma Devices?



**Electrostatic Discharge:** A controlled electric charge to emit plasma gas that vaporizes excess skin.

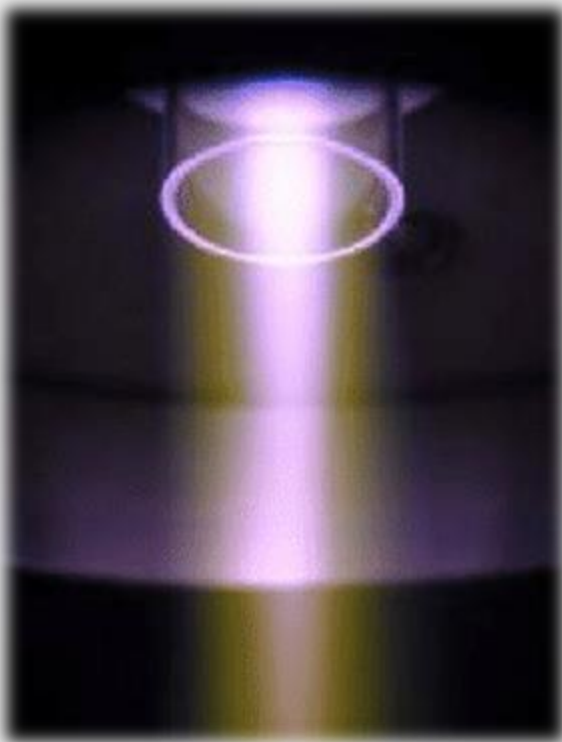
**Plasma Pens/Alma Opus Plasma:** These simply ionize the gasses in open air rather than a pure medical grade gas to generate an electrostatic discharge.



**Alma Opus Plasma:** The metal pins on the Alma Opus Plasma tips are super-charged with high voltage and operate at a high frequency of over 40MHz; when in close proximity to the skin, the charged pins react to atmospheric pressure in the air, creating plasma that, in turn, produces the microthermal zones of fractional injuries. Essentially micro-ablative RF

**Bottom line:** Pure nitrogen plasma is the only plasma that is perfectly suited to treat multiple dermatologic conditions with a NON-ABLATIVE approach.

# AgeJET – UHF Induced Nitrogen Plasma



ULTRA HIGH FREQUENCY energy ionizes the nitrogen gas and produces a plasma pulse that heats the tissue while the nitrogen ions purge the oxygen from the skin creating a non-ablative wound to the skin tissue.

## MECHANISM OF ACTION:

- Well hydrated skin allows the thermal energy to spread through the water in the skin tissue by thermal conduction.
- Epidermal permeability is greatly increased by expanding the lipid bi-layer bonds.



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# Past Version of Nitrogen Plasma



# Past Versions of Nitrogen Plasma

Rhytec Portrait  
2007



NeoGen  
2010



AgeJET  
2023



## Past Versions of Nitrogen Plasma



### Rhytec Portrait - 2007

- High energy treatments were very uncomfortable
- Optical distance sensor didn't offer consistent spacing from tissue resulting in adverse events
- Patient downtime was lengthy
- Occurrence of patient referral was very low



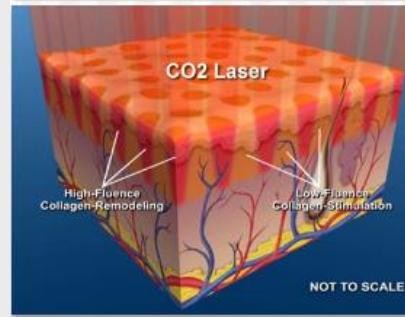
### NeoGen - 2010

- High energy treatments were very uncomfortable
- Very slow treatments due to weak components
- Have to buy 2 separate tips for different spacing
- Service was very unreliable
- Device was prone to break downs

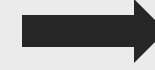
# The Evolution of Skin Revitalization



Fully Ablative Co2



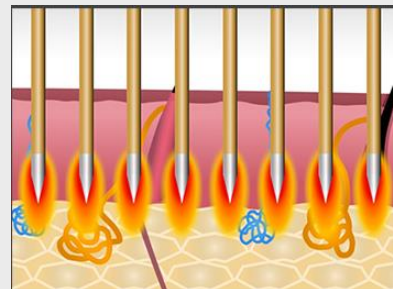
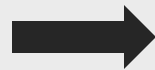
Fractional Co2



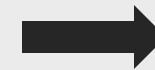
Non-Invasive RF



Fractional Non-Ablative



RF Microneedling



Introducing AgeJET

## AgeJET's Modern Advancements

### SAFETY:

- 3 interchangeable spacers
- Proven protocols for predictable downtimes
- Even able to treat darker skin types 4 & 5

### COMFORT:

- Air cooling
- Light handpiece
- No user fatigue

### SPEED:

- Allows for speeds up to 3hz
- Uninterrupted pulsing
- Increased throughput
- 25min full face Tx

### CONSUMABLE COST:

- \$70 full face
- \$10 eyes

### RESULTS:

- Consistent
- Noticeable after 30 days
- Significant after 90 days

### WHAT TO EXPECT:

- Happy patients
- Low risk of complications
- Organic referrals
- Excited staff
- Great ROI

# How Does AgeJET Nitrogen Plasma Work?

*Popular energy effects in dermal tissue*

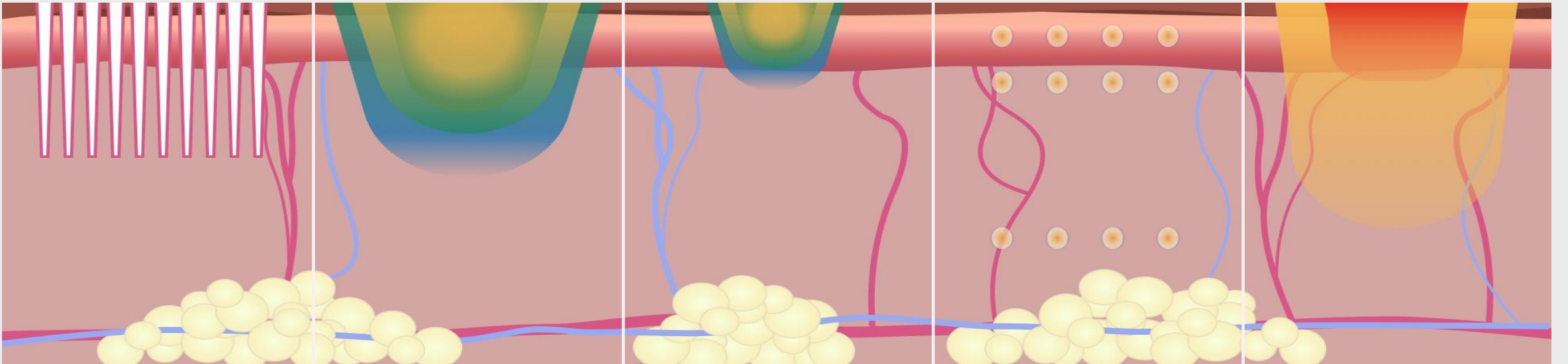
Ablative  
Non-Ablative  
Fractional Laser  
Plasma

Radio Frequency

IPL

HIFU

Nitrogen





# How Does AgeJET Nitrogen Plasma Work?

**Nitrogen is 78% of the atmosphere** and is the most tolerable to the body.

**Chosen for controlled,** predictable, thermal energy delivery to the skin's dermal architecture

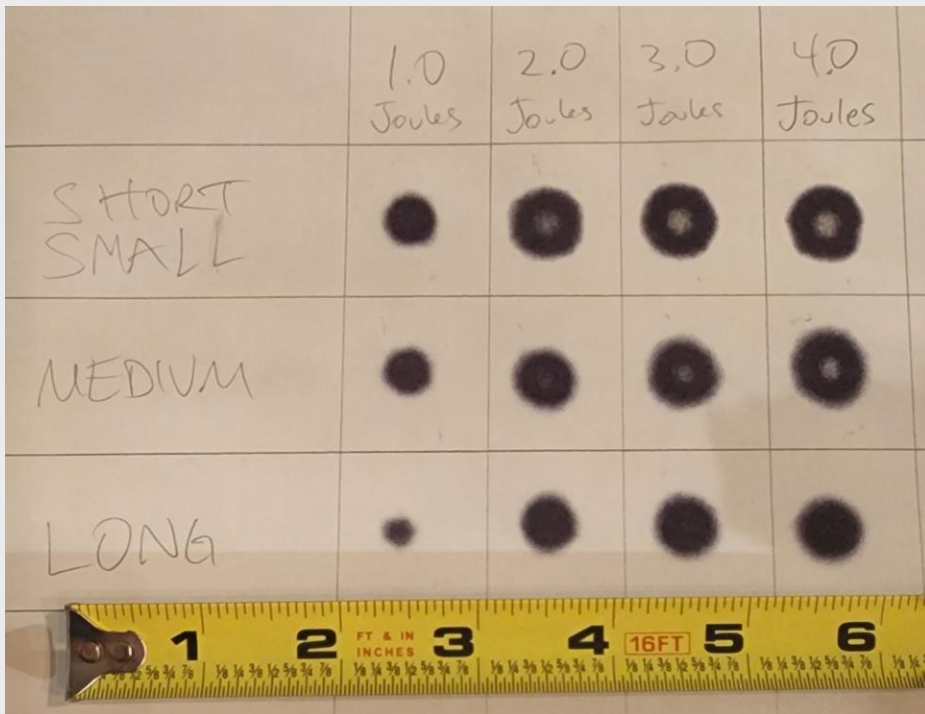
**Heats all tissue components for 100%** dermal architecture remodeling unlike fractional technologies that only treat portions of the tissue

**Non-chromophore** dependent

**Bottom line:** Thermal energy from the nitrogen plasma generated is delivered at specific distances and absorbed by the skin architecture, resulting in both immediate and long-term tissue effects and skin regeneration

# How Does AgeJET Nitrogen Plasma Work?

*Pulse profile on thermal paper*



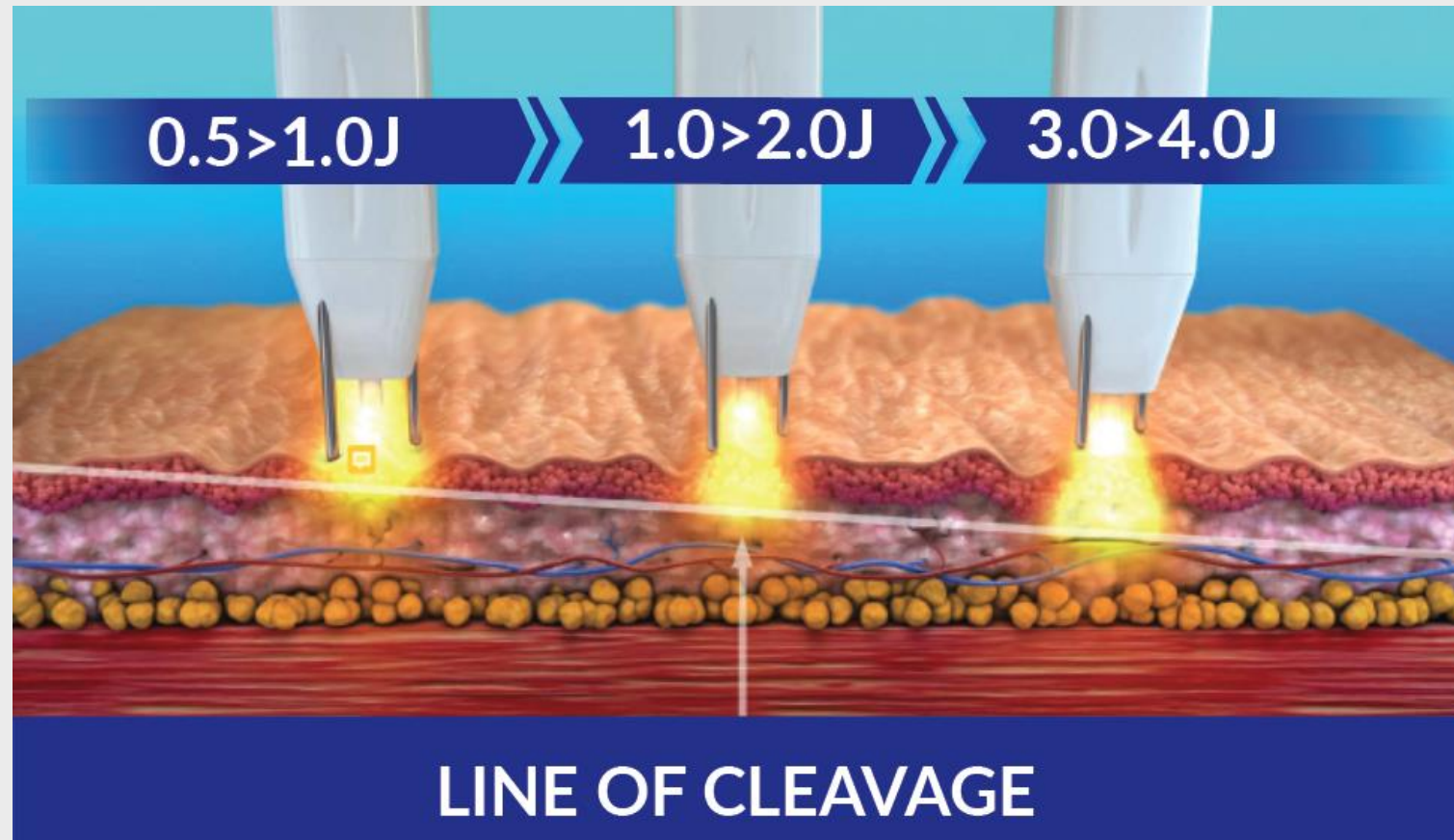
## **Solid Black or Black Outer Ring:**

This is the level and area of energy that will create a zone of thermal modification during a low of medium energy treatment.

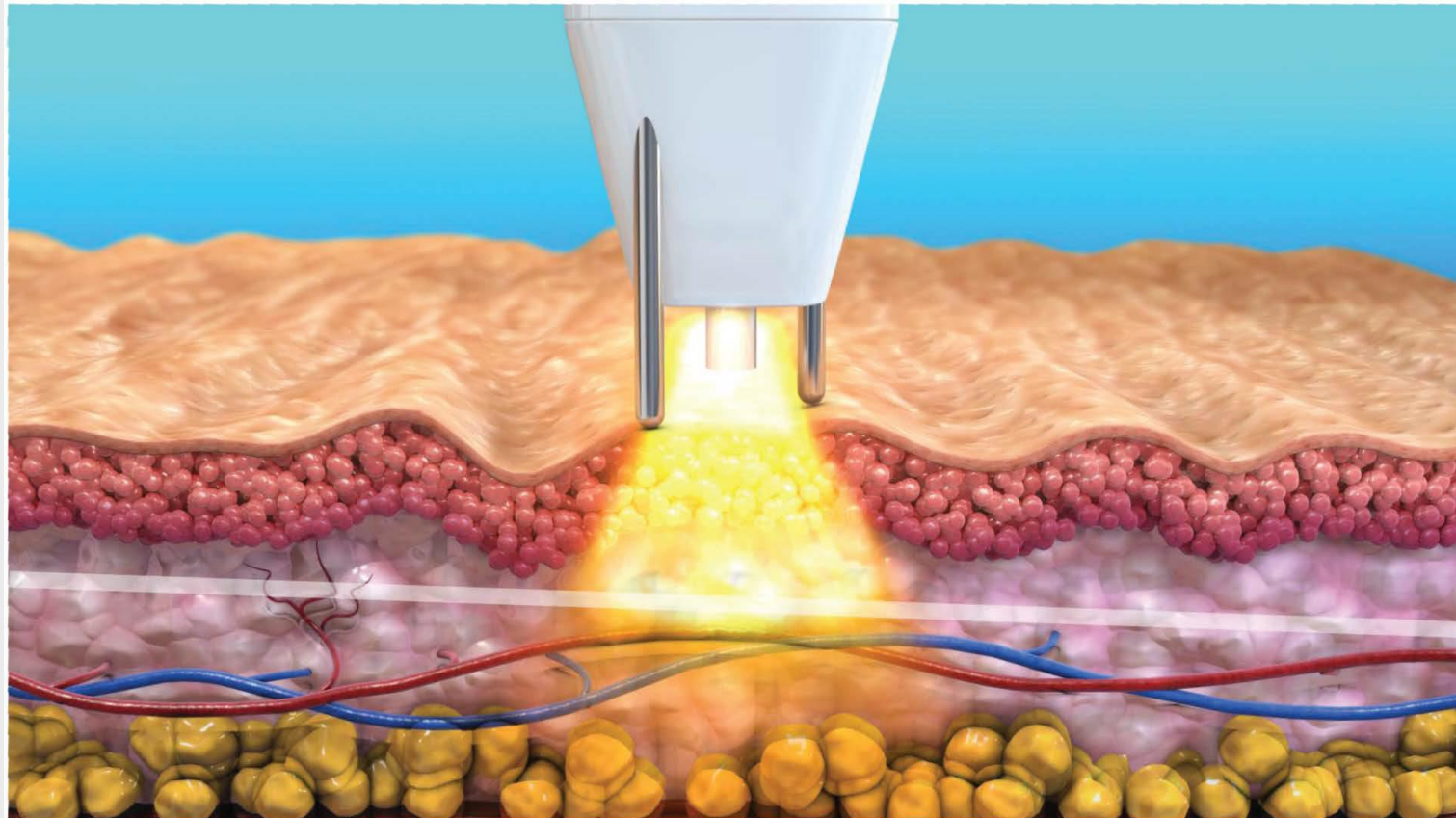
## **Inner Light Dot :**

This is the level and area of energy that will create a zone of thermal damage during a high energy treatment

# How Does AgeJET Nitrogen Plasma Work?



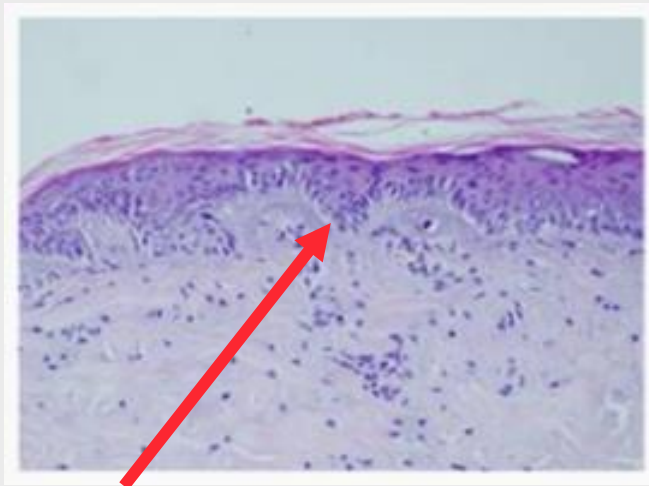
## How Does AgeJET Nitrogen Plasma Work?



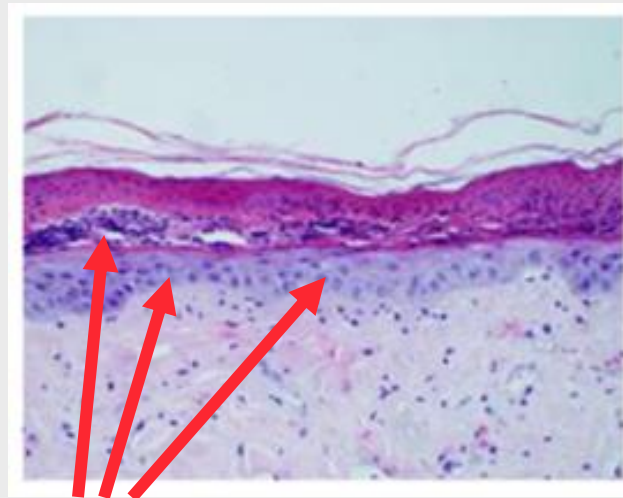


# Nitrogen Plasma Treatment Histology

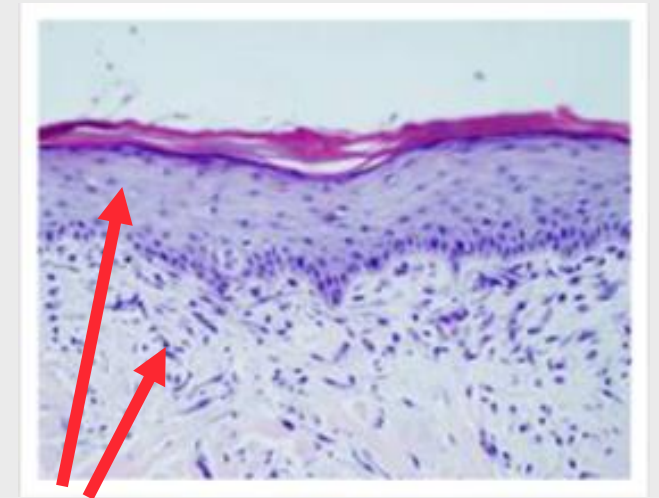
*High energy settings (3.0J+)*



- 100% treatment of dermal architecture
- 100% intact tissue
- Highly reactive dermis
- Vacuolation occurs at high energy



- Regenerating epidermis
- Developing line of cleavage between zones of thermal damage and modification
- New Stratum Corneum under line of cleavage



- 100% regenerated epidermis with residual activity in the basal layer
- Zone of thermal modification:
  - Intense fibroblast activity, Neocollagenesis
  - & NeoeLASTogenesis

# Healing Progression of AgeJET

*High energy settings (3.0J+)*



Pre-TX

Day 1

Day 3

Day 4

Day 5

Day 7



# Healing Progression of AgeJET

*Low-mid energy settings (1.25J)*



# Treating with AgeJET Plasma

## Areas of the Body

- Face
- Upper and Lower Lids
- Neck and Chest
- Hands, Knees and Body

## Ideal Candidates

- Light to medium skin tones (Type 1-5)
- All ages from 18 – 70 years old.
- Well hydrated
- Non-Smokers



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# Why The Need For AgeJET Plasma?



# Benefits of AgeJET Nitrogen Plasma

## High Safety Profile

- Very low downtime
- Non-ablative
- No scabbing or incidence of scarring like lasers
- Treat skin types 1-5

## Patient Comfort and Satisfaction

- Addresses numerous skin issues simultaneously
- Comfort air cooling built-in
- Topical anesthetic only

*Two stainless-steel spacers ensure the handpiece's distance from the skin, and therefore the treatment energy.*



# Great Return on Investment

## AgeJET Eye

- 10 minute Tx
- Only Costs \$10 in consumables
- Average Patient Cost: \$1,000

## AgeJET Smooth

- 25 minute Tx
- Only Costs \$70 in consumables
- Average Patient Cost: \$1,500

## AgeJET Intimate

- 5 minute Tx
- Only Costs \$10 in consumables
- Average Patient Cost: \$500



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““ AgeJET nitrogen plasma offers significant improvement of multiple skin conditions in a single treatment. The result from one AgeJet treatment is comparable to RF needling, fractional CO2, and a pigment IPL treatment combination. ””

– Nina Deep MD





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# The Results



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## Before and After Results



Before



Post 4 Weeks

AgeJET Smooth

Before and After 1 Treatment

Courtesy Sarah DiSiena, RN – Chao Plastic Surgery

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## Before and After Results



Before



Post 8 Weeks

AgeJET Eye

Before and After 1 Treatment

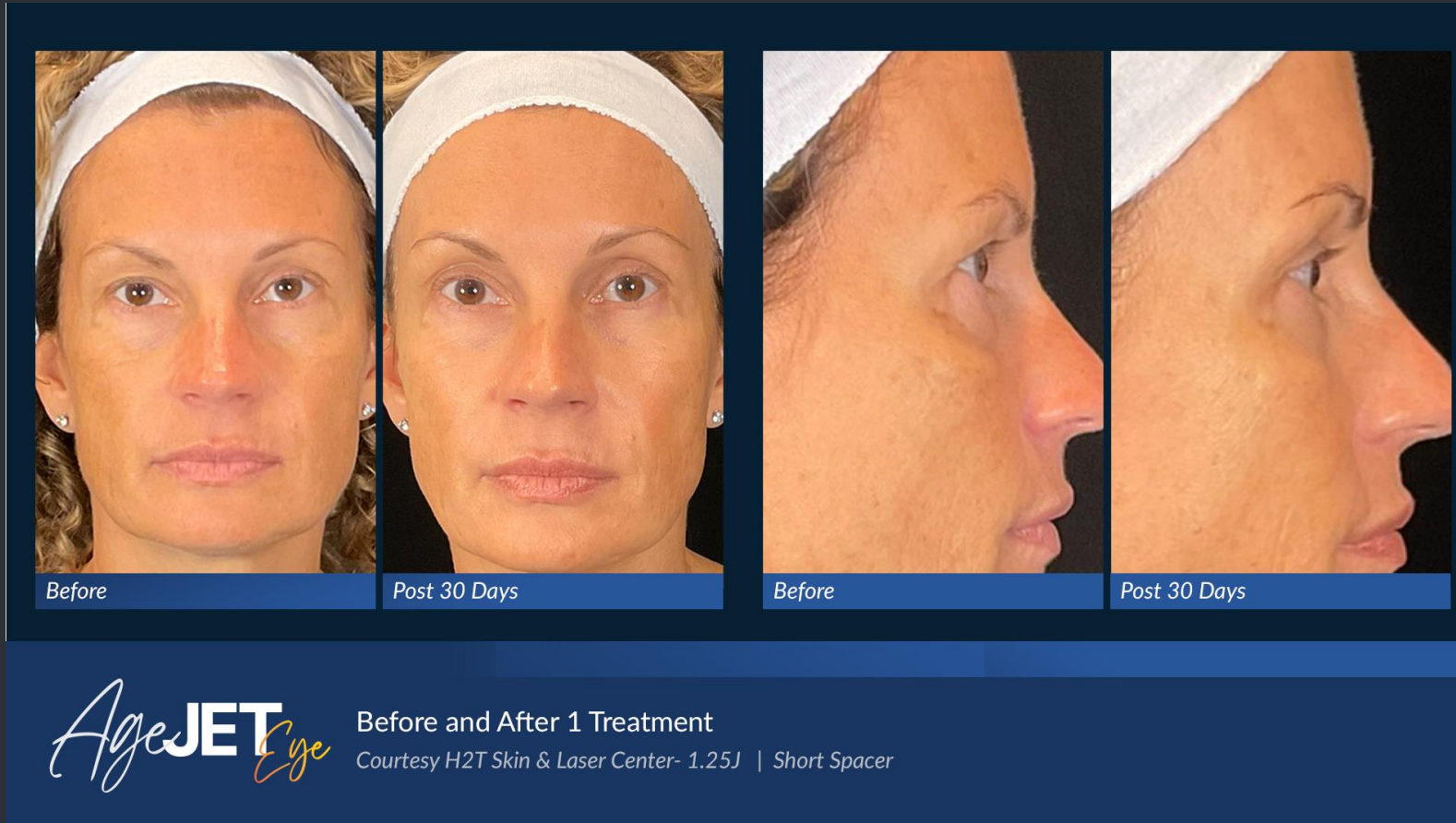
Courtesy Tawni Weaver, Renu Medispa - 1.25J | Short Spacer | Air Cooling | No Downtime

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## Before and After Results



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## Before and After Results



Before



After

AgeJET Eye

Before and After 1 Treatment  
*Courtesy Hilton Head Health & Wellness*

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## Before and After Results



Before



After

AgeJET Smooth

Before and After 1 Treatment  
Courtesy Hilton Head Health & Wellness

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## Before and After Results



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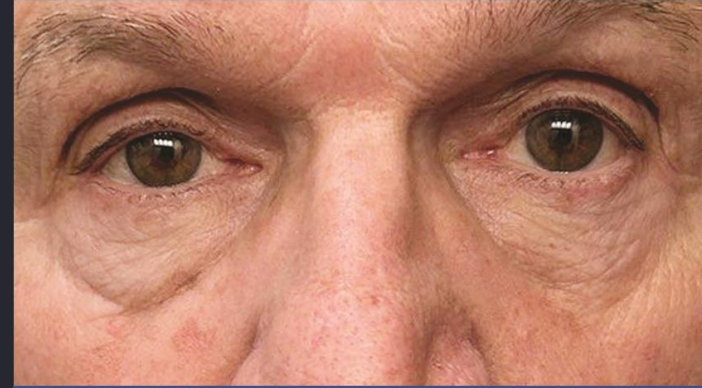
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## Before and After Results



Before



After

AgeJET Eye

Before and After 2 Treatments

Courtesy Smooch Aesthetics - 1.25J | Short Spacer | Air Cooling | No Downtime

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## Before and After Results



Before



After

AgeJET Eye

Before and After 1 Treatment

Courtesy Hayes Valley Medical- 2J - Short Spacer

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## Before and After Results



Before



After

AgeJET Eye

Before and After 1 Treatment

Courtesy Hayes Valley Medical- 1.25J - Short Spacer

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## Before and After Results



Before



After

AgeJET Eye

Before and After 1 Treatment

Courtesy Hayes Valley Medical - 1.25J - Short Spacer

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## Before and After Results



Before



After

AgeJET Eye

Before and After 1 Treatment

Courtesy Hayes Valley Medical- 1J - Short Spacer

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## Before and After Results



Before



After

AgeJET Smooth

Before and After 1 Treatment  
Courtesy Hayes Valley Medical- 1J - Short Spacer

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## Before and After Results



Before



After

AgeJET Smooth

Before and After 1 Treatment

Courtesy Hayes Valley Medical- 1J - Short Spacer

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## Before and After Results



Before



After

AgeJET Smooth

Before and After 1 Treatment

Courtesy Hayes Valley Medical - 1.25J - Short Spacer

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## Before and After Results



Before



After

AgeJET Smooth

Before and After 1 Treatment

Courtesy Hayes Valley Medical - 1.25J - Short Spacer

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## Before and After Results



Before



Post 60 Days

AgeJET *Acne*

Before and After 1 Treatment

Dr. Aida Karagah - 1.0J - Medium Spacer

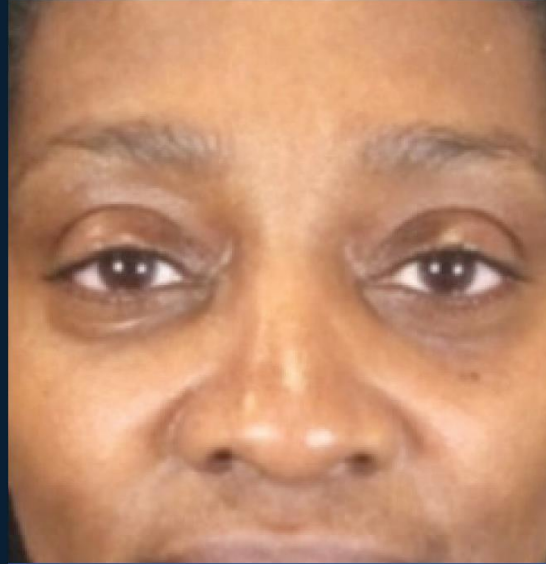
#RevealYourLook



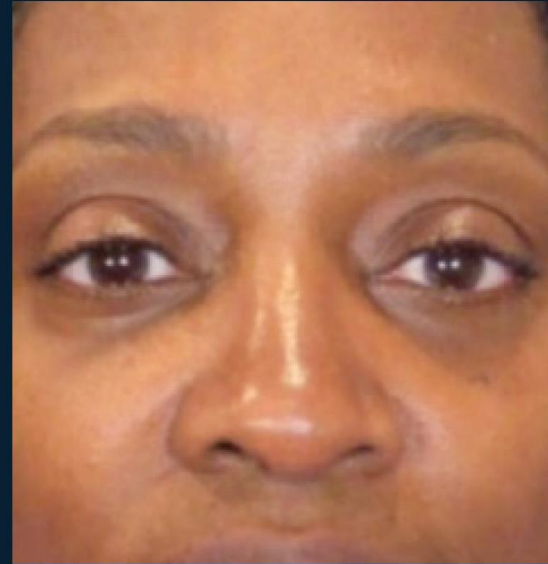
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## Before and After Results



Before



Post 90 Days

AgeJET Eye

Before and After 1 Treatment

Tawni Weaver - 1.25J - Short Spacer

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## Before and After Results



Before



Post 90 Days

AgeJET Eye

Before and After 1 Treatment

Tawni Weaver - 1.25J - Short Spacer

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## Before and After Results



AgeJET Eye

Before and After 1 Treatment

Tawni Weaver - 1.25J - Short Spacer

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## Before and After Results



Before



Post 6 Weeks

AgeJET Smooth

Before and After 1 Treatment  
Nina Deep, MD - 1.0J - Medium Spacer

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## Before and After Results



Before



Post 90 Days

AgeJET Smooth

Before and After 1 Treatment  
Nina Deep, MD - 1.5J - Medium Spacer


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## Before and After Results



Before      Post 30 Days      Post 90 Days

AgeJET Smooth

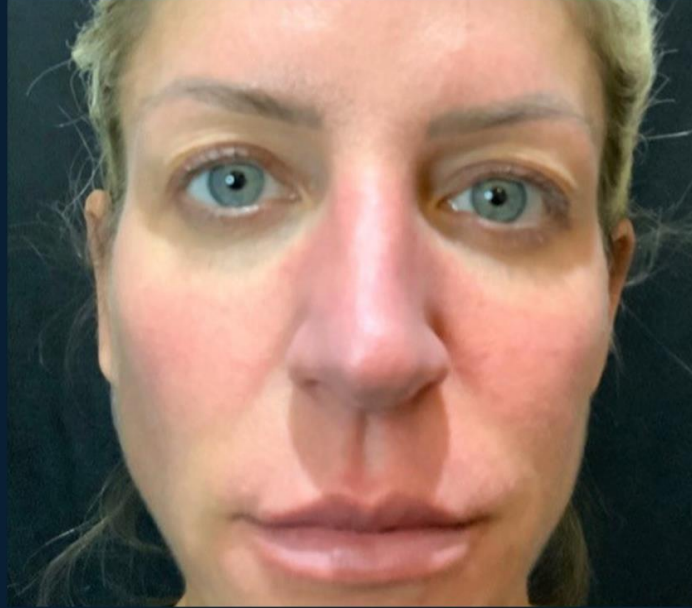
Before and After 1 Treatment  
Courtesy Melissa Gibbens NP - 1.5J | Short Spacer | Air Cooling | Three days of social downtime

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## Before and After Results



AgeJET Smooth

Before and After 1 Treatment  
Tawni Weaver - 1.5J - Medium Spacer

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## Before and After Results



Before



Post 6 Weeks

AgeJET Smooth

Before and After 1 Treatment

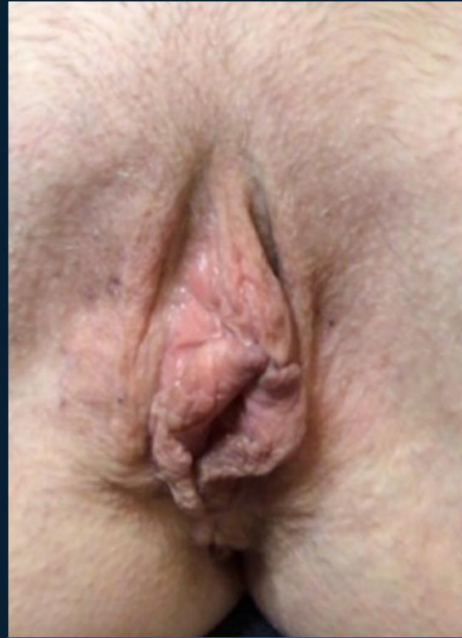
Courtesy Dr. Nina Deep- 1.5J | Medium Spacer | Air Cooling | No Downtime

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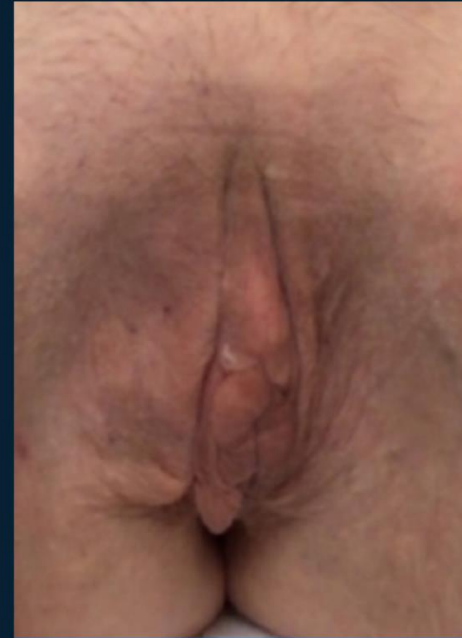
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## Before and After Results



Before



After

AgeJET Intimate

Before and After 1 Treatment

Courtesy Dr. Nina Deep- 0.5J - Medium Spacer, No Topical

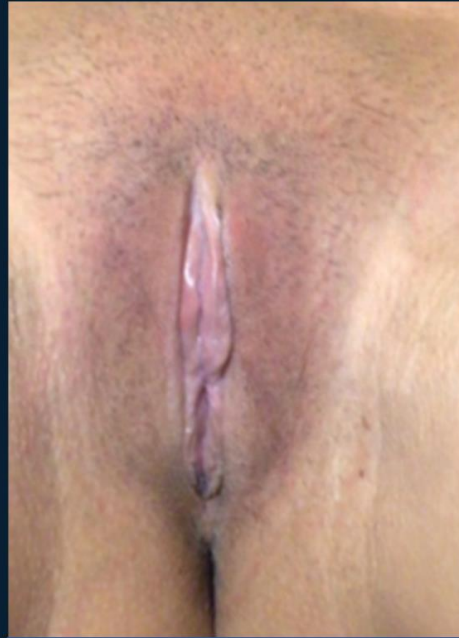
#RevealYourLook



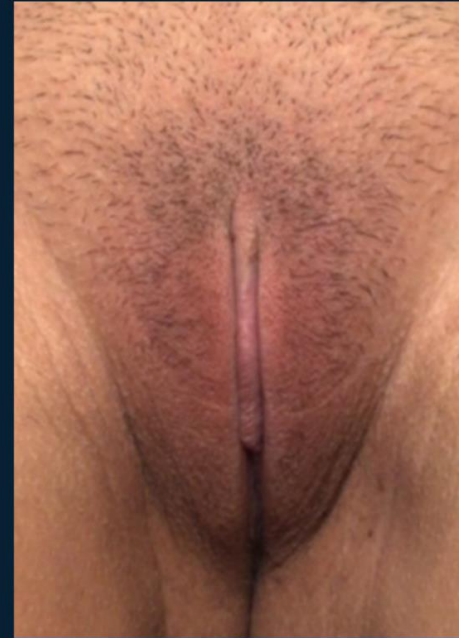
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## Before and After Results



Before



After

AgeJET Intimate

Before and After 1 Treatment

Courtesy Dr. Nina Deep- 0.5J - Medium Spacer, No Topical

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## Before and After Results



Before



After

AgeJET Intimate

Before and After 1 Treatment

Courtesy Dr. Nina Deep- 0.5J - Medium Spacer, No Topical

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## Before and After Results



Before



After

AgeJET Intimate

Before and After 1 Treatment

Courtesy Tina Sholl, APRN- 1.25J - Short Spacer, No Topical

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