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**MANUFACTURING DISCLOSURE:** Apyx Medical manufactures and owns the Renuvion/J-Plasma technology discussed in this article.

**INDICATIONS FOR USE & INTENDED USE DISCLOSURES:**

- The Renuvion® Dermal System is an electrosurgical device for dermatological procedures for the treatment of moderate to severe wrinkles and rhytides, limited to patients with Fitzpatrick skin types I, II or III. The treatment is achieved through controlled heating of the outer layers of the skin so that part or all of the epidermis becomes non-viable and there is controlled thermal modification to the underlying dermis.
- Apyx Medical wants to present you with current scientific discourse. Specific usage outside of the cleared indications may not be safe or effective.

**RISKS:**

- Risks associated with the use of the Renuvion Dermal System include but are not limited to hypertrophic scarring, milia/acne, telangiectasia (spider veins), skin discoloration/hypopigmentation, dormant infection reactivation, infection, bruising or bleeding. Warning: Application of more than one treatment pass in the perioral area, on the forehead, and along the jawline has been associated with hypertrophic scarring.

As with any procedure, individual results may vary. As with all energy devices there are inherent risks associated with its use, refer to the IFU for further information.

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## Renuvion/J-Plasma for Subdermal Skin Tightening Facial Contouring and Skin Rejuvenation of the Face and Neck.

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### Abstract

The Renuvion/J-Plasma helium based plasma device from Apyx Medical has technological features that result in a unique and effective method of action for the contraction of subdermal soft tissue. The device achieves soft tissue contraction by instantly heating tissue to temperatures greater than 85°C for between 0.040 and 0.080 seconds. The tissue surrounding the treatment site remains at much cooler temperatures resulting in rapid cooling of the tissue through conductive heat transfer. Compared to bulk tissue heating devices, this method of action results in effective soft tissue contraction with a lower risk of injury to surrounding tissue.

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**KEYWORDS:** Coagulation; Collagen contraction; Helium; J-plasma; Plasma; Renuvion; Skin tightening; Subdermal

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