



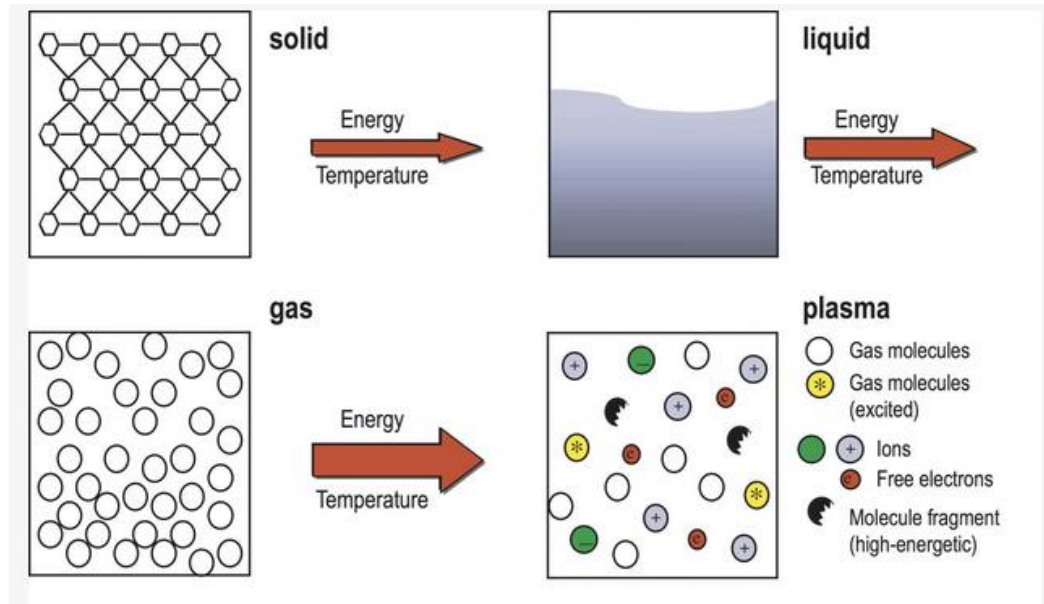
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What is Plasma?

- Plasma from Ancient Greek meaning „moldable substance“
- Described by Irving Langmuir in the 1928
- Fourth state of matter





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Plasma in Aesthetics

Plasma ability:

- Smoothing of both fine and deep wrinkles
- Skin rejuvenation
- Smoothing of scars
- Whitening of skin (age spots, pigmentation)
- Acne after the acute phase

Plasma device is good for:

- Incorporating active ingredients (e.g. Hyaluronic acid) into deeper layers of the skin
 - Normalization of connective tissues
 - Improvement of skin elasticity
 - Restoration of microcirculation in the skin
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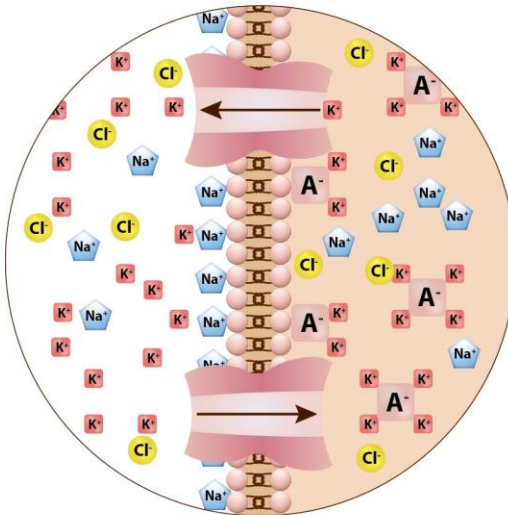
How Does It Work?

- The membrane of skin cell contains channels, which serves to supply the nutrition and water. Aging leads to closing these channels and mixing ions of sodium and potassium.
 - Plasma discharge helps to open nutrition channels thus water with nutrition is able to get through the membrane into the cell. Plasma discharge also helps to separate ions of potassium inside the cell and sodium outside the cell, which restores original electrical potential of the cell. Filled with water and restored electrical potential the membrane of the skin cell is getting straightened.
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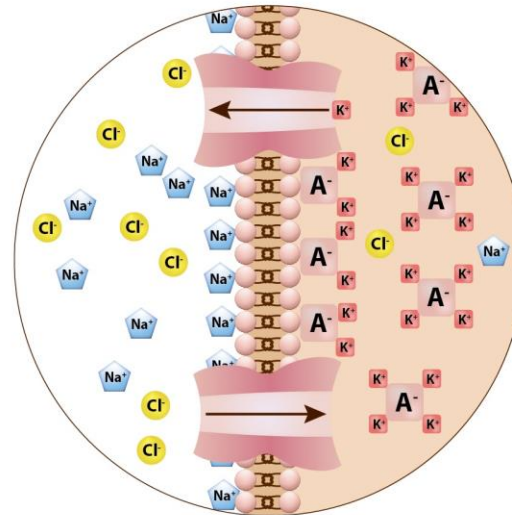


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Before



After

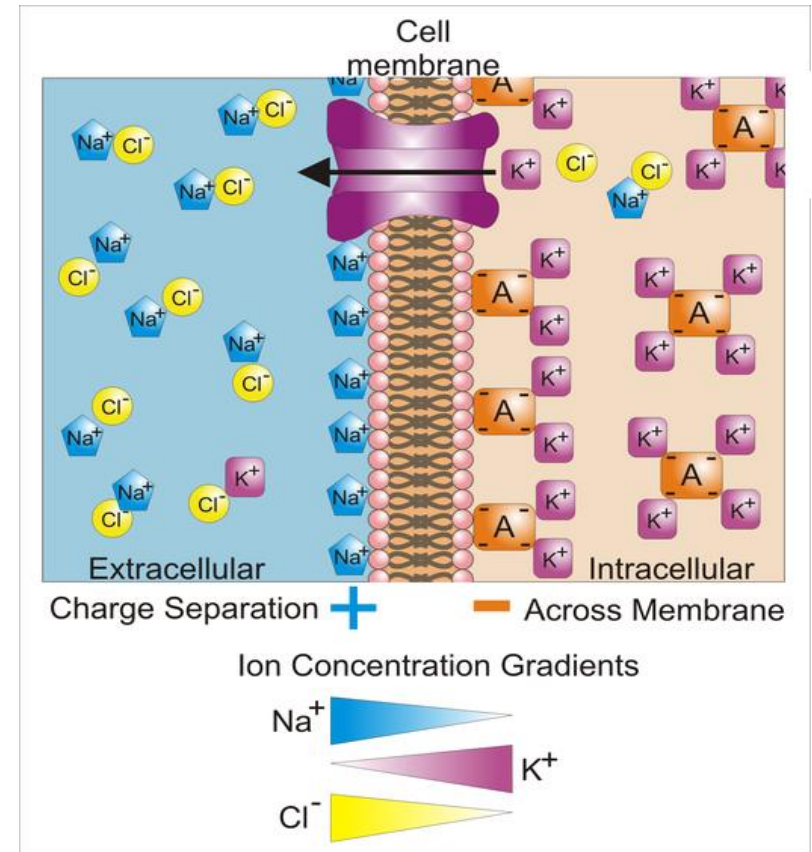




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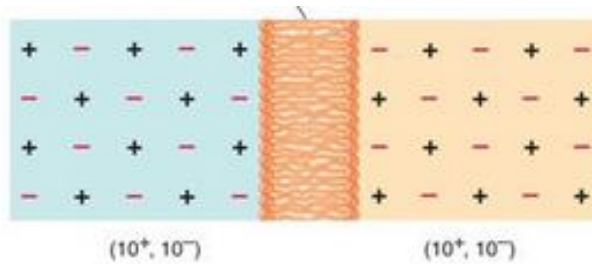
Plasma Effect on Cell

- Plasma discharge causes a polarity reversal
- The voltage of the cell membrane increases [?] membrane is stretched
- The cells restore their original shape
- When this process occurs in the majority of skin cells in certain area, the result is then visible to the naked eye

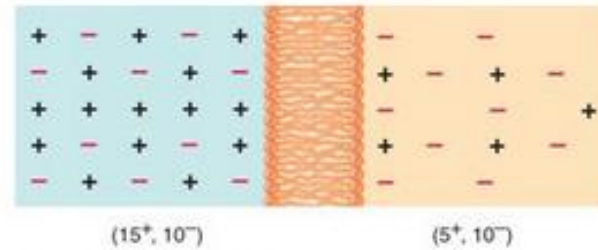




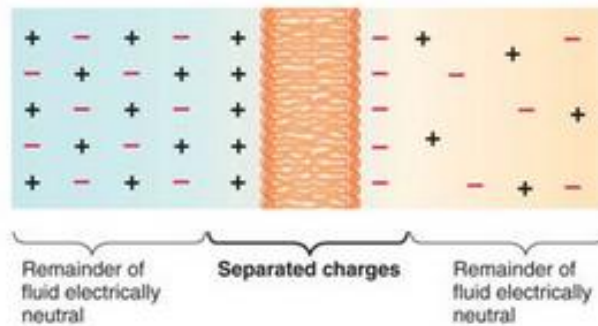
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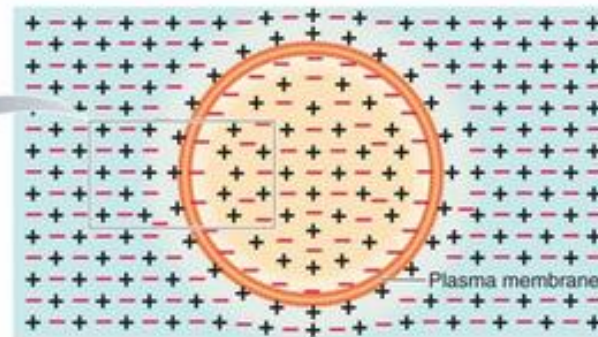
(a) Membrane has no potential



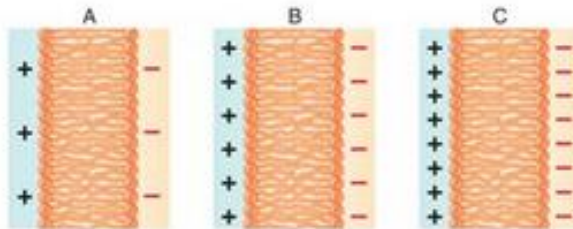
(b) Membrane has potential



(c) Separated charges responsible for potential



(d) Separated charges forming a layer along plasma membrane



(e) Magnitude of potential: membrane B has more potential than membrane A and less potential than membrane C



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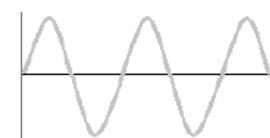
Plasma Devices

Two types of devices:

- 1.) device with alternating current
- 2.) device with **direct current**

AC (Alternating current)

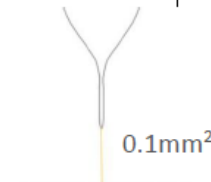
DC (Direct current)
PATENTED TECHNOLOGY!!!



← Technology →



← Size of discharge →

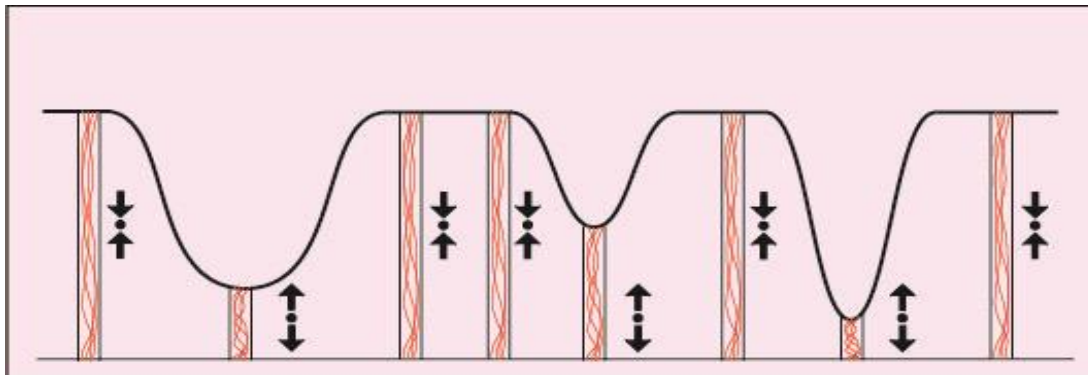




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IPL, RF Technology

- IPL and RF technology is based on generating heat which is supplied into the skin.
- Thanks to this energy solidificated collagen fibres are shrinked and wrinkles get smoother.
- Results are time limited and the treatment must be repeated continually. After 2 or 3 year of repeating the collagen fibres loose their elasticity and IPL and RF technology ceases to be effective.

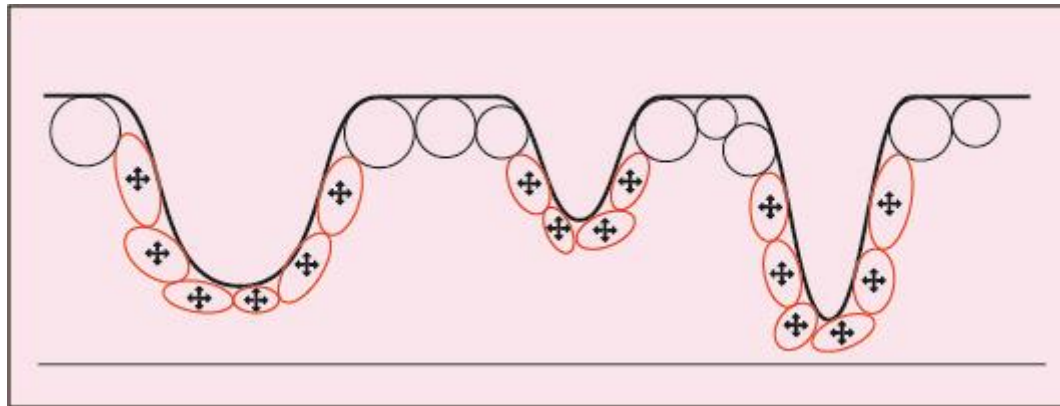




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Plasma Technology

- Instead of collagen fibers plasma technology affects directly the skin cells. Thanks to the added energy Na-K channels are open and water and nutrients get into the cells. Skin cells are „inflated“ and fill the wrinkles.
- Whereas collagen fibers are stable for years, skin cells are naturally generated each 2 weeks. It means that between two sessions renewed cells are got at their place and plasma discharge affects another cells then the session before.





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Before/After Photos



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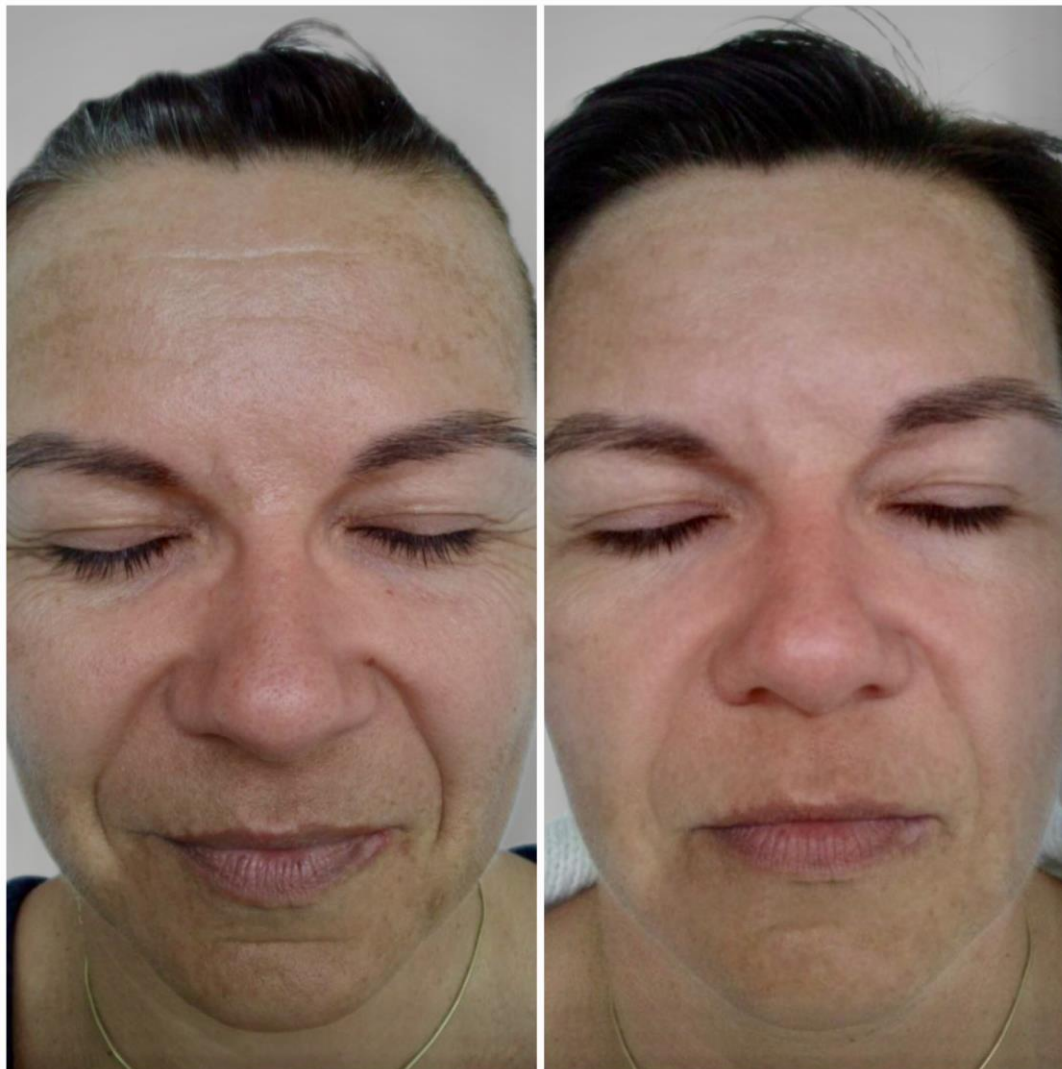


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Protocol of Treatment

Frequency:

- 4 – 6 sessions, 1-2 per week

Intensities:

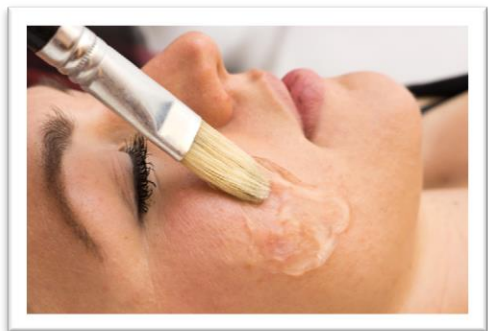
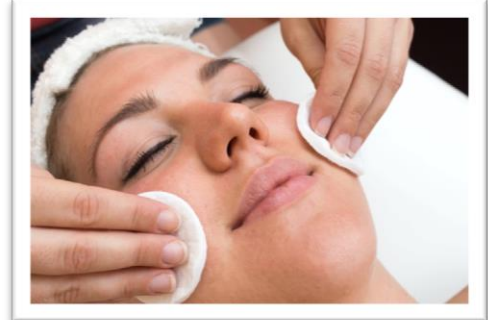
- approximate
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Protocol of Treatment

- Clean and dry the skin
- Apply an exfoliating cream: to open the pore and remove impurities
- Apply serum
- Apply ultrasound gel

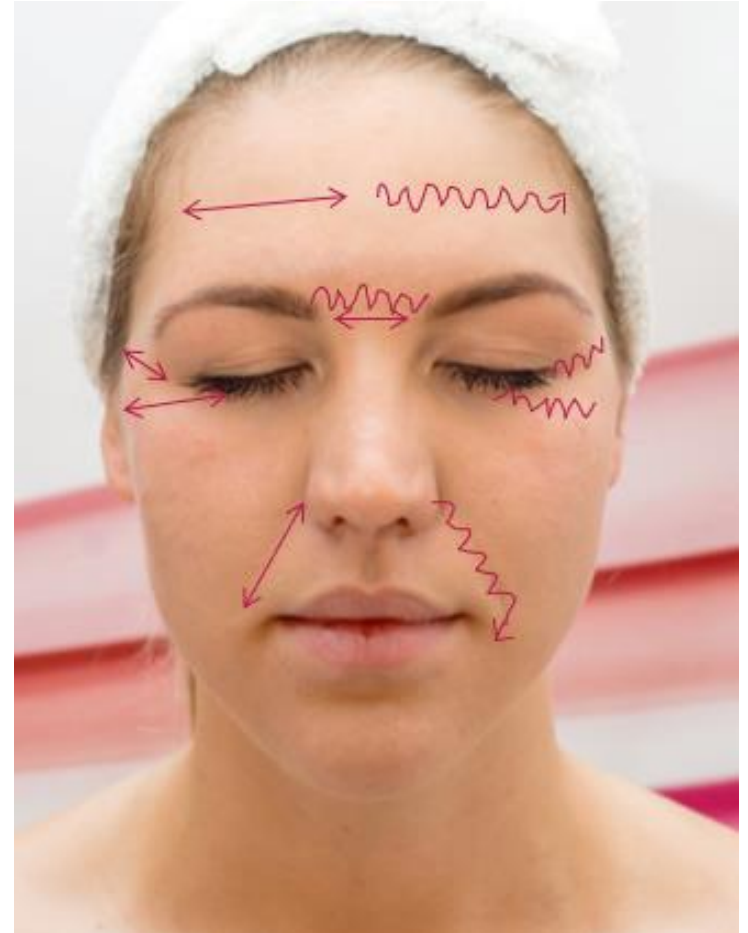




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Protocol of Treatment

- Move back and forth with the plasma discharge above the wrinkle
- A zig-zag move above the wrinkle
- 1-2 minutes





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Body Treatments





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Cosmeticanja



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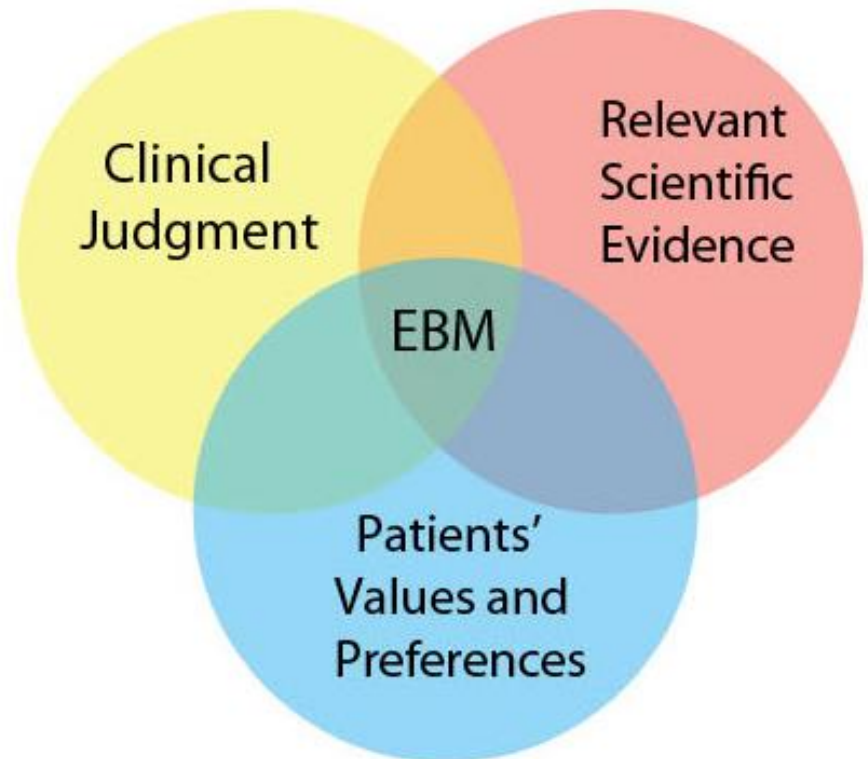




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Evidence Based Medicine (EBM)

- Plasma discharge applications can be considered as a non-invasive technique that can eliminate wrinkles, rejuvenate skin, fight couperosis
- This method is based on an interesting and logic scientific basis





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Summary

- Skin treatment is natural
 - Safe
 - No side effects

 - **non-invasive technique**
 - Plasmic flows
 - Non-invasive treatment
 - Comfortable and relaxing
 - Effective cosmetic impact: lifting, rejuvenation, hydration
 - Therapeutic effects: acne, hyperpigmentation, couperose
-



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