

MONTGOMERY®
THYROPLASTY IMPLANT SYSTEM



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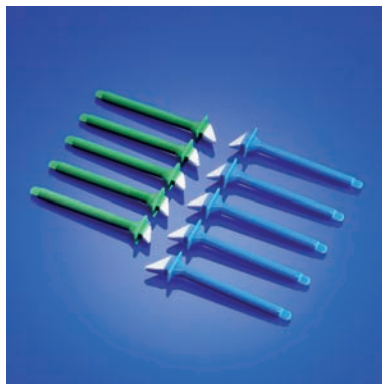
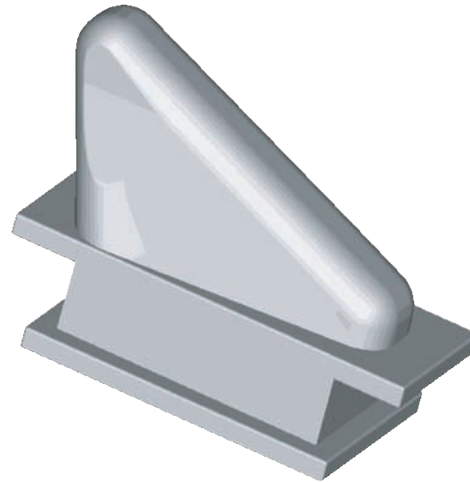


The **Montgomery® Thyroplasty Implant System** is the result of over a decade of research and development.

Designed to treat unilateral vocal cord paralysis, this revolutionary new system is standardized, eliminating the time-consuming process of customizing implants at the time of surgery. Standardization translates to consistent results. Solid clinical experience involving thousands of patients has produced outstanding voice improvement while reducing long procedures and complications associated with hand-carved implants and injection techniques.

Indications for use

For medialization thyroplasty in patients with unilateral vocal cord paralysis to improve voice quality.



FEATURES

- Complete standardized system
- Eliminates need to hand-fashion implants
- Self-retaining implant design
- No suturing is necessary
- Reduced trauma and surgery time
- Reversible
- Proven clinical success



MONTGOMERY® THYROPLASTY IMPLANT SYSTEM



THE DESIGN

The system consists of specially designed surgical instruments, devices for measuring medialization distance prior to implant insertion, and a range of five implant sizes for female patients and five sizes for males. The implants are constructed using implant grade silicone which has undergone extensive biocompatibility testing.

The surgical procedure has been fine-tuned and involves a step-by-step process for locating the thyroplasty window, creating the window, determining implant size, and inserting the implant. The procedure reduces surgery time and is completely reversible. [A procedural CD demonstrating the surgical procedure is available.](#)

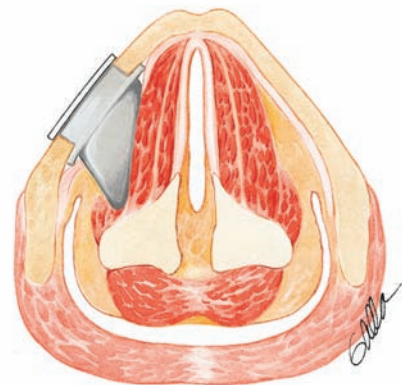
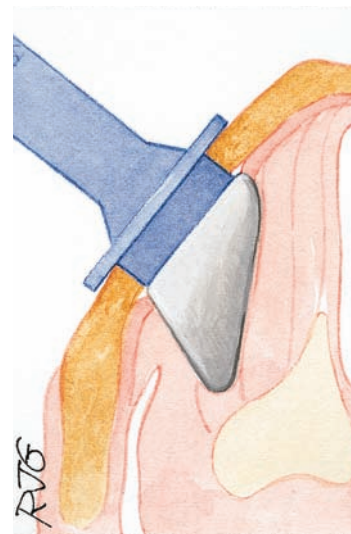
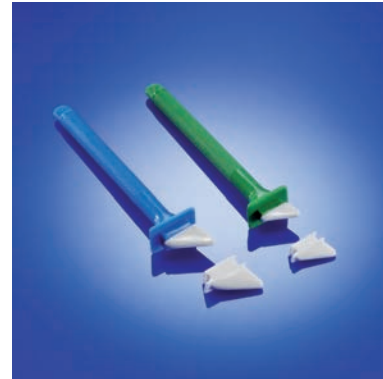
The unique design of the Montgomery® Thyroplasty Implant consists of two major components: the rectangular base and the triangular top. The base is constructed of firm silicone and features three tiers. The lateral, or outer tier, remains on the outer surface of the thyroid lamina and prevents medial displacement of the implant. The middle tier stabilizes the implant and prevents rotation. The inner tier rests against the inner surface of the thyroid lamina and prevents outward displacement. There is a common base for females and a common base for males.

The triangular portion is made using soft silicone and serves to medialize the vocal cord and the vocal process of the arytenoid. The hypotenuse of the triangle corresponds to the long axis of the vocal cord. The height of the triangle is measured in millimeters and is available in 6, 7, 8, 9, and 10 mm for females and 8, 9, 10, 11, and 12 mm for males.

Special measuring devices have been designed to accurately simulate vocal cord medialization eliminating the need to insert and replace multiple implants. This results in less trauma to the patient and reduced surgery time. The disposable set includes all five sizes to correspond to the implants and is available in both female and male kits.

Custom surgical instruments to facilitate locating, designing, and creating the window and inserting the implant are available individually, or as a complete 13-piece set with sterilization tray.

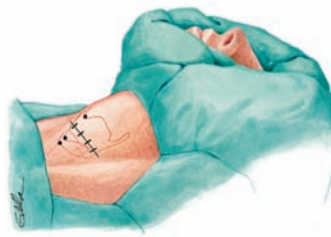
A Single Procedure Kit is now available and includes everything you need to perform one thyroplasty procedure. We will send you a complete instrument set, measuring kit, and five implants. After performing the case, simply send back the instruments and unused implants in the convenient supplied container. Boston Medical Products now makes it even easier to use the Montgomery Thyroplasty Implant System!



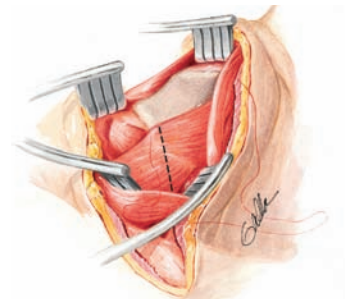
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THE PROCEDURE

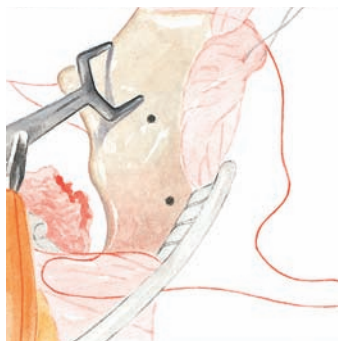
The Montgomery® Thyroplasty Implant System procedure has been standardized and refined through years of research and development. The following illustrations summarize the basic steps in performing the procedure. For detailed instructions, refer to the Montgomery® Thyroplasty Implant System Surgeon's Implant Guide.



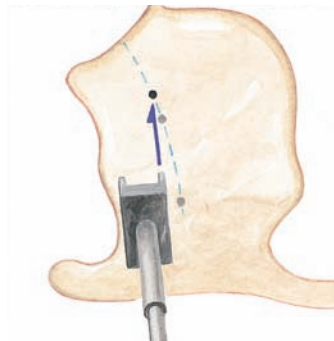
a. Prep and Drape



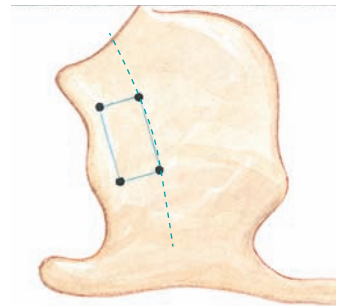
b. Expose Thyroid Cartilage



c. Locate key point after having defined a connecting line



d. Apply Outline Instrument on the key point



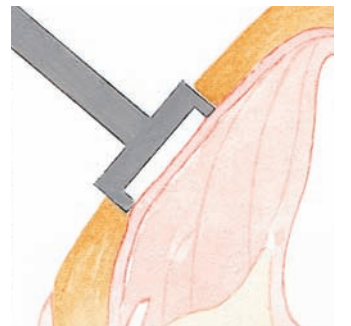
e. Window Outline



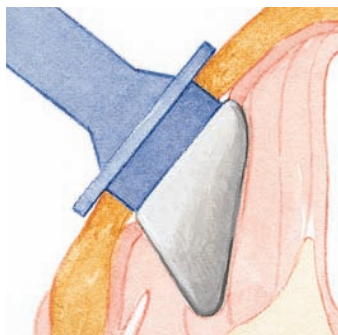
f. Create Window



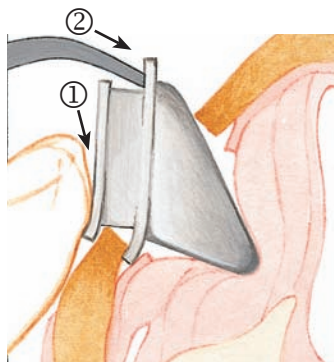
g. Remove Cartilage



h. Confirm Window Size



i. Apply Measuring Devices



j. Insert Implant with implant inserter



k. Implant in Place

SYSTEM OPTIONS



OPTION 1 - INDIVIDUAL SYSTEM COMPONENTS

Montgomery® Thyroplasty Implants, supplied sterile, one implant per carton.

REF		REF	
MTF-06	Female Size 6	MTM-08	Male Size 8
MTF-07	Female Size 7	MTM-09	Male Size 9
MTF-08	Female Size 8	MTM-10	Male Size 10
MTF-09	Female Size 9	MTM-11	Male Size 11
MTF-10	Female Size 10	MTM-12	Male Size 12

16-Implant Dispenser Sets, contains 16 implants. Significant savings over purchasing individual implants.

REF	
MTC-01	Male and Female Combination Implant Set, contains 16 implants: 1 ea. female sizes 6,7 / 2 ea. female sizes 8,9,10 1 ea. male sizes 8,9 / 2 ea. male sizes 10,11,12
MTF-01	Female Implant Set, contains 16 implants: 2 ea. female sizes 6,7 / 4 ea. female sizes 8,9,10
MTM-01	Male Implant Set, contains 16 implants: 2 ea. male sizes 8,9 / 4 ea. male sizes 10,11,12

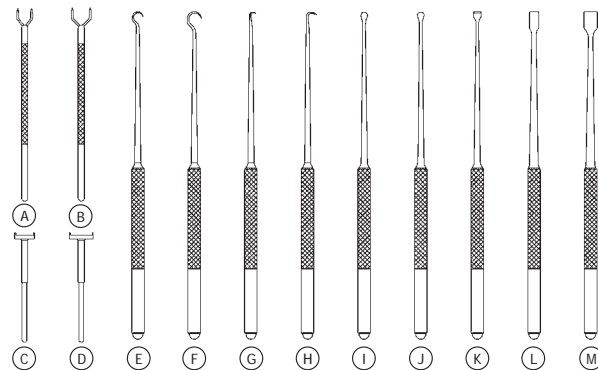
Montgomery® Thyroplasty Measuring Device Kits
Supplied sterile, disposable. Kits include one of each size measuring device (5 sizes per kit).

REF	
MT-300	Female Measuring Device Kit
MT-400	Male Measuring Device Kit

Montgomery® Thyroplasty Surgical Instruments, supplied non sterile.

REF	
MT-201	(A) 7 mm Female Window Caliper
MT-202	(B) 9 mm Male Window Caliper
MT-203	(C) Female Window Outline Instrument
MT-204	(D) Male Window Outline Instrument
MT-205	(E) Small Curved Hook
MT-206	(F) Large Curved Hook
MT-207	(G) Small Sharp Hook
MT-208	(H) Large Sharp Hook
MT-209	(I) 3 mm Duckbill Elevator
MT-210	(J) 5 mm Duckbill Elevator
MT-211	(K) Chisel Elevator
MT-212	(L) Female Implant Inserter
MT-213	(M) Male Implant Inserter

REF	
MT-200	13-piece Surgical Instruments Set with Custom Sterilization Tray



OPTION 2 - SINGLE PROCEDURE THYROPLASTY KIT

A cost-effective and convenient option designed for surgeons who perform a limited number of thyroplasty procedures. Choose either a female or male kit. Boston Medical Products will send you the complete 13-piece instrument set in sterilization tray, one disposable measuring device kit, and five thyroplasty implants. Following the surgery, simply return the instrument set and four unused implants.

Montgomery® Thyroplasty Single Procedure Kit

REF		REF	
MT-SPF	Female Single Procedure Kit	MT-SPM	Male Single Procedure Kit

OPTION 3 - MULTIPLE PROCEDURE THYROPLASTY KIT

Designed for surgeons or facilities performing multiple thyroplasty procedures annually.

Montgomery® Thyroplasty Multiple Procedure Kit

REF	
MT-MP	Thyroplasty Multiple Procedure Kit, includes: 1 ea. MT-200 13-piece Surgical Instrument Set with Custom Sterilization Tray 4 ea. MT-300 Female Measuring Device Kits 4 ea. MT-400 Male Measuring Device Kits 1 ea. MTC-01 Male and Female Combination Implant Set (16 implants)