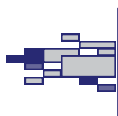


BIPOLAR ELECTROSURGICAL ACCESSORIES FOR ENT



THE DENNIS BIPOLAR TURBINATE PROBE SYSTEM

MADE IN THE USA

DESIGNED & DEVELOPED BY DONALD P. DENNIS, M.D.



ADVANTAGES OF THE DENNIS PROBE FOR CHRONIC OBSTRUCTIVE TURBINATE HYPERTROPHY:

1. IT CAN BE USED IN THE OFFICE W/ LOCAL ANESTHESIA
2. THERE IS NO INTREOPERATIVE OR POSTOPERATIVE PAIN
3. THERE IS NO PACKING NECESSARY
4. THE PATIENT MAY RETURN TO WORK THE SAME DAY
5. THE HIGH COST OF HOSPITALIZATION & ANESTHESIA IS AVOIDED
6. THE METHOD IS RELIABLE
7. IT GIVES PRECISION TISSUE COAGUALTION
8. IT MAY BE REPEATED IN 10 MINUTES IF NECESSARY; HOWEVER, THE AUTHOR HADS NOT FOUND IT NECESSARY TO DATE
9. THE BAYONET MOUNT ALLOWS GOOD VISUALIZATION DURING SURGERY W/ PRECISION HANDLING
10. IT IS SAFE & EFFECTIVE IN CHILDREN W/ CHRONIC TURBINATE HYPERTROPHY & CHRONIC RHINORRHEA. CHRONIC NASAL AIRWAY OBSRTUCTION IN CHILDREN CAN INTERFERE W/ MAXILLARY & MANIBULAR DEVELOPMENT. OPENING THE NASAL AIRWAY IN CHRONICALLY OBSTRUCTED CHILDREN CAN REDUCE THE SYMPTOMS OF ALLERGY & IN SOME CASES REDUCE THE NEED FOR ALLERGY SHOTS.

THE COMPLETE SYSTEM:

LIST NO.	DESCRIPTION
5985	ELMED SYSTEM FOR BIPOLAR SUBMUCOSAL TURBINATE SURGERY CONSISTING OF: LIST NO. 5356 ELMED BC 50 GENERATOR, LIST NO. 5970 DENNIS TURBINATE PROBE, LIST NO. 5707 FOOTSWITCH, LIST NO. 5302 BIPOLAR RF-CABLE, LIST NO. 55200-03 STERILIZATION AND STORAGE CASE AND LIST NO. 5975 INSTRUCTIONAL VIDEO

FOR INDIVIDUAL ITEMS:

LIST NO.	DESCRIPTION
5970	DENNIS BIPOLAR SUBMUCOSAL TURBINATE PROBE
5302	BIPOLAR RF-CABLE FOR ELMED DENNIS PROBE & ELMED GENERATOR CONNECTION
5230	BIPOLAR RF-CABLE FOR ELMED DENNIS PROBE & GENERATORS WITH 2-BANANA PLUG CONNECTION
5975	VIDEO TAPE FEATURING BIPOLAR SUBMUCOSAL TURBINATE SURGERY BY DONALD DENNIS, MD
55200-03	ELMED STERILIZATION AND STORAGE CONTAINER FOR MULTIPLE INSTRUMENTS (OR SINUS SCOPES), ALONG WITH RF-CABLES; MADE OF DURABLE THERMO PLASTIC, PERFORATED, WITH SILICONE STRIP MOUNTING BARS, 11" X 7" X 1½" (illustrated)

IMPORTANT:

In order to obtain clinically satisfactory results, combined with the ultimate in safety for both patient and surgeon, the Dennis Probe must be energized with an appropriate low voltage bipolar current. Dissatisfaction and failures in clinical results can be traced to the use of the probe with generators delivering output with too high a voltage or a modulated waveform. The **ELMED BC 50** is the ideal bipolar coagulator for submucosal turbinate surgery, delivering the required low voltage output and optimum operating frequency, assuring consistently reproducible results.

Since there is no standard for bipolar generators with respect to output waveform and peak-to-peak voltage, we must draw your attention to the following requirements for bipolar submucosal turbinate surgery:

OUTPUT FREQUENCY- 500 KHz, nominal

WAVEFORM-Full wave rectified (sinusoidal, non-modulated)

PEAK-TO PEAK VOLTAGE- Never to exceed 400 V at maximum generator output. Operating voltage should be less than 100 V peak-to-peak at nominal settings. This is very important, as the surgical procedure is to dehydrate the tissue and not burn or char, overheat and /or arc across it. Since most bipolar generators, particularly those incorporated in major operating room units, may be energized by high voltage, modulated current, there is danger of post operative bleeding, excessive tissue trauma, or other complications

ISOLATION FACTOR- The bipolar generator must be isolated form ground (floating) with a minimum isolation factor of 98%

WATTAGE- Requirements for the instrument range from 15 to 25 W. A suitable bipolar generator should have a maximum of no more than 50 W of power, measured at 100 Ohm impedance load.