

Laser Systems in Use in Veterinary Practice

CO₂ – up to 40 W CW, ms, and superpulse

Near IR

NdYAG, Diode (810-980 nm) - CW & ms pulse

Ho:YAG – 10-20 W, ≤ 1 J/pulse, 10-40 Hz

LLLT diode (830 & 980 nm) – CW & pulsed

Class III and IV

100 mW – 12 W

CO₂ Surgical Lasers

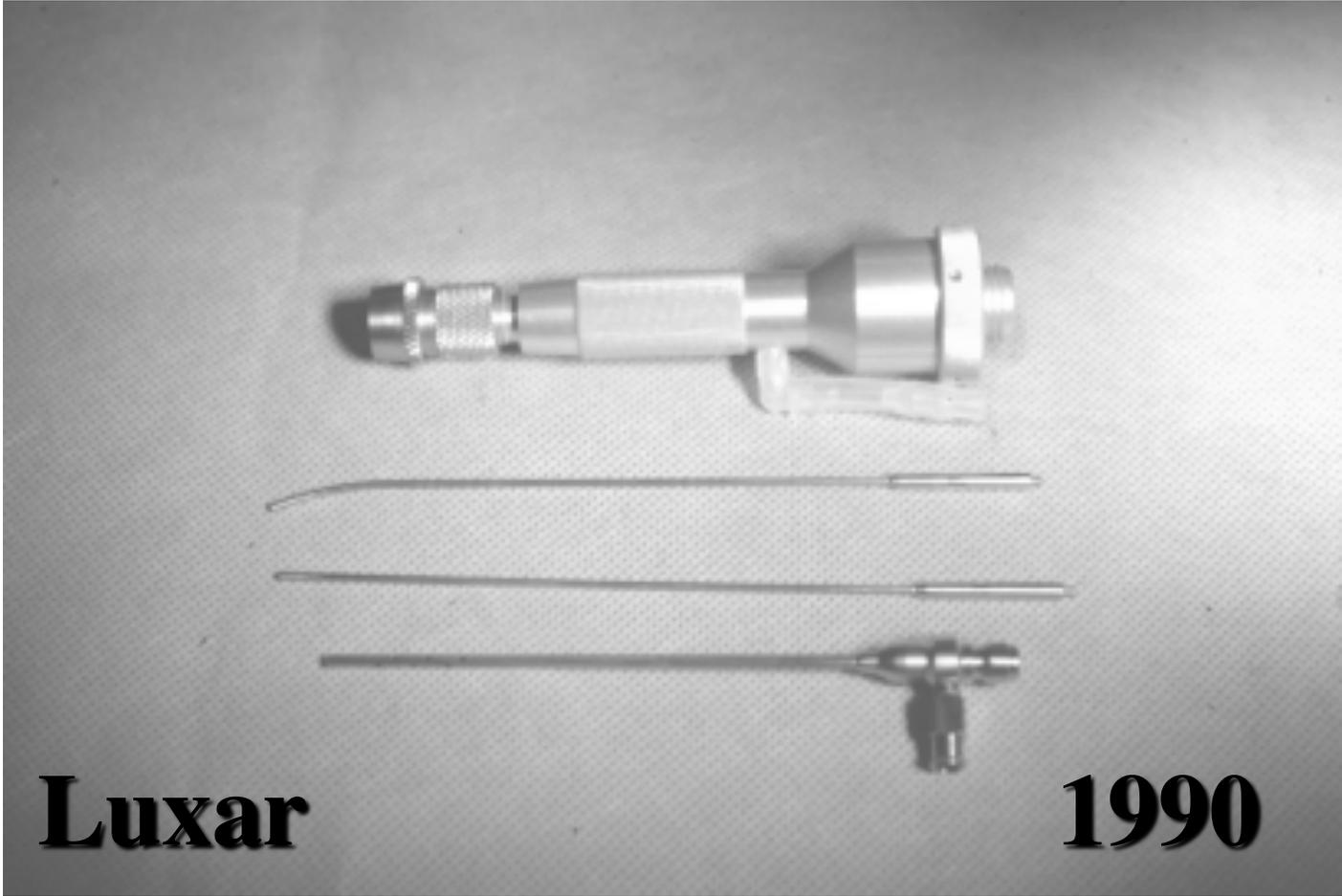


Articulated Arm





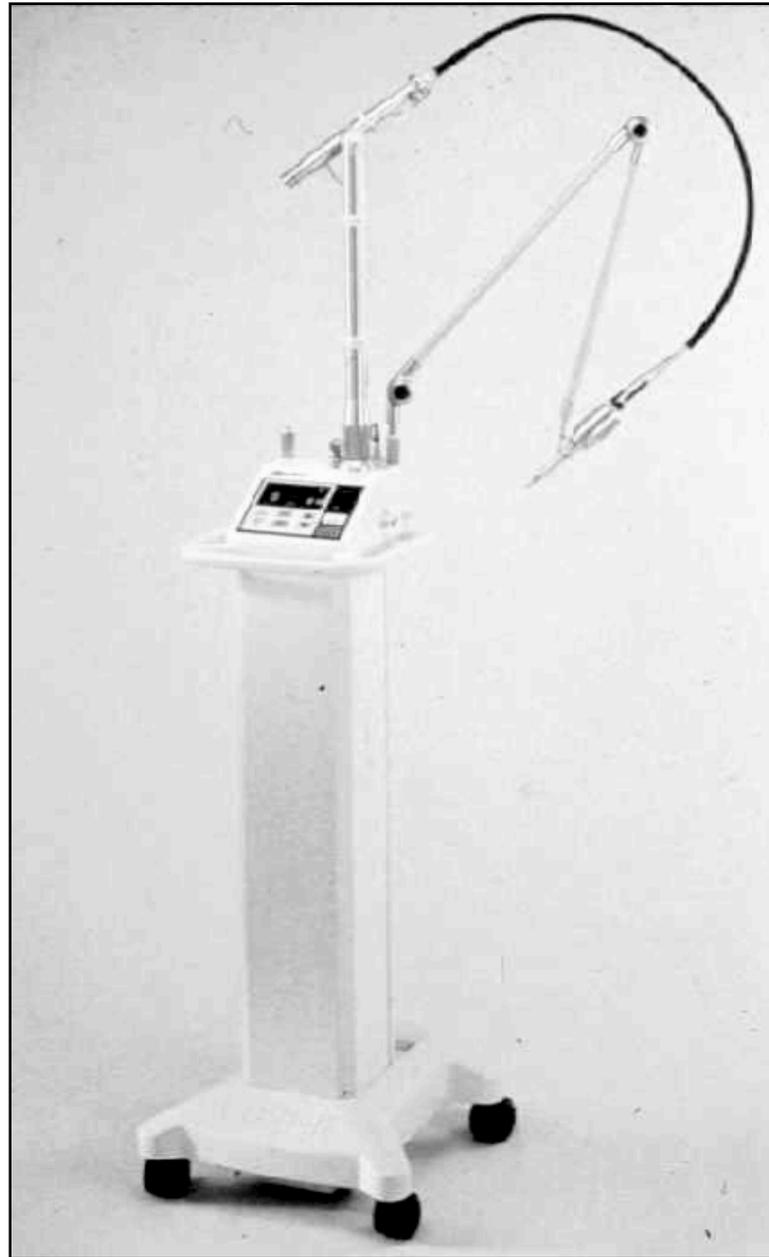
1988

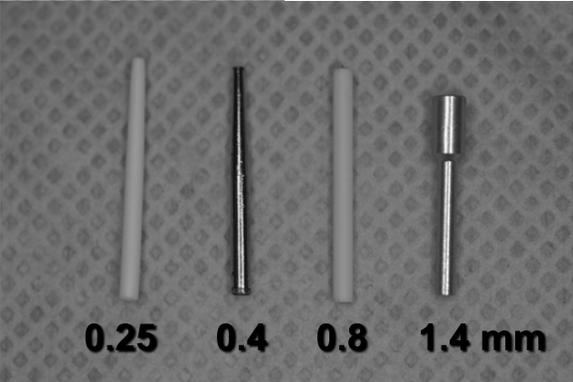
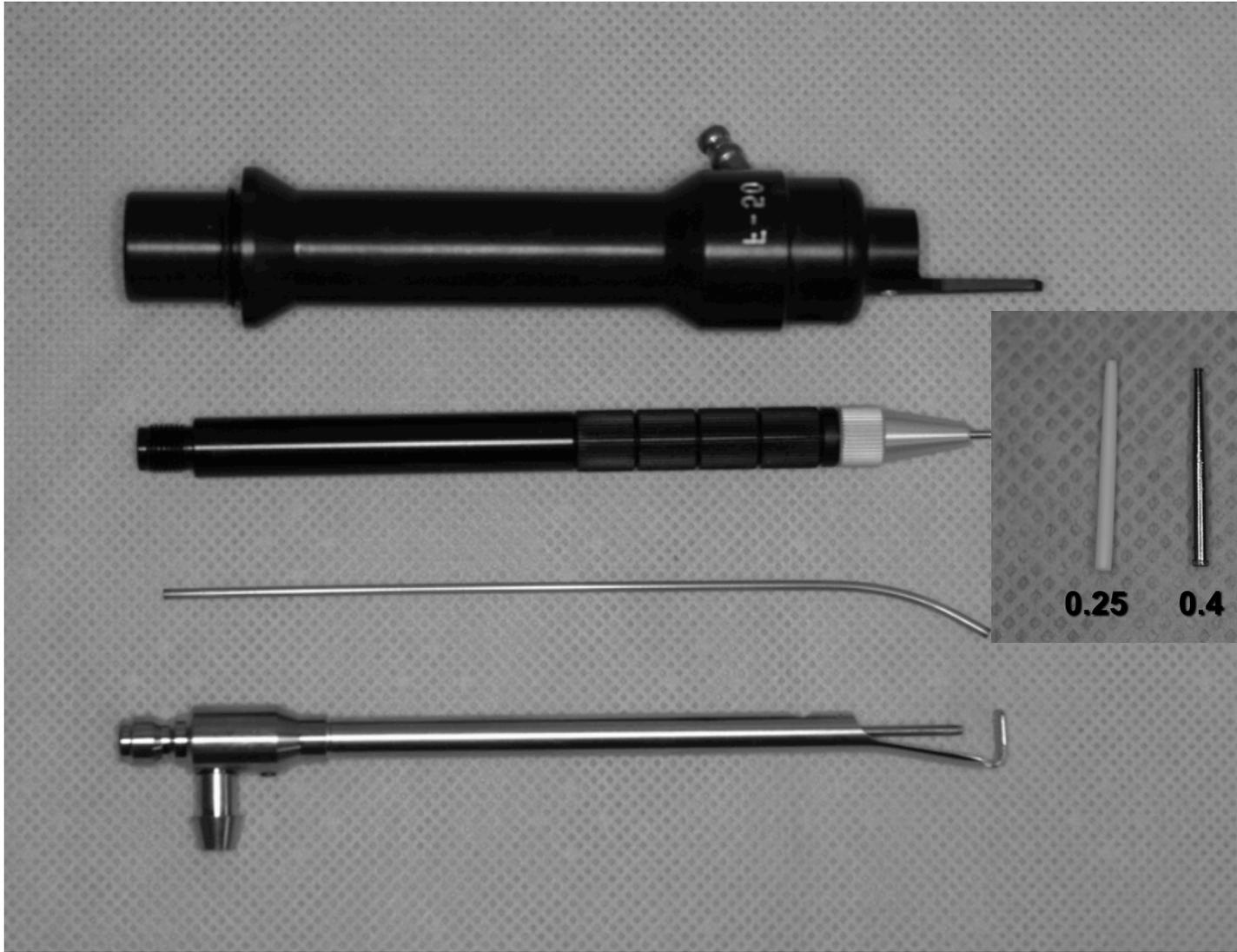


Luxar

1990

Waveguide Delivery



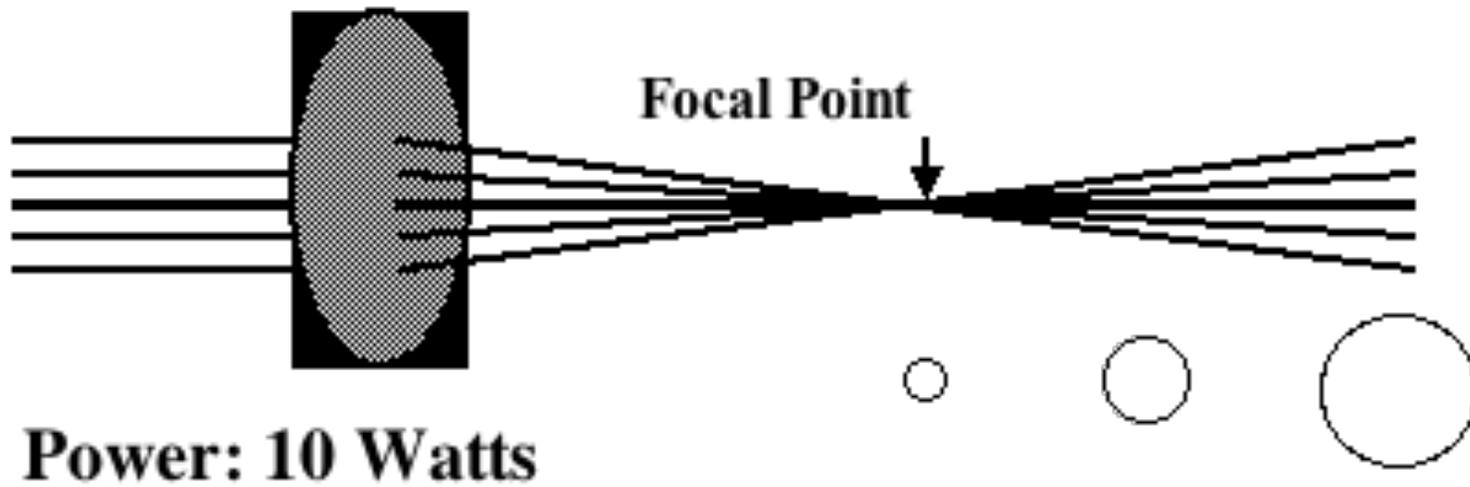


0.25

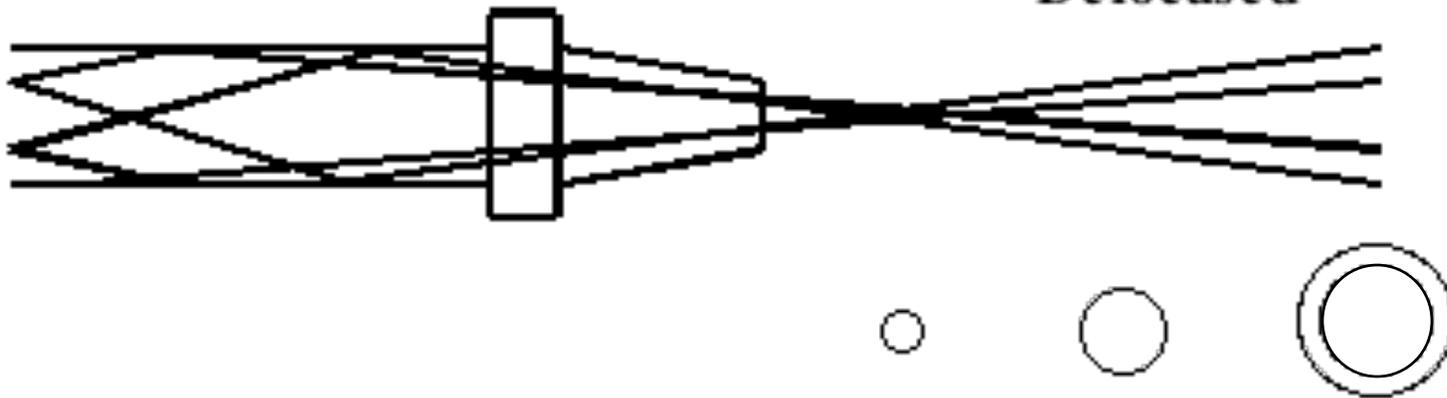
0.4

0.8

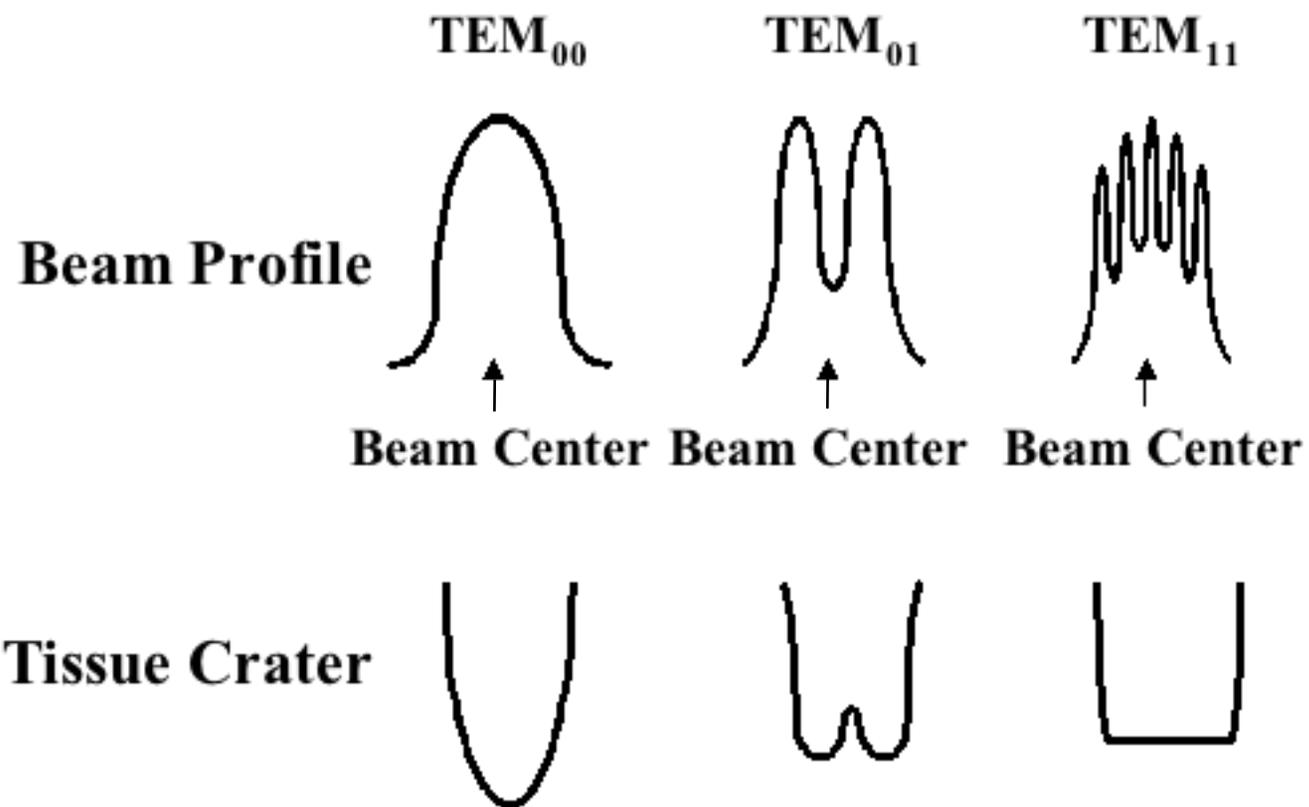
1.4 mm

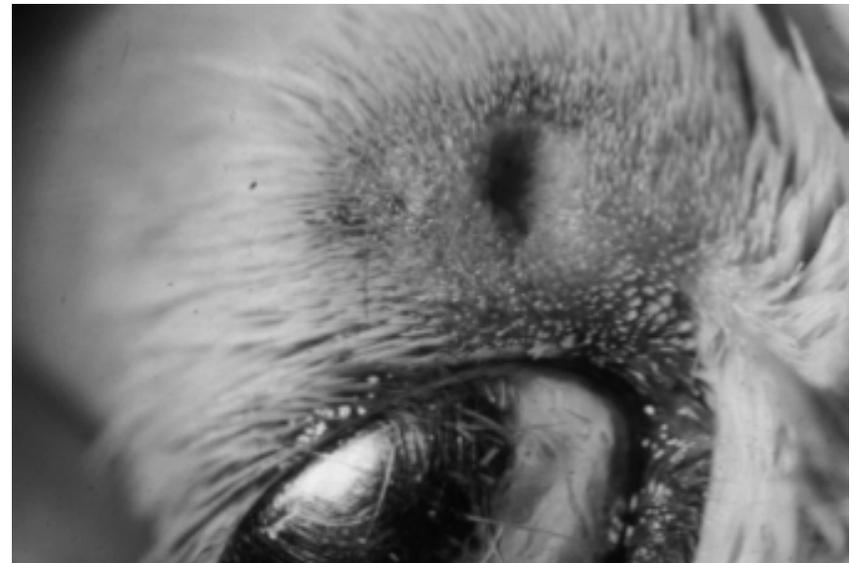
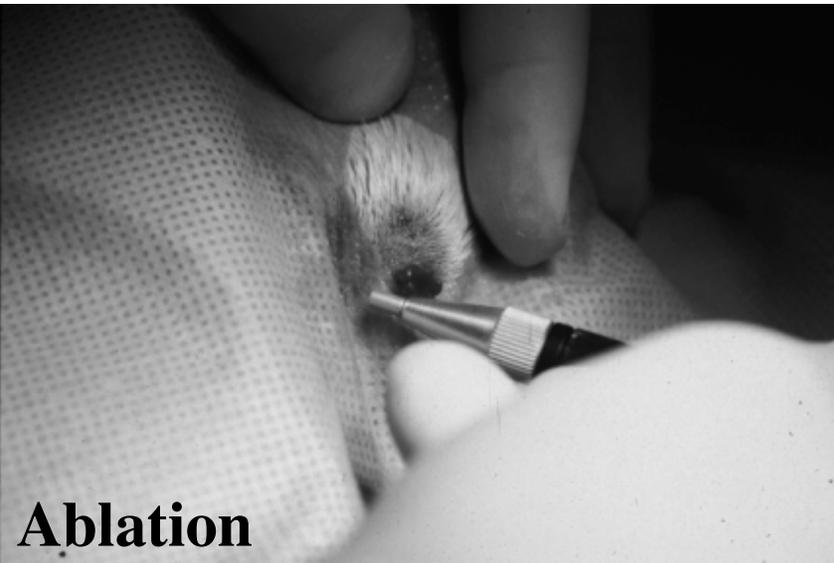


Defocused



Spot Size (mm)	0.2	0.4	0.8
Power Density (W/cm²)	32,000	8,000	2,000







Meibomian Gland Tumor

(Sebaceous adenoma of the eyelid)

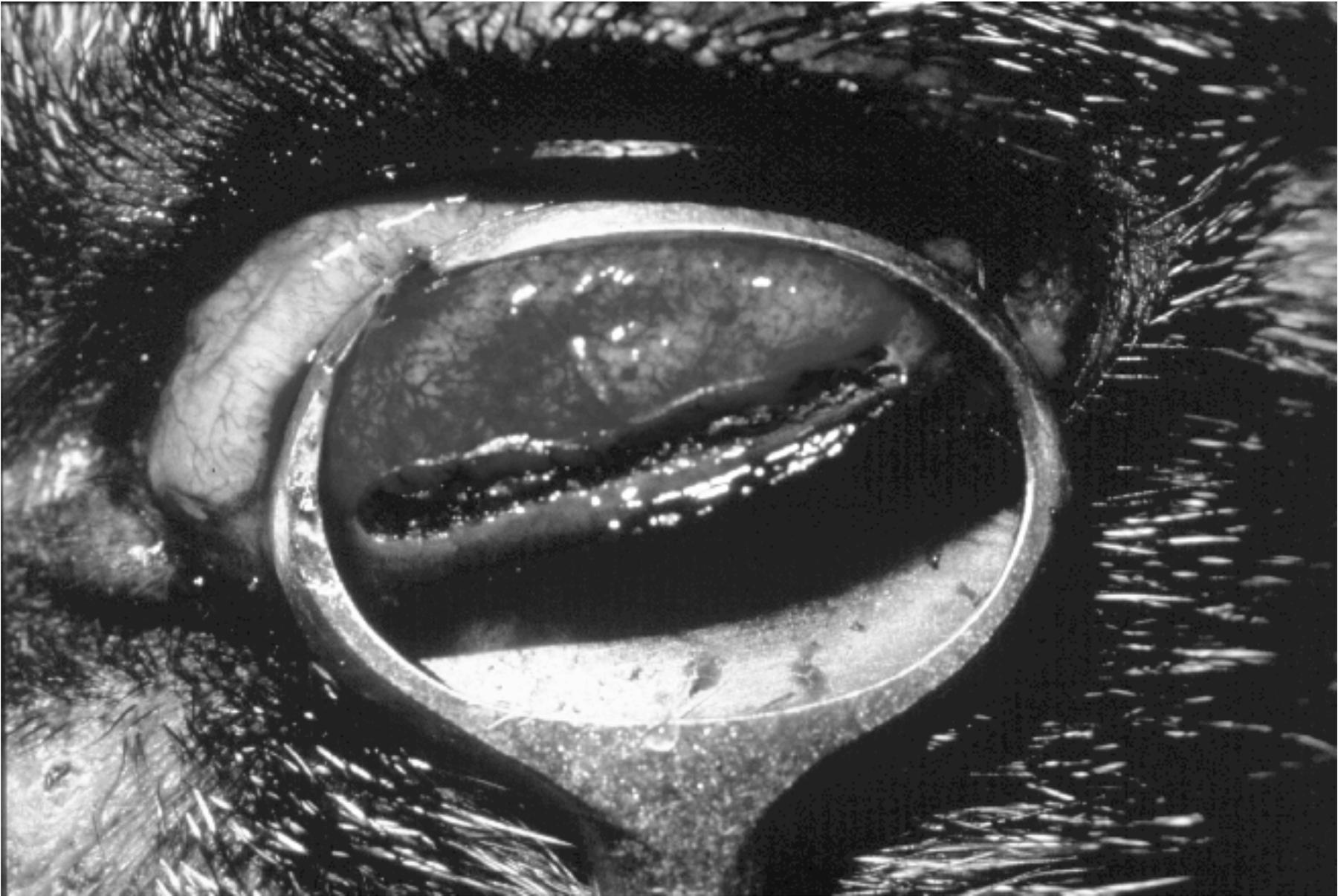




**10 Days Post
Surgery**









Chronic Recurring Draining Tract

- 8 year old, M, Bouvier des Flandres
- Multiple draining tracts all 4 paws
- Recurrent after surgical debridement and antibiotic therapy



- **CO2 Laser**
- **10 W**
- **Articulated arm delivery**
- **0.2 mm spot size,
focused and defocused**
- **Antibiotics orally**



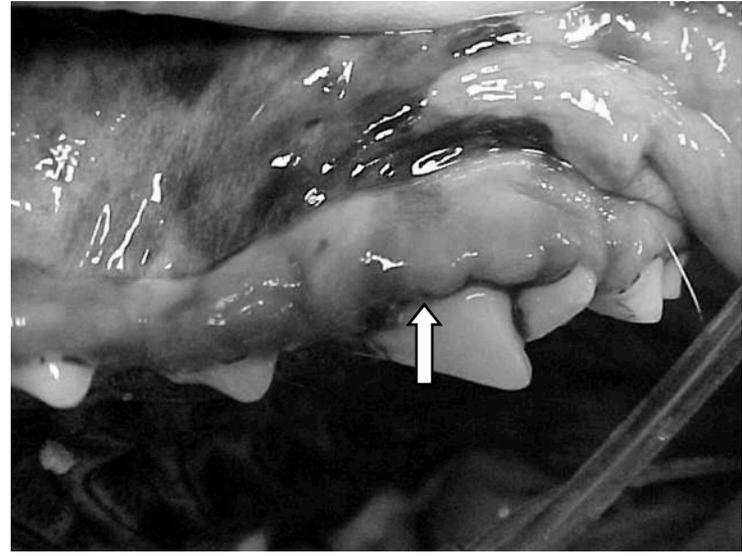
- **8 weeks post surgery**
- **No recurrence**



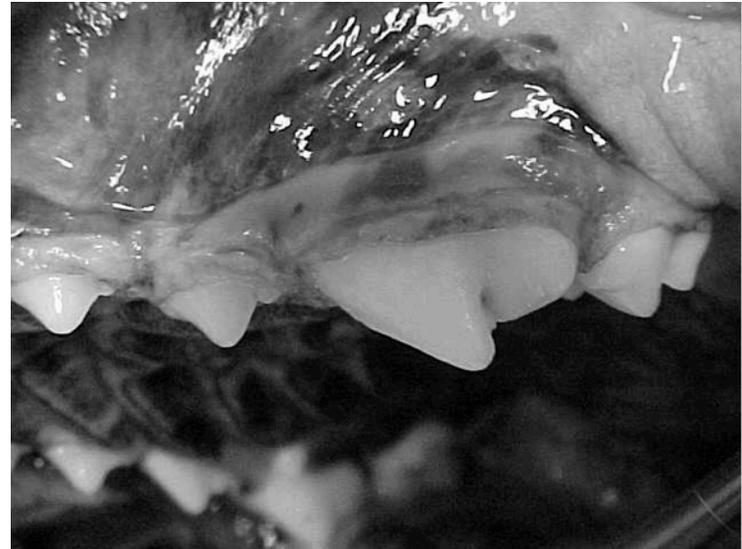
Plasma Cell Tumor

Re-excision for Wider Margins





Gingival hyperplasia – 3 to 5 mm pockets throughout mouth



Immediately post laser gingivectomy

CO₂ Laser Soft Palate Excision



Photographs Courtesy of
Dr. Ray Arza DVM

Benefits Promoted by Industry

- **Hemostasis**
- **Less Pain**
- **Reduced Swelling**
- **Rapid Healing**

Benefits

- **Hemostasis**

- Reduced Physiologic Stress To The Patient
 - Clear Surgical Field
 - Reduction in Surgical Time

- **Precision of Tissue Removal**

- Reduced Tissue Trauma
 - Decreasing The Magnitude Of The Lesion Created
 - Facilitates Removal Of Affected Tissue While Sparing Normal Tissue

- **Access to Difficult to Access Locations**

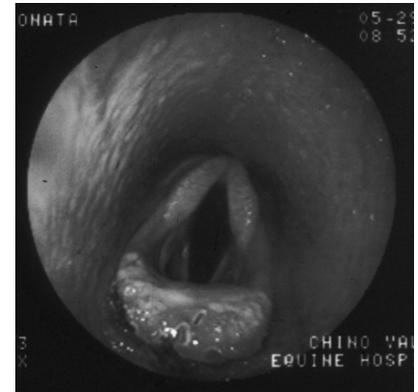
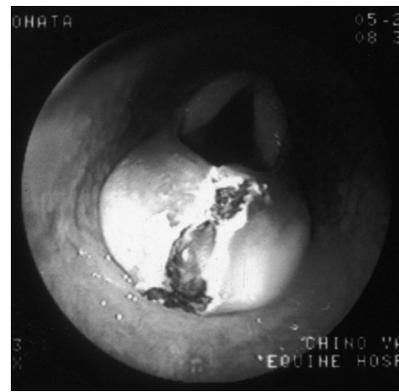
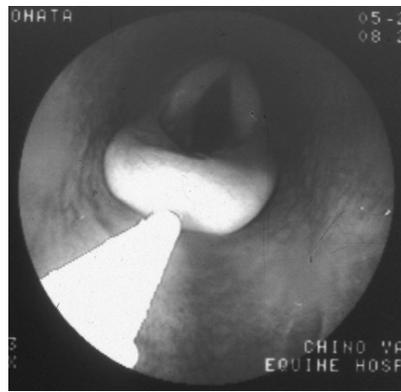
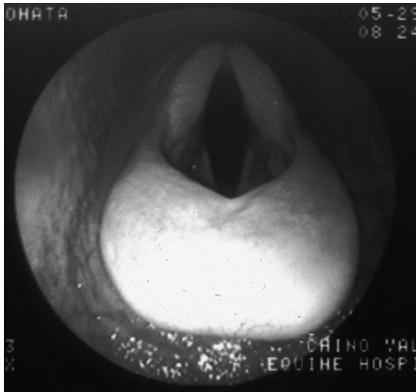
- Enables Minimally Invasive Approaches
 - Reduced Tissue Trauma
 - Preserves Anatomical Structures And Function
 - Reduced Surgical Time

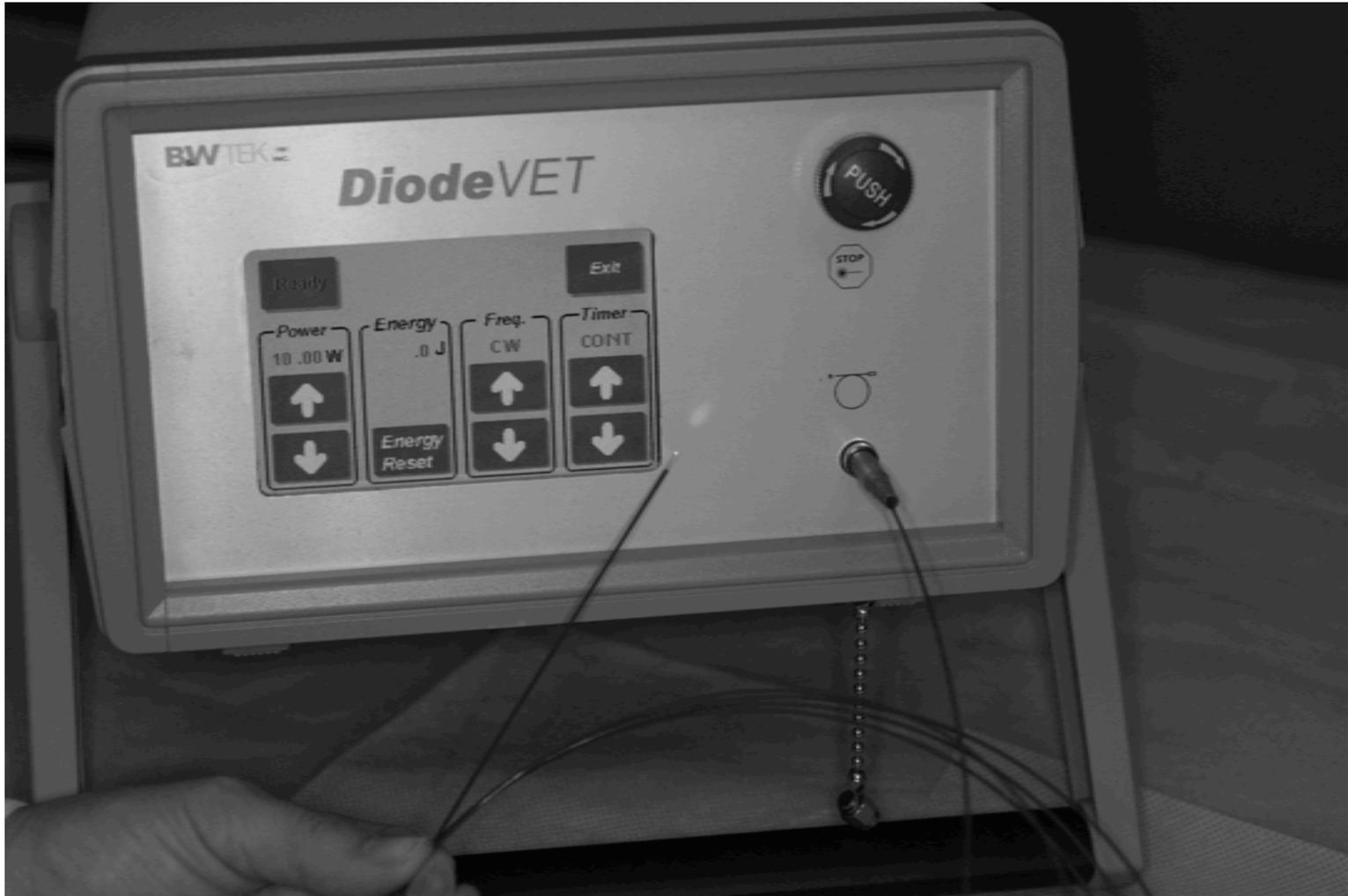
- **Reduced Patient Suffering**

- Reduced Pain Associated With The Procedure
 - Promotes Treatment Of Conditions That Otherwise May Go Untreated



Equine Epiglottal Entrapment





Therapy Lasers
LLLT diode (830 & 980 nm)
CW & pulsed
Class III and IV

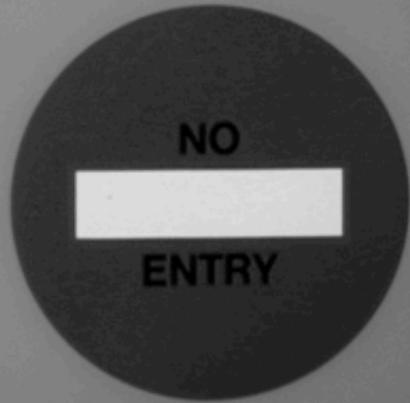
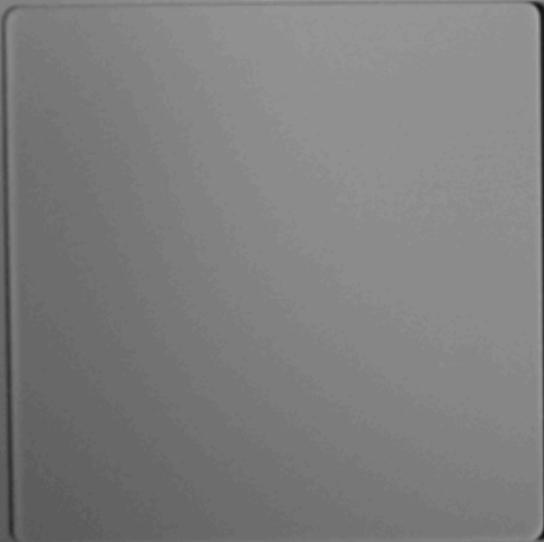


Safety

DANGER



LASER LIGHT





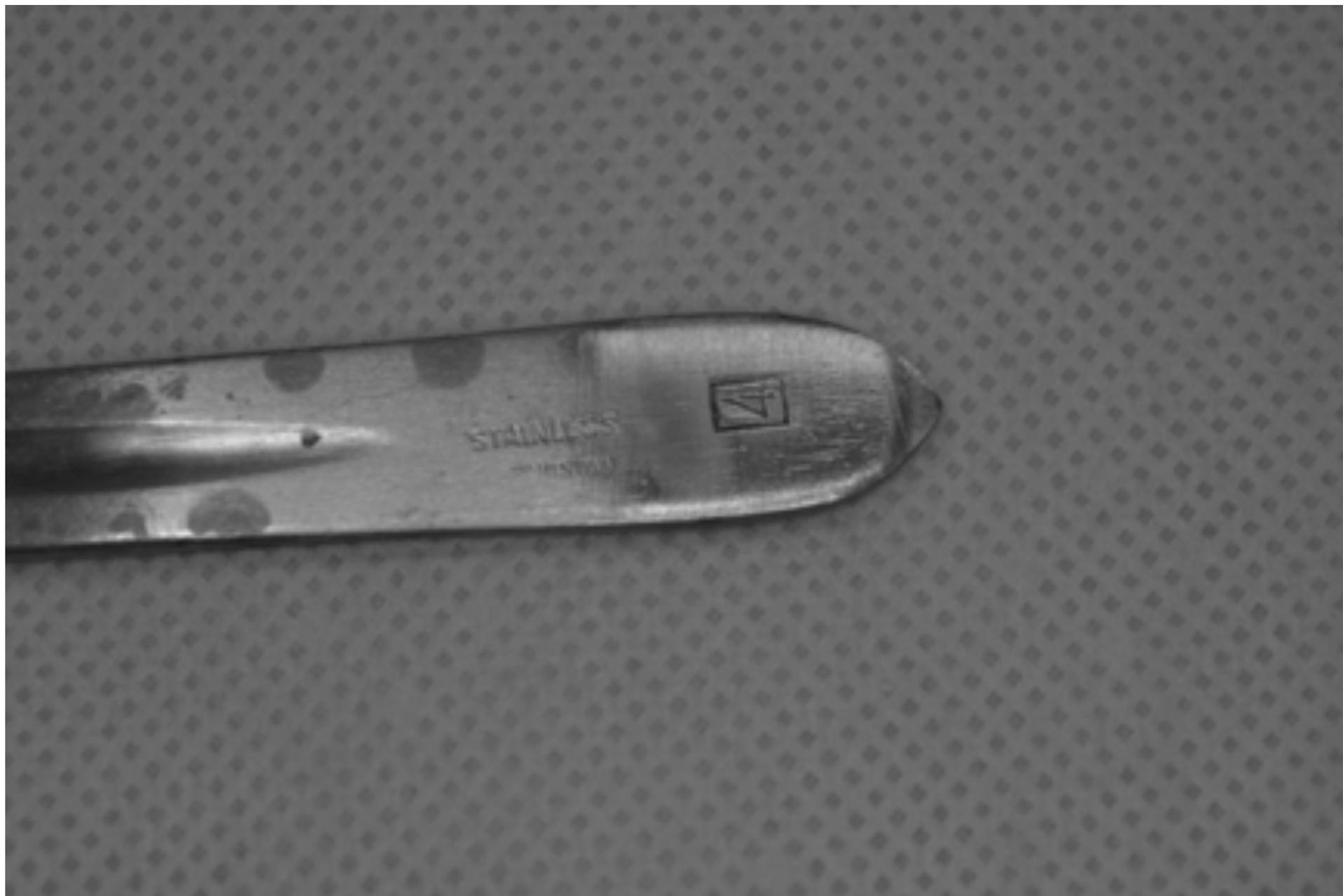


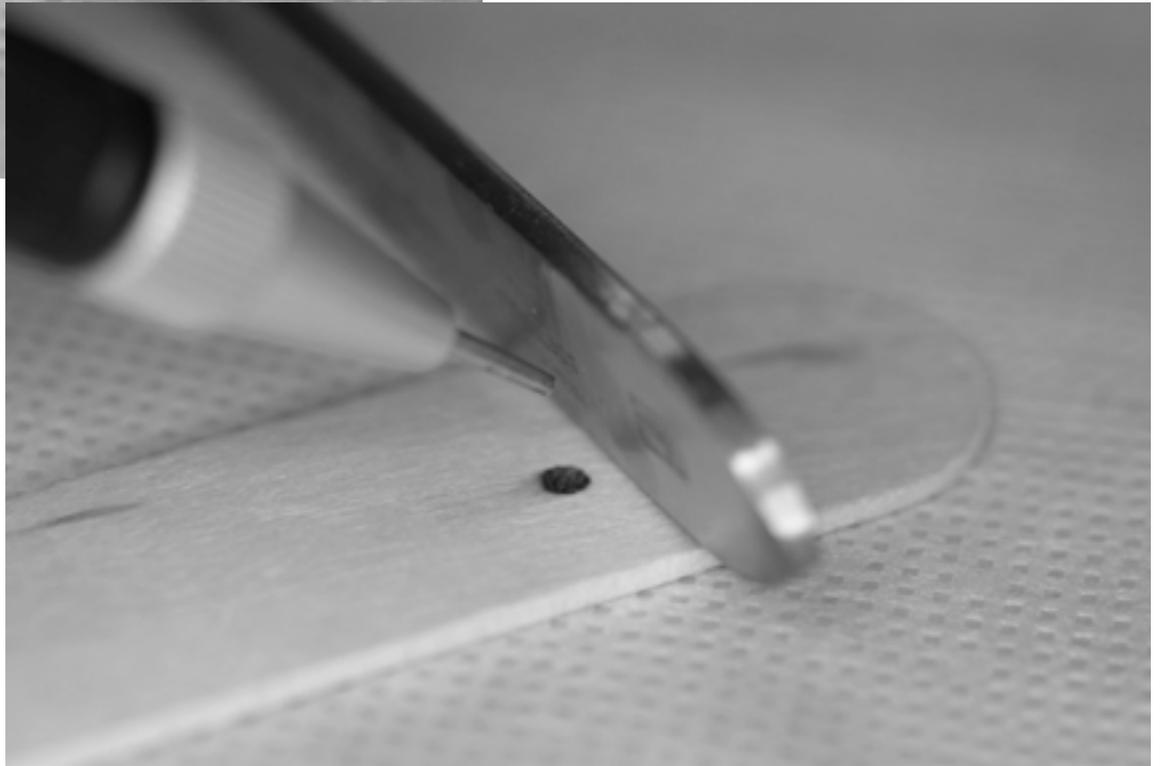
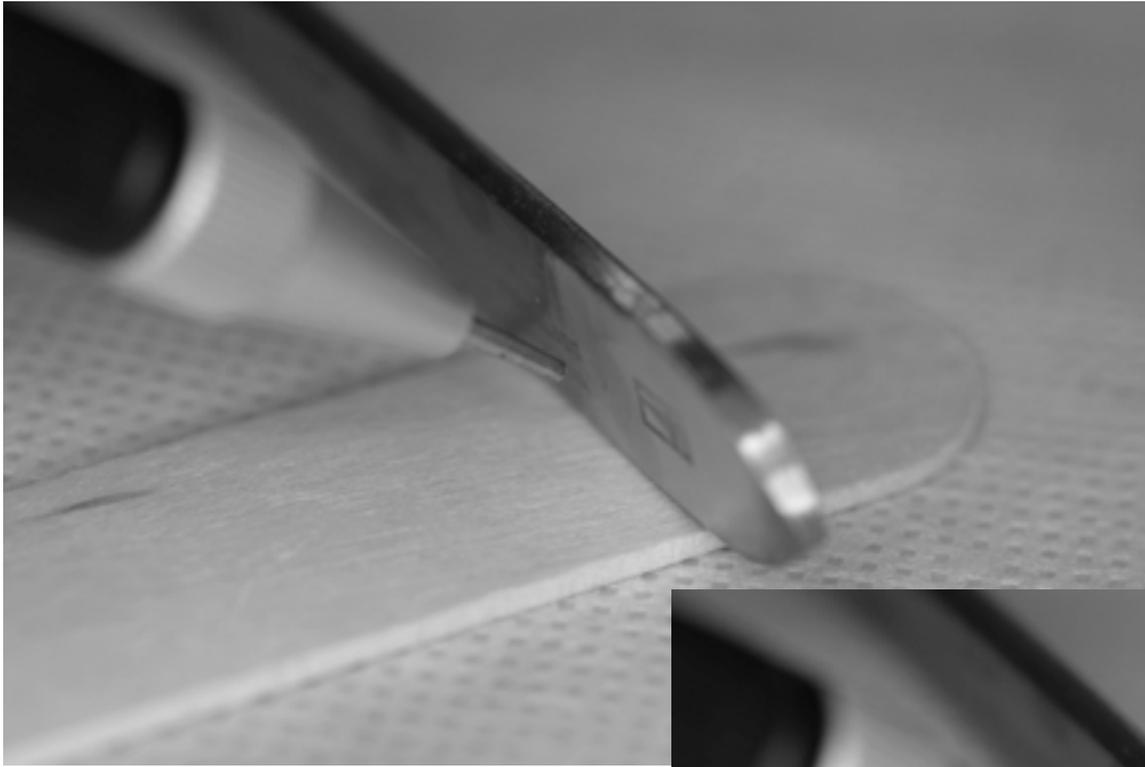




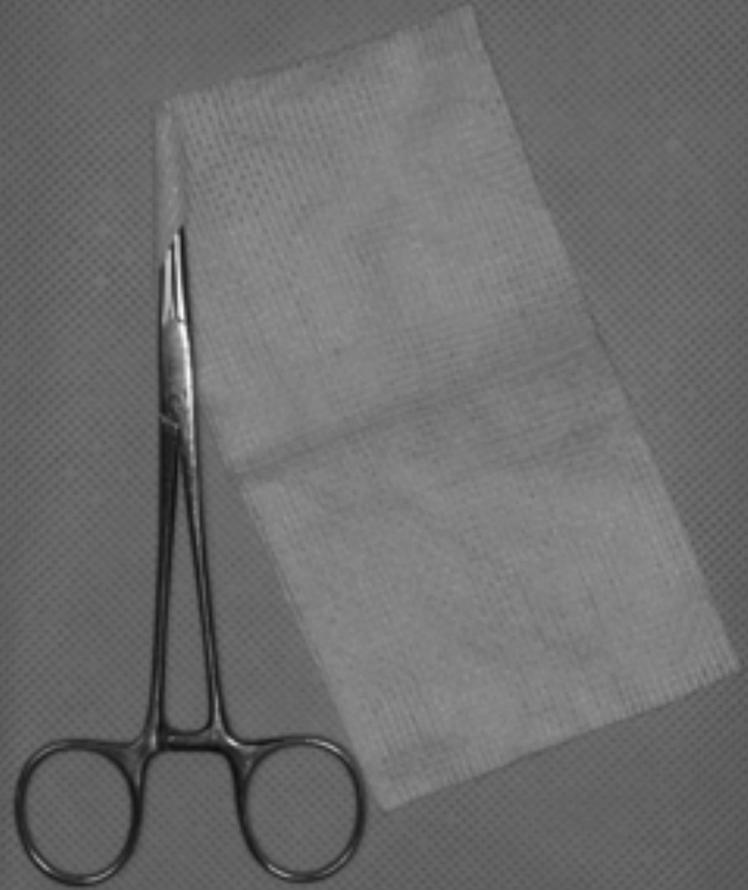
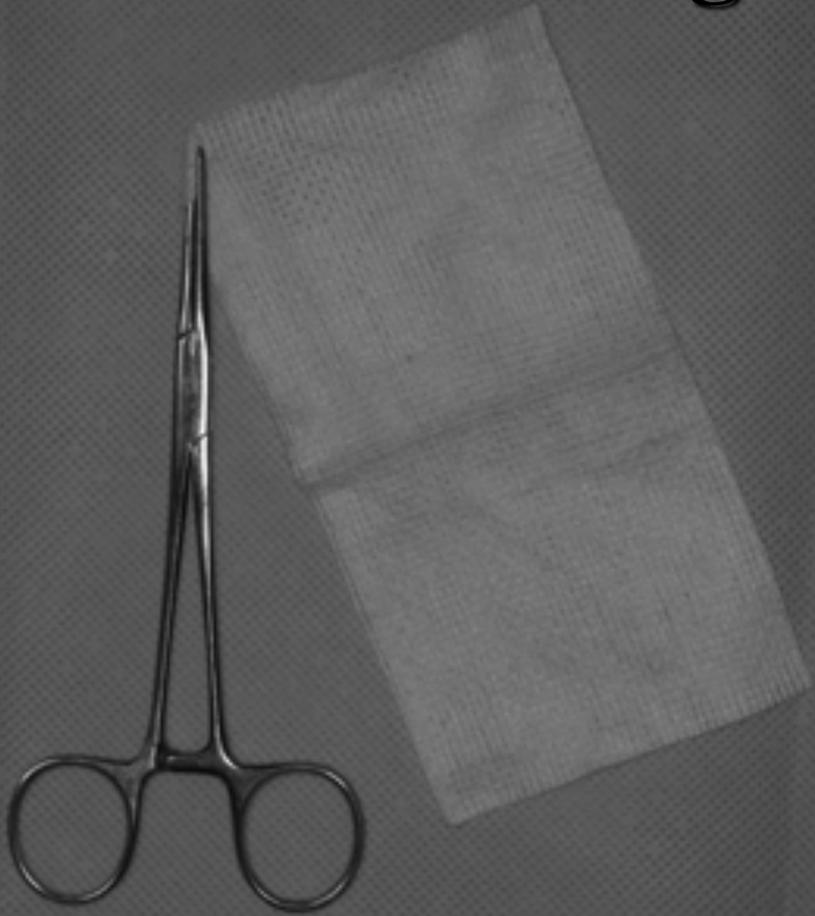




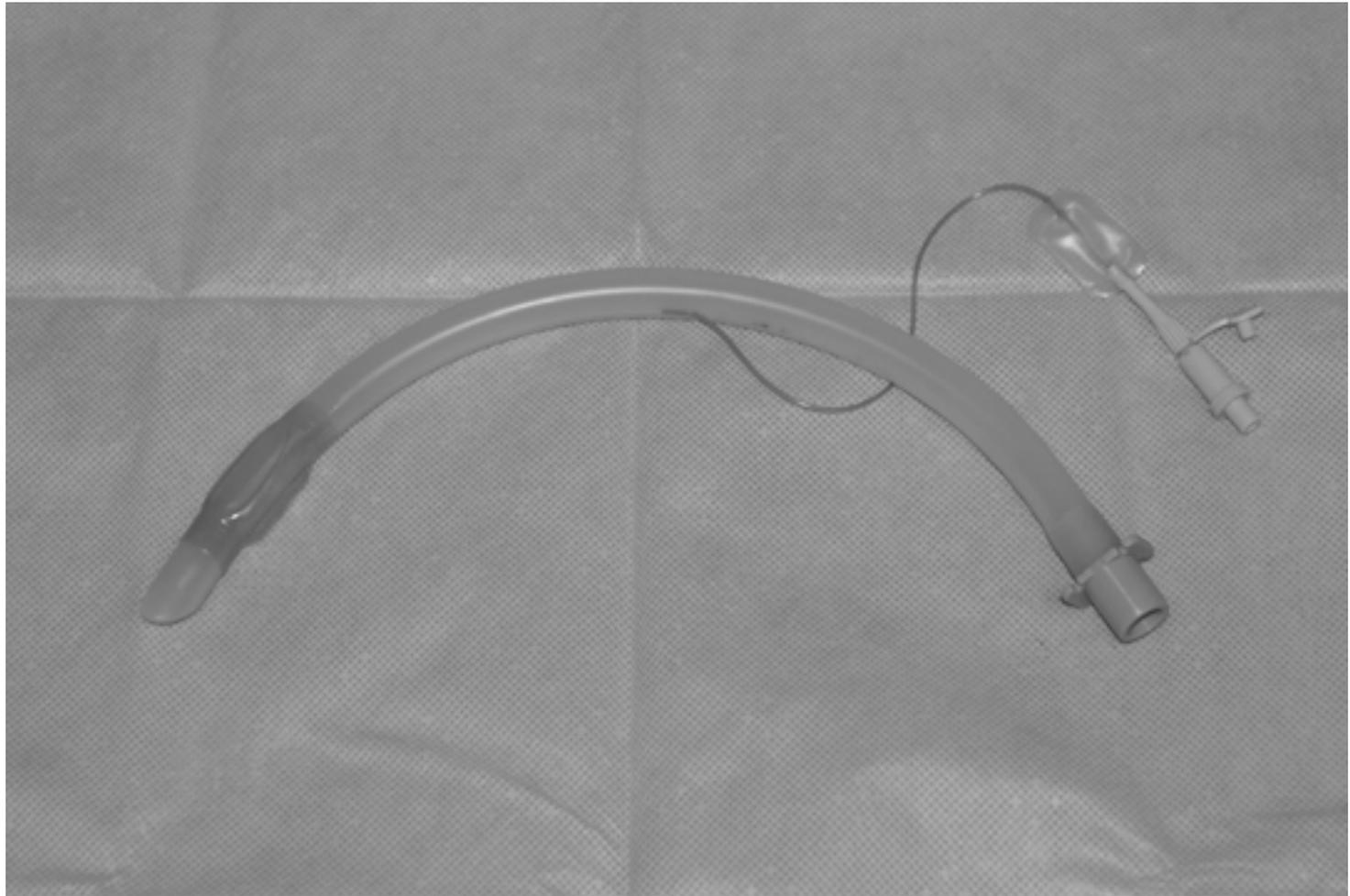




Making A Backstop









Reorder No. 89241



•••41889241201C•

Contents:

- 1 Pediatric Lap Sheet with
 - 3" x 8" Fenestration
 - ISO-SEAL® Positioning Tape
 - CONTROL® Fabric Reinforcement
 - Tube Holders

**Pediatric
Lap Sheet**

IMPORTANT:

The polypropylene fabric used in this product **DOES NOT IGNITE** when tested by the method of NFPA 702. It therefore meets the most stringent requirements of this standard and receives a Class 1 rating.





Laser Masks

*.1 Micron Filtration
MADE IN U.S.A.*

**>95% filter efficiency
of 0.1 micron particles**

Particle Challenge Study

Hypoallergenic

>99% Bacterial filtration efficiency (BFE)

