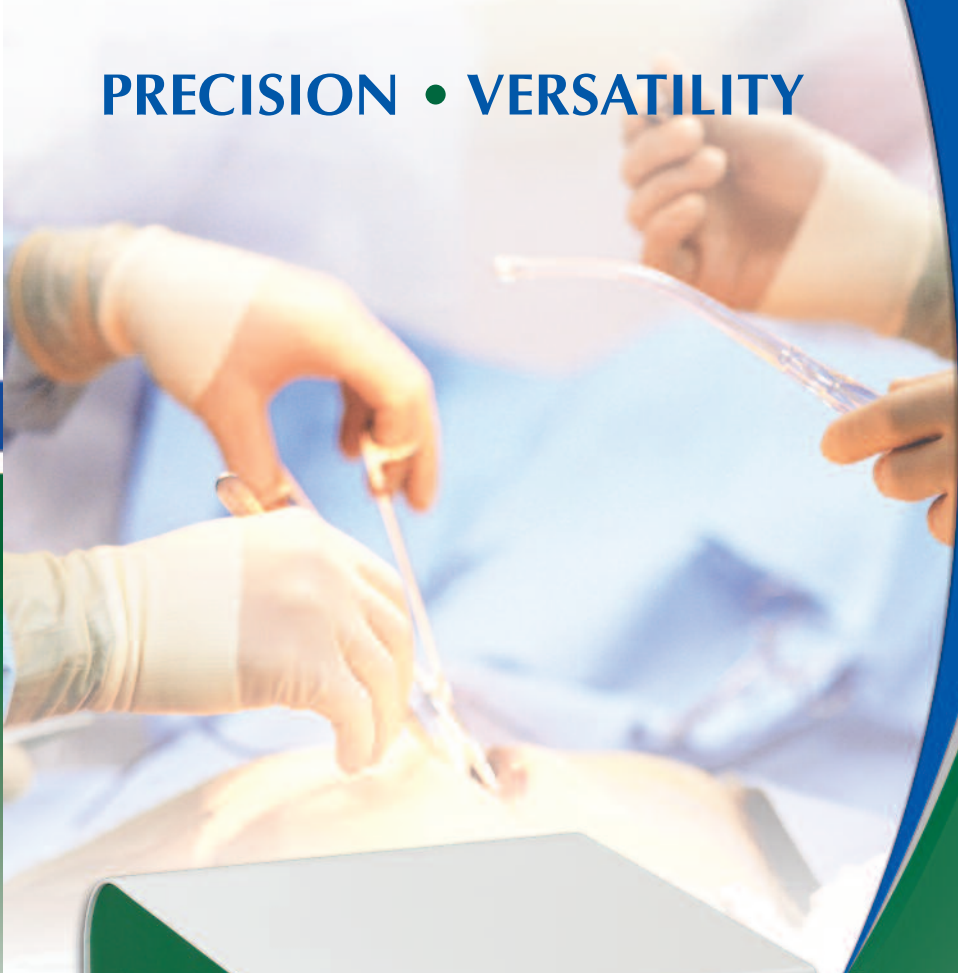


SURGITRON[®] DUAL RF[™] S5

Advanced 4.0 MHz Radiowave Technology

PRECISION • VERSATILITY



Surgitron® Dual RF™ S5 4.0 MHz Radiowave Technology

With **50 years of experience**, over 70 patents and more than 200 journal articles, Ellman is your trusted worldwide partner for surgical products and services.

Powered by advanced radiowave technology, the patented Surgitron® Dual RF™ S5 energy source provides unparalleled surgical **PRECISION** in soft tissue cutting and coagulation. The high frequency of 4.0 MHz minimizes thermal tissue damage along the incision path¹.

The S5 offers complete **VERSATILITY**, with more options for use in surgical and aesthetic procedures than other energy-based platforms² and includes the Pellevé™ Wrinkle Reduction System, a revolutionary tool for the non-ablative treatment of mild to moderate facial wrinkles.

To discover how the S5 can help power your practice, call us at 1.800.835.5355 or visit www.ellman.com • www.pelleve.com

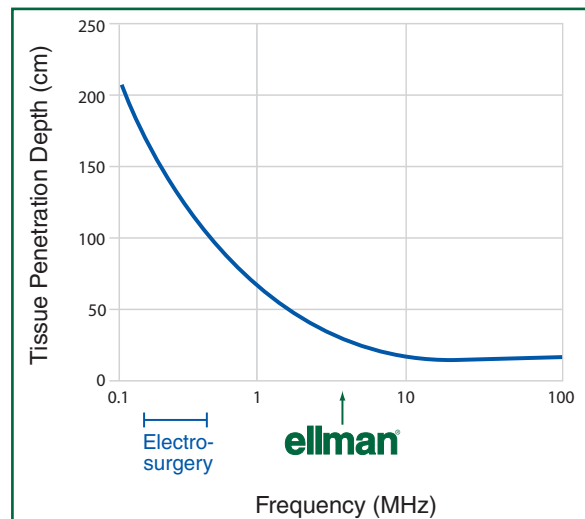
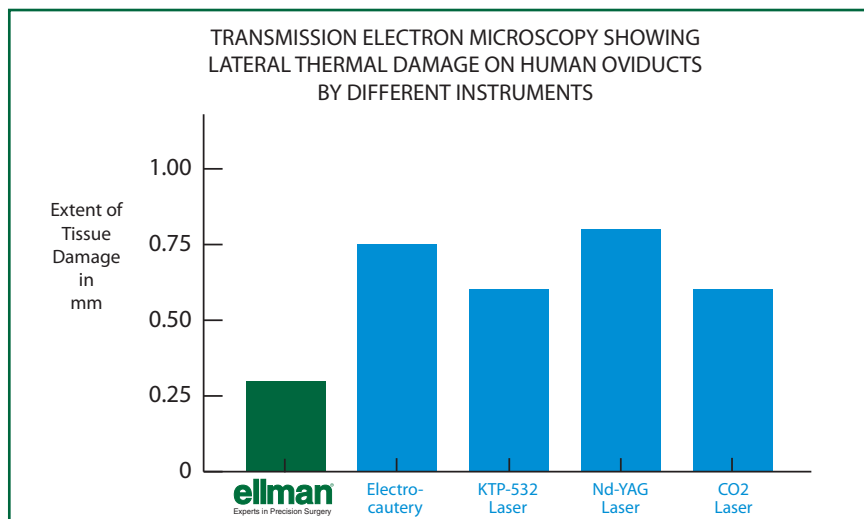
Pellevé™ Wrinkle Reduction System



Before

After

4.0 MHz minimizes Lateral Thermal Spread and maximizes Precision

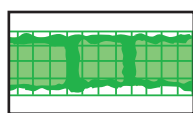


Reference - Olivar, AC, et al, Ann Clin Lab Sci. 1999 Oct-Dec; 29(4): p281-5.

Source: Golio, JM, et al, "RF and Microwave Applications and Systems", [The RF and Microwave Handbook](#), p21-2.

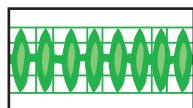
- Ellman radiowave technology produces one-third the lateral thermal damage as compared to conventional electrosurgery
- Ellman radiowave technology produces one-half to one-third of the lateral thermal damage versus most lasers

Five Distinct Waveforms for Optimal Clinical Outcomes



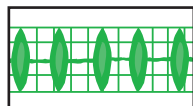
FULLY FILTERED (Cut)

Micro-smooth cutting • Negligible lateral heat • Minimal cellular destruction • Ideal for skin incision and biopsy • Best cosmetic results • Fastest healing • Used with special Pellevé™ handpieces for skin tightening



FULLY RECTIFIED (Cut/Coag)

Cutting with hemostasis • Ideal for subcutaneous tissue dissection and planing • Especially useful in vascular areas while producing minimal amounts of lateral heat and tissue damage



PARTIALLY RECTIFIED (Hemo)

Coagulation/Shrinkage • Ideal for hemostasis with controlled penetration • For cutting with maximum hemostatic control

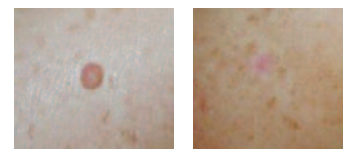


FULGURATION

Maximum penetration and hemostasis • Ideal for intentional tissue destruction

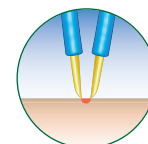
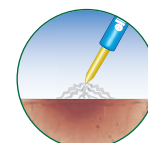
BIPOLAR

Pinpoint, micro-coagulation • Minimal charring or tissue necrosis • Ideal for coagulation in and around critical anatomy



Before

After



Features of the new Surgitron® Dual RF™ S5

- **Pelleve™ Compatible** enables non-ablative treatment of wrinkles
- **Patented Technology** reflects 50 years of innovation and enhancement
- **Dual Frequency** combines two distinct frequencies – Monopolar (4.0 MHz) and Bipolar (1.7 MHz) – for outstanding precision and control
- **Robust Design** incorporates an internal heat management system enabling use in lengthy surgical or aesthetic procedures requiring high power output for extended periods of time
- **Digital Control Panel** facilitates easy operation and a clear view of settings
- **Solid State Circuitry** for dependable and consistent energy emission
- **Parameter Recall** enables rapid set-up for subsequent procedures
- **Safety Indicators** provide visual and auditory alerts

Distinct Benefits for Your Practice

- **Precision** – sculpt precise incisions in very thin, mobile or tension-free tissues³
- **Versatility** – expand your offerings to include new revenue-generating aesthetic procedures, such as treating mild to moderate facial wrinkles with the new Pelleve™ Wrinkle Treatment Handpieces
- **Value** – a high return on investment (ROI) purchase for both hospital and office environments



Clinical Benefits for Your Patients

- **73% Less Thermal Spread** – as compared to Bovie® 1250 and Valleylab® ForceFX™ in porcine tissue²
- **Less Burning or Charring of Tissues** – minimizes burning of tissue, unlike laser or conventional electrosurgery¹
- **Decreased Post-Operative Pain** – causes less tissue trauma⁴
- **Excellent Cosmetic Results** – causes minimal scar tissue formation^{5,6}
- **Quick Recovery** – with less tissue damage, healing is hastened and your patients will recover quickly⁷

Clinical Citations

1. Olivar, AC, et al, Ann. Clin. Lab Sci. (1999); 29 (4): p281-5.
2. Data on file.
3. Niamtu, J. Chapter 4B, "Radiowave Surgery in Oral and Maxillofacial Surgery", in Distraction Osteogenesis of the Facial Skeleton, 2007, p30-37.
4. Ericsson, E et al, The Laryngoscope (2007); vol 117, p654.
5. Aferzon, M, Derm Surgery (2002); vol 28, p735-738.
6. Botero, G.E.S, J Otol Head Neck Surgery (1996); vol 24 (1), p69.
7. Bridenstine, J.B., Derm Surgery (1998); vol 24, p397-400.

The **PRECISION** you require with the **VERSATILITY** you need

Aesthetics

Dermatology

Ear, Nose, and Throat (ENT)

Facial Plastic

General Surgery

Gynecology

Ophthalmology / Oculoplastics

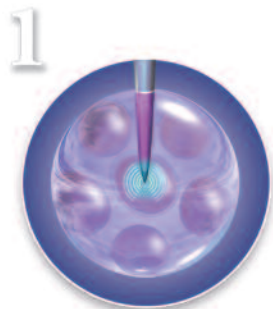
Oral / Maxillofacial Surgery

Plastic Reconstructive

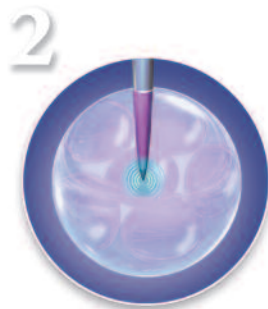
Primary Care

How Our Patented Radiowave Technology Works

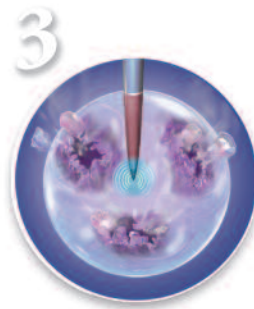
Cellular Radiowave Absorption



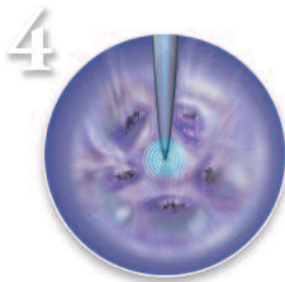
High frequency Radiowave energy has a strong affinity for water.



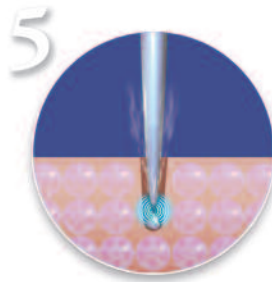
Targeted tissue / cell readily absorbs energy due to high water content.



Intracellular pressure increases as water molecules expand.



Volatilization results in cell conversion to vapor. Process emits steam which aids in coagulation.



Cellular interaction enables meticulous precise dissection with tissue preservation.

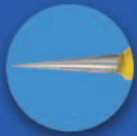


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Experts in Precision Surgery.

established 1959

Hundreds of electrodes & accessories are available for most medical specialties

(See Product Catalog for full listing)



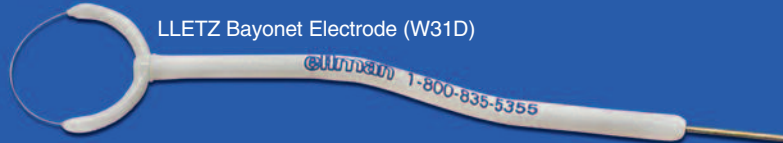
Empire® microIncision™ Needle Electrode (TEE327, 3/4" Length, Straight)



Vari-Tip™ Wire Electrode Adjustable Cutting Wire (A8D)



microInsulated™ Needle (H137, .003" Diameter)



LLETZ Bayonet Electrode (W31D)

RAUP Electrode (H81A1)



Bipolar Bayonet Turbinate (IEC-I6D)



Pellevé™ Handpiece, 10mm (D110FSHP)



Mini Mono Stan RF™ Forceps (IEC-MJ11/M, 4.9" Length)



ACe-Tip™ Non-Stick Forceps (ACBF-010, 3.5" Length)



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