



visionary aesthetic ultrasound

# The Ulthera™ System for Ultherapy™

*“Ultherapy™ adds a whole new category to the aesthetics industry... broadening the scope of what can be treated effectively and noninvasively”*

– Rox Anderson, M.D., Boston, MA

## The only ultrasound therapy for facial rejuvenation

With the advent of the Ulthera™ System, physicians now have an entirely new category of cosmetic procedure with which to counter the effects of aging on the skin – Ultherapy™

The Ulthera System combines ultrasound imaging and focused ultrasound therapy in a single, proprietary “see and treat” device. This affords the practitioner unprecedented control – and outcomes – when depositing energy into soft tissue to create thermal coagulation.



pre-treatment

90 days post-treatment

**Eyebrow lift with one 30-minute Ultherapy treatment**

*(ref: Northwestern University clinical study subject)*

## Efficacy you can see

Clinical evaluation at Northwestern University demonstrated that one Ultherapy treatment can reliably produce significant tightening and lift over a period of 90 days.

**86%** of subjects were found to have a clinically relevant eyebrow lift (Expert masked photo assessment)

The mean value of maximum eyebrow height change was **1.9 mm**

The mean value of average eyebrow height change was **1.7 mm**

Photographs revealed **less hooding** and a **more open look** to eyes

**Firmer, tighter, better-fitting skin** was reported, as well as a **more refreshed appearance overall.**

ref: Alam M, et al. (2010). Ultrasound tightening of facial and neck skin: A rater-blinded prospective cohort study. J Am Acad Dermatol, 62(2), 262 - 269.

## Safety you can trust

Clinical studies have shown Ultherapy to be a safe procedure, with tens of thousands of treatment lines delivered to date.

Extensive preclinical and clinical investigations were conducted at the following institutions:

- Massachusetts Eye and Ear Infirmary, Harvard Medical School
- Wellman Center for Photomedicine, Massachusetts General Hospital
- Skin and laser clinic of dermatologist affiliated with University of Minnesota
- Northwestern University School of Medicine
- University of California at San Diego

# The DeepSEE™ Difference

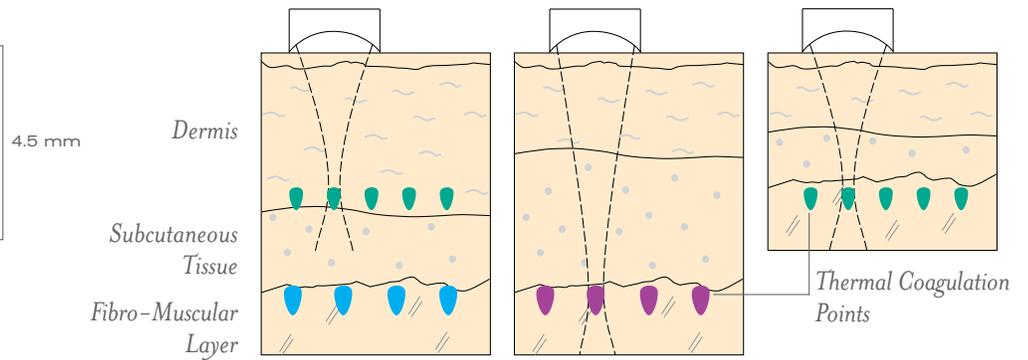
Ulthera's patented DeepSEE™ Micro-Focused Ultrasound with Visualization (M-FUV) is the innovation behind the safety and efficacy with the Ulthera System.

The therapeutic capability allows the selective delivery of acoustic energy deep in the soft tissue with programmable precision and focused efficiency, while sparing the intervening tissue.

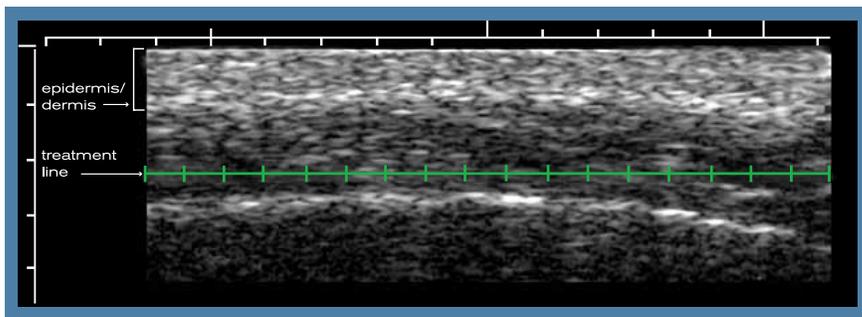
- Creates discrete thermal coagulation points (TCPs) approximately **1 mm<sup>3</sup>** in size
- Delivers in **25mm** lines (or shorter) consisting of evenly spaced TCPs
- Deposits energy **at multiple depths** below surface of the skin, as defined by transducer
- Thermal effect **does not spread** beyond individual lesions or targeted horizontal plane



Consistent placement of thermal lesions at depth in porcine skin



Geometrically focused energy at one or more prescribed depths



## Imaging capability:

- novel in-office tool for seeing deep within the skin and subdermal tissue
- high resolution scan of tissue up to 8 mm
- ensures optimum placement of energy

< Image of layers of soft tissue and targeted treatment depth

The specificity of DeepSEE ultrasound makes the Ultherapy procedure easy to incorporate into the regimen of both the practice and the patient

- can be completed in 30 minutes
- is tolerated without anesthesia
- no skin cooling required
- patient has no social downtime

## The Ulthera System Components

### Ulthera Control Unit

- tabletop unit for flexibility
- touch screen interface
- platform for future applications

	English	Metric
<b>Height</b>	15.3"	38.9 cm
<b>Width</b>	16.5"	41.9 cm
<b>Depth</b>	13.0"	33 cm
<b>Weight</b>	22 lbs	10 kg

### DeepSEE Handpiece

- accommodates transducers
- integrated See and Treat buttons

	English	Metric
<b>Weight</b>	1.5 lbs	.7 kg
	(with cable & transducer)	



### DeepSEE Transducers

- multi-patient use
- region-specific

Transducer	Frequency	Treatment Depth	Image Depth
DS 4-4.5	4 MHz	4.5 mm	up to 8 mm
DS 7-4.5	7 MHz	4.5 mm	up to 8 mm
DS 7-3.0	7 MHz	3.0 mm	up to 8 mm