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Use of JETT Plasma Lift Medical in DERMATOLOGY

JETT Plasma Lift Medical

- JETT Plasma Lift Medical is a smart portable DC (direct current) electric plasma.

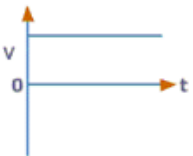
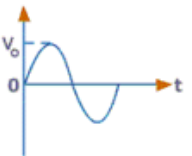
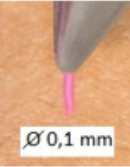
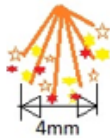


Plasma

- Electric plasma is a ionized gas in the air (containing free electrons), created by voltage about **5000 V**, which is between the tip of the device and skin of a patient and maintaining distance of **1-2mm**.

DC fulguration

- The main effects are achieved with “a plasma discharge” generated by DC voltage.
- This kind of discharge generates a heat, warms the skin and right indications are treated.
- Generated sparks in AC fulguration (all competitors on the market) operate on a relatively big area about 3-5 mm².
- Jett Plasma Lift Medical uses DC fulguration with the spark flow area of **0,1 mm²**.

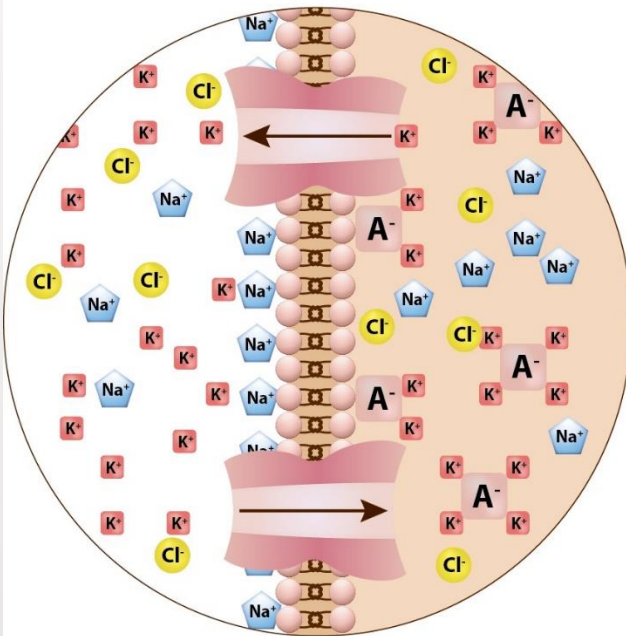
Jett Plasma Lift Medical	Alternating current devices
 <p>DC Source</p>	 <p>AC Source</p>
High voltage 5500 V	Lower voltage (ca 2000 V)
Spark beam (spot \varnothing 0,1 mm) 	Spark shower (spot \varnothing 4 mm) 
Intelligent system with bargraph for intensity	Without any computer or intelligent system
Safe controls and sensors	Without sensors
Spark starts 4 mm above the skin – you can easily see treated area	Spark starts only 1 mm above the skin
Very soft scanning of sensitive areas around eyes and mouth	Scanning method is not possible
Many applicators for various use	Only one applicator

Plasma

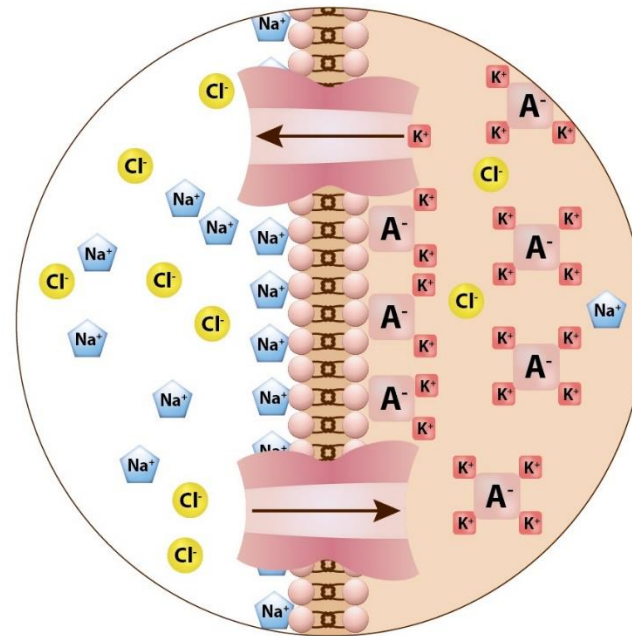
- Discharge (2mm above the skin – only with gold tip):
 - heating, burning, anaesthesia needed
 - effect of plasma flows on tissues is a very effective peeling, tissue **recovery**, its **tightening**, improvement of flexibility and it also **stimulates immunity** and resistance of the tissues.
- Galvanization (moves on the skin – silver tips):
 - only tingling, no burning, without anaesthesia
 - every cell has a membrane potential on its membrane. Inner side of the membrane has a negative charge, the outer side has a positive charge. As the skin **is ageing**, the electric charge is distributed **alternatively** along the membrane, and the electric voltage of the membrane is **changed**.

Plasma

Before



After



Jett Plasma Lift Medical

- The **highest intensities** (6, 7 and 8) are able to destroy skin cells. The tip of the device can reach temperatures up to 80°C.
- A relatively low electric power, **at maximum 1.8 W** is applied and as it affects only a small area, it is able to cause the evaporation of cell liquids.
- High temperature causes coagulation of tissue and blood proteins, which is used for **stopping a small bleeding** – to closure of small veins (with a diameter of 2-3 mm.)
- The discharge is applied with a smaller power (1.8 W), compared to common electrocauters.

Indications

- angioma senilis
- verrucae seborrhoicae
- verrucae plane
- angiokeratoma
- teleangiectasis
- lentigo
- fibroma molle
- keratoacanthoma

Indications

- condyloma accuminata
- moluscum contagiosum
- verrucae vulgares
- verrucae filliformes
- naevus capillaris
- naevus arraneus
- keratosis actinica
- keratosis senilis
- keratosis seborrhoica

Types of treatment

- Superficial and deep wrinkles
- Small warts – removal
- Fibromas and hemangiomas
- Couperosis (dilated vessels) – for closing vessels
- Pigment spots
- Scars and small stretch marks, spider veins
- Bleeding/ capillary bleeding/ after a minor surgery/ stops bleeding

Contraindications

- Pacemaker, Holter blood pressure monitoring system or ECG
- Other implanted electrical device
- Epilepsy
- Pregnancy
- Metal implants in the treatment area
- Skin problems, inflammation diseases - erysipelas
- Oncological disease
- Other non-controlled or hardly-controlled disease

Case interpretation

- 50 years old patient
- after surgical blepharoplasty 6-7 years ago
- main problem: superficial and deep wrinkles around the eyes



Protocol of treatment (EUROPE)

- Before



- disinfection
- local anaesthesia without vasoconstriction part like epinephrin etc.
- treating upper and lower eye lid – scanning 5-7 min. to visible flush or erythema

Protocol of treatment

- erythema means warming dermis and starts tissue **recovery**, its **tightening**, improvement of flexibility and it also **stimulates immunity** and resistance of the tissues
- apply dot by dot only on upper eye lid – deeper damage of the skin



creation of new collagen
retraction of skin


Protocol of treatment

- apply JETT Serum Liftvital with **hyaluronic acid** and **vitamin C** for faster healing, deep hydration and neocollagenesis boost.
- The combination of **vitamin C** and **lactic acid** in the correct composition prevents the formation of unwanted pigmentation after the treatment.

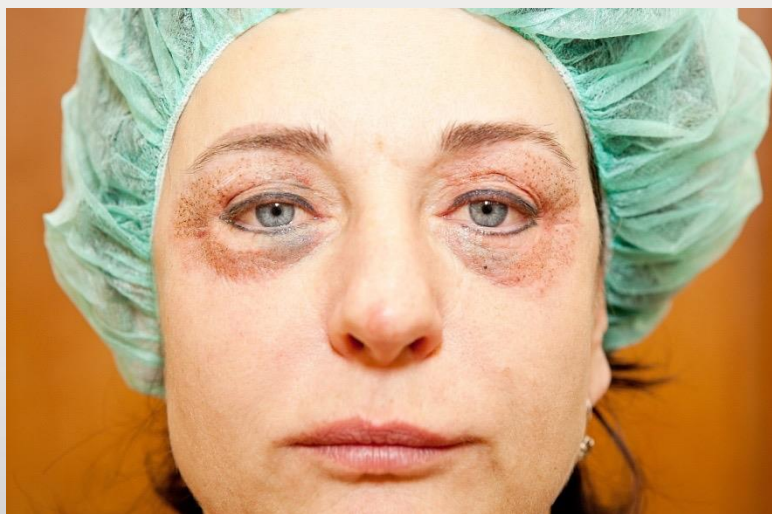
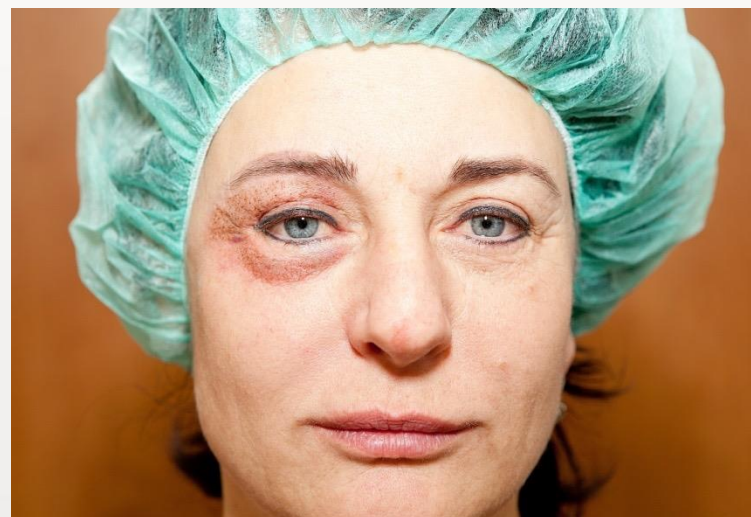
After treatment

- 2nd - 3rd day after: **erythema, oedema, scab**
(crusts)
- 4th day after: small erythema, without oedema and **separating or peeling scabs**
- 5th - 8th day: area around the eyes **without** the scabs
- without any **different colours** of treated area
- patient can apply make-up
- seeing **rejuvenation** skin, **reduced** wrinkles, skin **tightening**

Recommendation

- apply suncream SPF 50+
 - use sunglasses
- about 2 months
- 
- the top results after 2-3 months
 - for benefit can use cosmetic treatment with Jett Plasma Lift

After the treatment



Pictures 4 days after



Pictures 3 months after



Before/After



Conclusion

- excellent results
- absolutely safe (ophthalmologist examination after treatment, eyes without any problems, any damage)
- possibility treatment of delicate area of the eyes
- patient's satisfaction

Thank you for your attention

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