

CASE REPORT

Efficacy of 4MHz Radiofrequency Surgery in the Removal of Multiple Cutaneous Papillomas of the Neck

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Treating Physician: Prof. Ivana Binić, MD, Dermatologist

Equipment Used: RWSU Expert (4MHz Radiofrequency Electrosurgical Unit) by PROXIMA Ltd.

1. Introduction and Patient Profile

- **Patient:** Female
- **Indication:** Multiple benign cutaneous papillomas (skin tags) located on the neck.
- **Objective:** To achieve complete removal of the lesions with optimal cosmetic results, minimal patient discomfort, and rapid tissue healing.

2. Equipment and Technology

The procedure was performed utilizing the **RWSU Expert**, a flagship radiofrequency electrosurgical unit operating at **4MHz**.

- **4MHz Frequency Advantage:** Operating at 4,000,000 cycles per second allows for precise cellular vaporization with minimal lateral thermal spread, which is crucial for cosmetically sensitive areas like the neck.
- **Interface & Usability:** The unit features a color LCD touch panel with advanced functional presets, allowing the physician to rapidly select and adjust optimal output settings (cut, blend, or coagulation) without interrupting the clinical workflow.

3. Procedure

- **Preparation:** The treatment area on the neck was prepped and cleansed (local anesthesia, a topical cream, was applied).
- **Technique:** Using the RWSU Expert, the papillomas were removed via a precise RF shave excision/vaporization technique. The advanced microprocessor control ensured consistent power delivery, preventing tissue dragging or charring.
- **Duration:** The excision of the lesions was completed in under 20 minutes, highlighting the efficiency of the device.

4. Clinical Results and Photographic Evidence



*Pre-operative view of the patient's neck,
presenting with multiple small cutaneous papillomas.*



Post-operative view – immediately after



Post-operative view - at 2-week follow-up.

Note the clean surgical margins, absence of charring, and excellent cosmetic healing facilitated by the 4MHz RF technology.

Outcomes:

- Complete removal of all targeted lesions.
- Excellent hemostasis achieved simultaneously during removal.
- No scarring, hyperpigmentation, or thermal damage to the surrounding healthy tissue.
- High patient satisfaction with the aesthetic outcome and minimal downtime.

5. Conclusion

The utilization of the PROXIMA RWSU Expert at 4MHz proved highly effective for the dermatological removal of multiple cutaneous papillomas on the neck. The combination of high-frequency precision and an intuitive, advanced LCD touch interface empowered the physician to deliver superior cosmetic results safely and efficiently.



Device used – RWSU Expert