

108<sup>E.1</sup>

## FACIAL TREATMENT WITH DEVICES – THEORY

- Facial Treatment Services With Devices
- Facial Treatment With Devices – Benefits

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This lesson focuses on *Facial Treatment With Devices – Theory*:

- Facial Treatment Services With Devices
- Facial Treatment With Devices – Benefits

## »» **EXPLORE**

Can you think of a service where the use of a device made the experience better?

## »» **INSPIRE**

Facial treatments with devices allow you to provide advanced services that get results.

### **Explore**

Can you think of a service where the use of a device made the experience better?

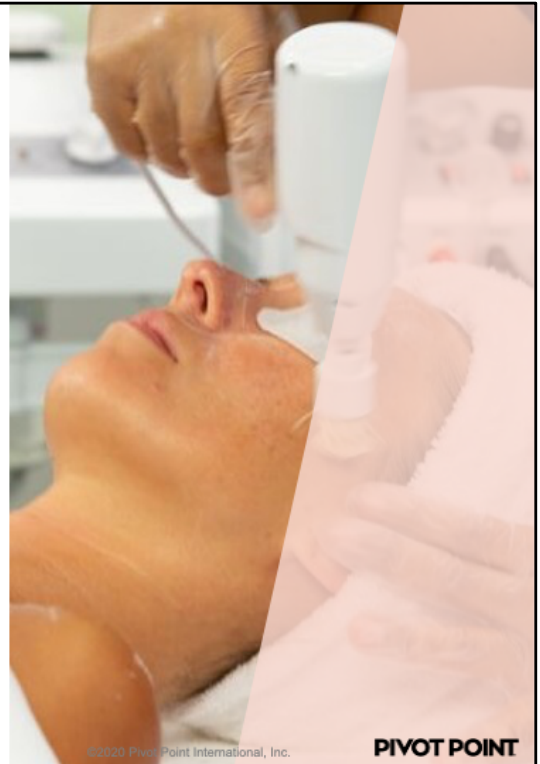
### **Inspire**

Facial treatments with devices allow you to provide advanced services that get results.



## What will I achieve?

- Identify devices used with facial treatment services
- List the benefits to skin health when including devices during a facial treatment



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Following this lesson, you'll be able to:

- Identify devices used with facial treatment services
- List the benefits to skin health when including devices during a facial treatment



## FACIAL TREATMENT WITH DEVICES – THEORY

Many devices can be added to facial treatments to enhance results. Understanding when to use a device within the treatment is essential.

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## » FACIAL TREATMENT SERVICES WITH DEVICES



Standalone treatments with devices:

- Ultrasonic Device
- Microcurrent Device
- LED Device
- Microdermabrasion Device

This lesson focuses on the basic equipment used in a corrective spa facial, noting which standalone devices are used separately within a facial.

## » FACIAL TREATMENT SERVICES WITH DEVICES



Used in facial treatments and can be included in a multifunction equipment unit:

- Steamer
- Rotating Brush
- Vacuum Spray
- High Frequency
- Galvanic
- Lucas Spray Pulverizer
- Hot/Cold Hammer

This lesson focuses on the basic equipment used in a corrective spa facial, noting which standalone devices are used separately within a facial. Used in facial treatments and can be included in a multifunction equipment unit:

- Steamer
- Rotating Brush
- Vacuum Spray
- High Frequency
- Galvanic
- Lucas Spray Pulverizer
- Hot/Cold Hammer

## » FACIAL TREATMENT WITH DEVICES THEORY



### **CORRECTIVE SPA FACIAL TREATMENT**

- Variation on regular facial, with inclusion of esthetic devices
- Also known as:
  - European facial
  - Spa facial
  - Machine facial

The corrective spa facial treatment is a variation on the regular facial, with the inclusion of esthetic devices. It's also known as a European facial, spa facial or machine facial. The steps within each phase of the facial include devices to enhance results.



# FACIAL TREATMENT SERVICES WITH DEVICES



## CORRECTIVE SPA FACIAL TREATMENT: Increase Phase

STEPS	DESCRIPTION	DEVICES USED
<b>Pre-Cleanse</b>	Light cleansing to remove makeup	None
<b>Analyze</b>	Assessment of skin	Magnifying Lamp Wood's Lamp
<b>Cleanse and Tone</b>	Deep cleansing; refreshes skin and balances pH; skin warming to soften skin	Rotating Brush Vacuum Spray: Atomizer Lucas Spray Pulverizer
<b>Exfoliate</b>	Removal of dead skin cells and build-up of pollution and debris; steam to activate an enzyme exfoliation	Steam Galvanic Vacuum Spray: Suction





# FACIAL TREATMENT SERVICES WITH DEVICES



## CORRECTIVE SPA FACIAL TREATMENT: Balance Phase

STEPS	DESCRIPTION	DEVICES USED
<b>Treat</b>	Extractions to remove comedones; antibacterial product; specific condition serum	Galvanic High Frequency Lucas Spray Pulverizer
<b>Massage</b>	Provides nutrients to the skin, initiate relaxation and increase microcirculation as well as serum absorption	Vacuum Suction Hot/Cold Hammer High Frequency



# FACIAL TREATMENT SERVICES WITH DEVICES

## CORRECTIVE SPA FACIAL TREATMENT: Decrease Phase



STEPS	DESCRIPTION	DEVICES USED
Mask	Specialized ingredients to enhance, calm the skin to focus on the skin's concerns	None
Protect	Add serums to address specific concerns and moisturize with sun protection (SPF)	None

## » FACIAL TREATMENT SERVICES WITH DEVICES



### ULTRASONIC SPATULA DEVICE

- Also known as “skin scrubber”
- Uses alternating current at a high frequency to produce rapid movement (oscillation)
- Used for:
  - Texture
    - Dehydration
    - Dull appearance
  - Acne
    - Congested skin

The ultrasonic spatula, also known as a skin scrubber, uses alternating current at a high frequency to produce rapid movement (oscillation). The metal spatula at the end of the device creates a mechanical effect as well as a low-level thermal effect.

A typical ultrasonic spatula can be used in the Increase and Balance phase of a facial treatment. This can be a standalone treatment or added with existing devices. The ultrasonic spatula treatment is used for:

- Texture
  - Dehydration
  - Dull appearance
- Acne
  - Congested skin



# FACIAL TREATMENT SERVICES WITH DEVICES

## ULTRASONIC SPATULA DEVICE

TREATMENTS	DESCRIPTION	BENEFICIAL EFFECTS
<b>Exfoliation</b>	Spatula moved in specific pattern with end held at a 35°-45° angle	<ul style="list-style-type: none"><li>• Loosens surface debris</li><li>• Removes dead skin cells</li><li>• Stimulates surface tissue</li><li>• Increases circulation and blood flow</li></ul>
<b>Product absorption</b>	Flat end of spatula used over products during specific pattern application	<ul style="list-style-type: none"><li>• Warms tissues</li><li>• Induces relaxation</li><li>• Assists product absorption</li></ul>

### Exfoliation

Spatula is moved in a specific pattern with end held at a 35°-45° angle  
High oscillations help loosen dead skin and assist extraction

#### Beneficial Effects

- Loosens surface debris
- Removes dead skin cells
- Stimulates surface tissue
- Increases circulation and blood flow

### Product Absorption

Flat end of spatula is used over products during specific pattern application.  
High oscillations help massage product into epidermis.

#### Beneficial Effects:

- Warms tissues
- Induces relaxation
- Assists product absorption

## » FACIAL TREATMENT SERVICES WITH DEVICES



### MICROCURRENT DEVICE

- Microcurrent devices use multiple waveforms and frequencies to stimulate cellular response
- Microcurrent treatment used for:
  - Aging
  - Texture

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Microcurrent devices use multiple waveforms and frequencies to stimulate cellular response.

These devices do not visibly contract muscles; instead, they stimulate the muscle using electrodes and specific movements.

Microcurrent treatment used for:

- Aging
  - Wrinkles including fine to deep
  - Sagging skin
  - Slack muscles
- Texture
  - Dehydration
  - Dull appearance

Microcurrent devices can also be used for firming and toning on the body as well as cellulite treatments.



# FACIAL TREATMENT SERVICES WITH DEVICES

## MICROCURRENT DEVICE

TREATMENTS	DESCRIPTION	BENEFICIAL EFFECTS
<b>Firming and toning</b>	Specialized movements used with specific waveforms and electrodes, probes or gloves to lengthen or shorten muscles	<ul style="list-style-type: none"><li>• Stimulates cellular function by increasing adenosine triphosphate (ATP)</li><li>• Stimulates myofibrils in muscle</li><li>• Assists lymphatic system remove fluid</li></ul>
<b>Product infusion or iontophoresis</b>	Direct current with probes and water-soluble products	<ul style="list-style-type: none"><li>• Increases product absorption</li><li>• Tightens and firms the tissue</li><li>• Contracts follicle walls</li></ul>

### **Firming and Toning**

Specialized movements used with specific waveforms and electrodes, probes or gloves to lengthen or shorten muscles

#### Beneficial Effects

- Stimulates cellular function by increasing adenosine triphosphate (ATP)
- Stimulates myofibrils in muscle
- Assists lymphatic system remove fluid

### **Product Infusion or Iontophoresis**

Direct current with probes and water-soluble products

#### Beneficial Effects

- Increases product absorption in skin
- Tightens and firms the tissue
- Contracts follicle walls
- Constricts blood vessels and decreases blood flow
- Soothes nerve endings and decreases sensitivity

## » FACIAL TREATMENT SERVICES WITH DEVICES



### LED DEVICE

- Uses light-emitting diodes (LEDs) of different colors and wavelengths, typically red, blue and/or infrared
- Use of light to help improve the appearance of the skin known as light therapy
- Produces light in specific color or wavelength, at specific strength (joule)
- Heat is not generated

- Uses light-emitting diodes (LEDs) of different colors and wavelengths, typically red, blue and/ or infrared
- Use of light to help improve the appearance of the skin known as light therapy
- LEDs are electrical components encased in a clear epoxy bulb
- Designed with an inorganic semiconductor material applied over the electrical junction inside the bulb
- When excited by an electrical charge, visible color light is emitted based on the type of metallurgic compound used in the semiconductor
- Produces light in a specific color or wavelength, at a specific strength (joule)
- Heat is not generated
- Skin improvement is based on principles of photobiology, i.e. light must be absorbed by the cells to create a biological reaction



# FACIAL TREATMENT SERVICES WITH DEVICES

## LED DEVICE

TYPES OF LIGHT THERAPY	SKIN CONDITION
Red and Infrared	Sensitivity <ul style="list-style-type: none"><li>• Rosacea</li><li>• Sensitive skin</li></ul> Texture <ul style="list-style-type: none"><li>• Dull appearance</li></ul>
Red and Amber	Aging <ul style="list-style-type: none"><li>• Wrinkles (fine to deep)</li><li>• Sagging skin</li></ul>
Blue	Acne <ul style="list-style-type: none"><li>• Grades 1, 2</li></ul>



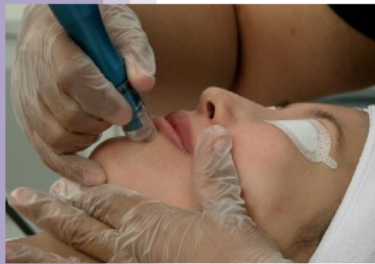


# FACIAL TREATMENT SERVICES WITH DEVICES

## LED DEVICE

TREATMENTS	DESCRIPTION	BENEFICIAL EFFECTS
<b>Mask step</b>	<ul style="list-style-type: none"><li>• LED device with panels is placed over clear mask or serum for recommended time</li><li>• Handheld LED device is moved around face for recommended time</li></ul>	<ul style="list-style-type: none"><li>• Depends on wavelengths of LED</li><li>• Improvement wrinkles and fine lines</li><li>• Reduction of acne</li><li>• Increased soothing of irritated skin</li></ul>

## » FACIAL TREATMENT SERVICES WITH DEVICES



### MICRODERMABRASION DEVICE

- Uses a fine, inert abrasive material or an abrasive tip attached to a vacuum device
- Exfoliates stratum corneum in a precisely regulated and controlled manner
- Used for:
  - Aging
  - Acne
  - Texture
  - Pigmentation

Microdermabrasion is a device that uses a fine, inert abrasive material or an abrasive tip attached to a vacuum device.

Microdermabrasion exfoliates the stratum corneum in a precisely regulated and controlled manner. Used for:

- Aging:
  - Wrinkles (fine to deep)
  - Sagging skin
- Texture:
  - Dull appearance
- Acne:
  - Acne grades 1-2
  - Congested skin
- Pigmentation
  - Hyperpigmentation

## » FACIAL TREATMENT WITH DEVICES – BENEFITS



- Increasing microcirculation
- Helping certain products absorb in the skin
- Stimulating muscles in the face
- Cleansing the surface of the skin
- Deep cleaning pores
- Stimulating lymphatic system circulation

## »» FACIAL TREATMENT WITH DEVICES – BENEFITS



### **COMMON DEVICES AND BENEFITS: Steamer**

The benefits of a steamer are:

- Dilates pores
- Increases microcirculation
- Softens impurities
- Aids exfoliation

## » FACIAL TREATMENT WITH DEVICES – BENEFITS



### COMMON DEVICES AND BENEFITS: Rotating brush

- Uses mechanical oscillation to spin the brush head in a circular movement
- The benefits of a rotating brush are:
  - Mild exfoliation
  - Deep cleanses
  - Increases microcirculation

Rotating brushes have multiple attachments that can be used for different skin types and conditions. For example, a stiff large brush head could be used on the body, or a soft small brush head could be used for sensitive areas around the nose.

## » FACIAL TREATMENT WITH DEVICES – BENEFITS

### COMMON DEVICES AND BENEFITS: Vacuum Spray

TREATMENTS	DESCRIPTION	BENEFICIAL EFFECTS
<b>Spray Atomizer</b>	<ul style="list-style-type: none"><li>• Sprays the surface of the skin with a gentle mist of a water-based solution</li></ul>	<ul style="list-style-type: none"><li>• Calm</li><li>• Hydrate</li><li>• pH Balance</li></ul>
<b>Vacuum Suction</b>	<ul style="list-style-type: none"><li>• Draws out dirt, impurities and sebum from surface of skin</li><li>• Uses attachments (called ventouse) to perform stimulating massage such as mechanical lymph drainage massage</li></ul>	<ul style="list-style-type: none"><li>• Circulates blood and lymph</li><li>• Reduces swelling</li><li>• Gently exfoliates</li></ul>

# » FACIAL TREATMENT WITH DEVICES – BENEFITS

## Types of Effect and Their Effects in the Skin

TYPES OF EFFECT	EFFECTS IN THE SKIN
<b>Thermal</b>	<ul style="list-style-type: none"><li>• Warms the tissue</li><li>• Stimulates fibroblasts for repair</li><li>• Stimulates collagen</li></ul>
<b>Mechanical or Magnetic</b>	<ul style="list-style-type: none"><li>• Increases microcirculation</li><li>• Increases hydration</li><li>• Increases desquamation</li></ul>
<b>Electrochemical</b>	<ul style="list-style-type: none"><li>• Increases permeability with water-based products</li><li>• Tissue tightening</li><li>• Increases fluid movement</li></ul>

### Thermal

- Warms the tissue
- Stimulates fibroblasts for repair
- Stimulates collagen
- Germicidal and stimulating effect

### Mechanical or Magnetic

- Increases microcirculation
- Increases hydration
- Increases desquamation
- Bacteria reduction

### Electrochemical

- Increases permeability with water-based products
- Tissue tightening
- Increases fluid movement
- Reduces erythema
- Increases microcirculation

## » FACIAL TREATMENT WITH DEVICES – BENEFITS



### COMMON DEVICES AND BENEFITS: High Frequency

- High frequency (Tesla) device uses an alternating current with high voltage and low amperage
- Uses multiple electrodes for different applications
- “Spark gap” occurs when oxygen in air around the electrode is electrified and creates a low amount of ozone gas

High frequency (Tesla) device uses an alternating current with high voltage and low amperage at a frequency of 100,000-250,000 Hz.



# **FACIAL TREATMENT WITH DEVICES – BENEFITS**

## **COMMON DEVICES AND BENEFITS: High Frequency**

TREATMENTS	DESCRIPTION	BENEFICIAL EFFECTS
<b>Direct High Frequency</b>	Direct application of electrode on skin	<ul style="list-style-type: none"> <li>• Stimulates surface tissue</li> <li>• Creates heat on the surface of the skin</li> </ul>
<b>Indirect High Frequency</b>	<ul style="list-style-type: none"> <li>• Also known as Viennese Massage</li> <li>• Massage performed while client holds saturator electrode</li> </ul>	<ul style="list-style-type: none"> <li>• Warms tissues</li> <li>• Stimulates sebum production and secretion</li> </ul>
<b>Sparking (Fulguration)</b>	Direct application over blemishes with a small contact electrode using an up and down movement to create a “spark gap”	<ul style="list-style-type: none"> <li>• Uses the formation of ozone to produce a mild germicidal effect on skin</li> <li>• Creates heat on surface of skin</li> </ul>

### **Direct High Frequency**

- Direct application of electrode on skin
- Mild ozone is created when electrode has a spark gap between the skin and electrode

#### **Beneficial Effects**

- Stimulates surface tissue
- Creates heat on the surface of the skin
- Increases circulation and blood flow
- Helps heal existing papules and pustules
- Delivers a germicidal effect and kills bacteria on the skin
- Reduces inflammation after hair removal

### **Indirect High Frequency**

- Also known as Viennese Massage
- Massage performed while client holds saturator electrode

#### **Beneficial Effects**

- Warms tissues
- Stimulates sebum production and secretion
- Induces relaxation
- Increases product penetration

- Assists in massage for mature skin
- Stimulates microcirculation
- Stimulates lymph circulation

### **Sparking**

- Direct application over blemishes with a small contact electrode using an up and down movement to create a “spark gap”

### **Beneficial Effects**

- Uses the formation of ozone to produce a mild germicidal effect on the skin
- Creates heat on surface of the skin
- Good to use after extraction
- Calms skin
- Reduces redness
- Reduces inflammation
- Effective with acne and occasional breakouts

## » FACIAL TREATMENT WITH DEVICES – BENEFITS



### COMMON DEVICES AND BENEFITS: Galvanic Device

- Electrochemical effects produced happen when current passes through skin and an acidic or alkaline solution
- Galvanic devices rely on dissolved ions to pass the current through circuit
- 3 electrochemical effects of direct current:
  - Iontophoresis
  - Desincrustation
  - Electrolysis

# » FACIAL TREATMENT WITH DEVICES – BENEFITS

## COMMON DEVICES AND BENEFITS: Galvanic Device

APPLICATIONS	TREATMENT
<b>Deep Cleansing or Desincrustation</b>	Treatment in which blockages in the skin, such as clogged pores or blackheads, are broken down due to saponification (a soap-making process)
<b>Product Infusion or Iontophoresis</b>	Treatment in which water-soluble compounds are pushed into the epidermis

# » FACIAL TREATMENT WITH DEVICES – BENEFITS

## COMMON DEVICES AND BENEFITS: Galvanic Device

DESCRIPTION	BENEFICIAL EFFECTS
<b>Anaphoresis</b> – Type of transmission that allows an alkaline solution to enter the skin when the negative pole of an electrode is used on the skin	<ul style="list-style-type: none"><li>• Stimulates microcirculation</li><li>• Softens tissues creating some desquamation</li><li>• Dilates pores</li><li>• Stimulates nerve endings</li><li>• Reduces edema</li></ul>
<b>Cataphoresis</b> – Type of transmission that allows an acidic solution to enter the skin when the positive pole of an electrode is used in the skin	<ul style="list-style-type: none"><li>• Increases product absorption in skin</li><li>• Tightens and firms the tissue</li><li>• Constricts blood vessels and pores</li><li>• Soothes nerve endings and decreases sensitivity</li><li>• Relieves post-extraction irritation</li></ul>

## » FACIAL TREATMENT WITH DEVICES – BENEFITS



### **LUCAS SPRAY PULVERIZER (LUCAS CHAMPIONNIERE)**

- Atomizes distilled water and herbs or essentials oils to spray on the skin.
- Device uses a chamber of heated water to create steam, which is then pushed through small opening of nozzle
- Steam is forced through nozzle, it picks up herbs or essential oils within container

## » FACIAL TREATMENT WITH DEVICES – BENEFITS

### LUCAS SPRAY PULVERIZER (LUCAS CHAMPIONNIERE)

DEVICE	BENEFICIAL EFFECTS
Lucas Spray Pulverizer	<ul style="list-style-type: none"><li>• <b>Hydrating</b> – Herbs and essential oils used for hydration will maximize this benefit</li><li>• <b>Calming</b> – Calming herbs such as chamomile are effective for reducing redness and irritation in the skin</li><li>• <b>Astringent</b> – Acidic herbs such as witch hazel are used for this action</li></ul>

## » FACIAL TREATMENT WITH DEVICES – BENEFITS



### HOT AND COLD HAMMER

- A relatively new device that is often being included in multifunction equipment
- Uses electricity to heat or cool skin, depending on desired results



# » FACIAL TREATMENT WITH DEVICES – BENEFITS

## HOT AND COLD HAMMER

TEMPERATURE SETTINGS	BENEFICIAL EFFECTS
Cold Setting	<ul style="list-style-type: none"><li>• Constricts pores</li><li>• Reduces inflammation and microcirculation</li><li>• Calms irritation</li><li>• Reduces edema</li></ul>
Hot Setting	<ul style="list-style-type: none"><li>• Dilates pores</li><li>• Increases microcirculation</li><li>• Soothes nerves</li><li>• Relaxes muscles</li></ul>



## CHECK WHAT YOU KNOW

1. True/False Ultrasonic device, microcurrent device, LED device and rotating brush are all standalone devices.
2. True/False A corrective facial is a variation on regular facial, with inclusion of esthetic devices.
3. Which step are the magnifying lamp and Wood's lamp used?  
\_\_\_\_\_
4. Microcurrent devices use multiple waveforms and frequencies to stimulate cellular \_\_\_\_\_.
5. Which device uses light-emitting diodes (LEDs) of different colors and wavelengths, typically red, blue and/or infrared? \_\_\_\_\_

Check What You Know questions help affirm understanding of key points.



## CHECK WHAT YOU KNOW

6. The types of light therapy include red and infrared, red and amber, and \_\_\_\_\_.
7. The benefits of the steamer include dilates pores, increases microcirculation, softens impurities and aids \_\_\_\_\_.
8. The rotating brush uses mechanical oscillation to spin the brush head in a(n) \_\_\_\_\_.
9. When oxygen in the air around an electrode is electrified and creates a low amount of ozone gas, this is called a(n) \_\_\_\_\_.
10. Indirect high frequency is also called Viennese \_\_\_\_\_.

Check What You Know questions help affirm understanding of key points.



## CHECK WHAT YOU KNOW

1. True/**False** Ultrasonic device, microcurrent device, LED device and rotating brush are all standalone devices. **Page 4**
2. **True/False** A corrective facial is a variation on regular facial, with inclusion of esthetic devices. **Page 5**
3. Which step are the magnifying lamp and Wood's lamp used? **Analyze Page 5**
4. Microcurrent devices use multiple waveforms and frequencies to stimulate cellular **response**. **Page 7**
5. Which device uses light-emitting diodes of different colors and wavelengths, typically red, blue and/or infrared? **LED device Page 8**

Check What You Know questions help affirm understanding of key points.



## CHECK WHAT YOU KNOW

6. The types of light therapy include red and infrared, red and amber, and **blue**. **Page 8**
7. The benefits of the steamer include dilates pores, increases microcirculation, softens impurities and aids **exfoliation**. **Page 10**
8. The rotating brush uses mechanical oscillation to spin the brush head in a **circular movement**. **Page 10**
9. When oxygen in the air around an electrode is electrified and creates a low amount of ozone gas, this is called a **spark gap**. **Page 12**
10. Indirect high frequency is also called Viennese **massage**. **Page 12**

Check What You Know questions help affirm understanding of key points.



## 108<sup>E</sup>.1 FACIAL TREATMENT WITH DEVICES – THEORY REVIEW

### **FACIAL TREATMENT SERVICES WITH DEVICES**

Devices that can be used as standalone treatments include:

- Ultrasonic Device
- Microcurrent Device
- LED Device
- Microdermabrasion Device

Validate learning by celebrating what has been learned.



## 108<sup>E</sup>.1 FACIAL TREATMENT WITH DEVICES – THEORY REVIEW

### **FACIAL TREATMENT SERVICES WITH DEVICES (CONT'D)**

Devices that can be added to facial treatments to enhance results include:

- Steamer
- Rotating Brush
- Vacuum Spray
- High Frequency
- Galvanic
- Lucas Spray Pulverizer
- Hot/Cold Hammer

Validate learning by celebrating what has been learned.



## 108<sup>E</sup>.1 FACIAL TREATMENT WITH DEVICES – THEORY REVIEW

### **FACIAL TREATMENT WITH DEVICES – BENEFITS**

Some beneficial effects on skin health when including devices during a facial treatment include:

- Opening and closing pores
- Increasing microcirculation
- Softening impurities
- Aiding in product penetration
- Thorough cleansing
- Deep exfoliation
- Increasing microcirculation

Validate learning by celebrating what has been learned.



# » PIVOT POINT FUNDAMENTALS: ESTHETICS

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