TESLA HIGH FREQUENCY ELECTROTherapy Overview

MARCu WADE
COSMETOLOGY DEPARTMENT
FULLERTON COLLEGE
Machine that utilizes an alternating (or sinusoidal) current.

- A smooth, repetitive alternating radio current connected to the inert gas (either Argon or Neon) inside the glass electrode and when ignited, light energy is given off.
- The oxygen present in the air is electrified and it forms ozone gas close to the skin surface, stimulating surface tissue & generating heat.
- Contraindications for this machine are: Pregnancy, Pacemaker, Large metallic implants, or Auto immune disorders.
PURPOSE, BENEFITS, AND USE OF HIGH FREQUENCY CURRENT

DIRECT METHOD

- Controls oily skin & scalp
- Controls dandruff
- Improves acne – creates germicidal effect (emission of ozone and nitrous oxide)
- Stimulate sebaceous, sudoriferous and lymph glands
- Soothing effect

INDIRECT METHOD

- Stimulates product penetration for dry skin
- Thermal effects
- Increased glandular activity
DIRECT METHOD

*Oily scalp &/or dandruff:*

- Direct method using the rake glass electrode directly on the scalp.
- Scientific brushing is performed before applying Tesla high frequency current.
- Massage is performed during shampoo service, after Tesla high frequency current.
INDIRECT METHOD

Dry scalp:

- Indirect method (auto-condensation - general electrification).
- Client holds straight or spiral/wire glass electrode while therapist massages the scalp using massage cream.
- Scientific brushing is performed before applying Tesla high frequency current.
DIRECT METHOD

Oily skin:

- Direct method is used to minimize oil and create germicidal effect on skin.
- Drape gauze over client’s skin and apply electrode.

https://www.youtube.com/watch?v=xilXrGo2lfk
INDIRECT METHOD

Dry skin:

- Indirect method is used to increase penetration of massage cream.
- Client holds glass electrode while therapist massages client’s face using massage cream.

https://www.youtube.com/watch?v=3ub2-DcuA-Y
CAUTION! NEVER USE TESLA:

- Over flammable substances or products containing isopropyl alcohol, ethyl alcohol (*hand sanitizer*), or astringents (*Seabreeze*).
- Over 5 minutes.
- If client has any contraindications for electrotherapy treatments.
- Technician or client must never touch any metal while current is applied on the client.
- Never use essential oils before or during the High Frequency treatment - it can be applied after treatment.
• Sparking is a technique that produces a stimulating effect (and can reduce the size of a blemish) by lifting electrode slightly to create a “spark”.
• The strength of the current is determined by the length of the spark and is usually done at a distance no greater than ¼ inch.
• This technique is currently illegal in California.
ALWAYS:

- Start current slowly and turn up to client tolerance.
- Maintain contact with the skin/scalp while electrode is in the ON position.
- Remove electrode by touching glass first then remove it from client’s skin/scalp.
- Use Massage cream or oil (non-water soluble) products while using the Tesla current on the skin.
- Remove visible debris on glass electrode by wiping with a solution of soap and water (no alcohol) & wipe dry.
- Using a BARBICIDE wipe, wipe only the glass end (not the metal) & let sit on a paper towel & cover for 10 minutes.
- Wipe off electrode with damp paper towel to remove any remaining chemicals, without getting the metal end wet, & wipe dry.
- Store properly.