



VERSATILE DIODE TECHNOLOGY



# SMOOTHBEAM

# MEANS MORE THAN EVER BEFORE

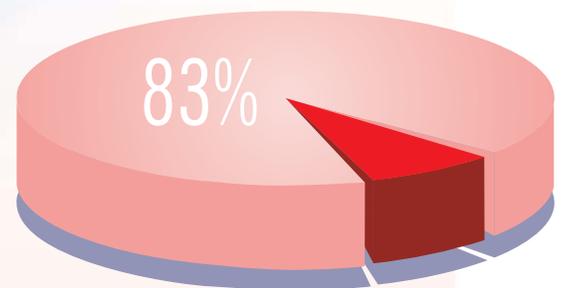


Since its introduction, Smoothbeam has proven to be an invaluable resource for practitioners, providing the perfect balance of controlled cooling of the epidermis with precise heating of the upper dermis. A balance that has consistently delivered outstanding results—for patients with acne as well as those looking to reduce fine lines and wrinkles, soften the appearance of acne scars, and treat sebaceous hyperplasia.

## MORE OF WHAT YOU AND YOUR PATIENTS ARE LOOKING FOR

Smoothbeam delivers satisfaction for practitioners and patients alike. Compact, portable, and easy to use, Smoothbeam represents an outstanding revenue source for your practice—with a return on investment few devices can match. And with Smoothbeam's proven record for safety and efficacy, it offers confidence that keeps patients coming back for more.

- Quick, non-invasive treatment
- Minimal patient downtime
- Patented Dynamic Cooling Device™ (DCD™) to cool and protect the epidermis
- A 6 mm spot size for even faster treatments
- Convenient size and easy set-up—portable, tabletop design using standard 115/230 VAC power
- Access to MyCandela.com, an exclusive marketing resource for your new laser services including Website Builder, Laser Marketing Tool Kits, Learning Center, and clinical information\*
- It's multifunctional — and with greater versatility, Smoothbeam maximizes your return on investment



83% Reduction In Acne Lesions<sup>1</sup>  
A Powerful Case For  
Using Smoothbeam  
To Treat Acne

<sup>1</sup> Paul M. Friedman, MD, Ming H. Jinh, MD, PhD, Arash Kimyai-Asadi, MD, and Leonard H. Goldberg, MD, "Treatment of Inflammatory Facial Acne Ulgaris with the 1450 nm Diode Laser: A Pilot Study," The American Society of Dermatology Surgery Inc., Blackwell Publishing, 2004; 30:147-151.

# THE RIGHT TOOL FOR DERMAL REMODELING FOR ACNE SCARRING AND WRINKLES

## The Smooth Skin Your Patients Love

Your patients want smoother, more youthful-looking skin. You want a treatment protocol you can apply with confidence. Smoothbeam meets both demands with a powerful combination of heating and cooling that minimizes discomfort while maximizing results.

## Smooth Out Acne Scars And Aging Skin

Smoothbeam remodels collagen to reduce the appearance of wrinkles and acne scars. By penetrating the upper layers only, Smoothbeam stimulates new collagen deposition and targets photodamage where it is most prevalent.

## The Patented LASR™ Process: Advanced Technology For Collagen Remodeling

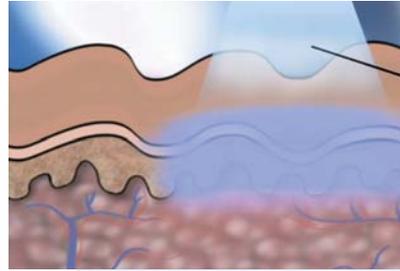
Smoothbeam's LASR (Laser Assisted Skin Renewal) process offers a new approach to skin renewal. The unique 1450 nm wavelength targets and heats water in the upper dermis, inducing a mild thermal injury to collagen. The body's natural healing response initiates the deposition of new, organized collagen— smoothing fine lines and wrinkles around the eyes and softening the appearance of acne scars.

"After a series of treatments for acne scars with Smoothbeam, every patient showed significant improvement, many times exceeding our expectations, and easily outperforming other lasers."

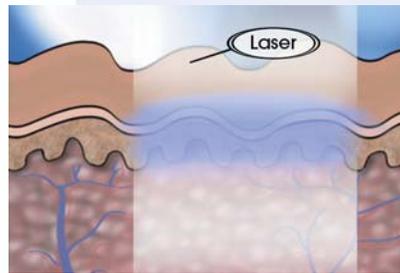
~Tina Alster, M.D. Director, Washington Institute for Dermatologic Laser Surgery

## PATENTED LASR PROCESS

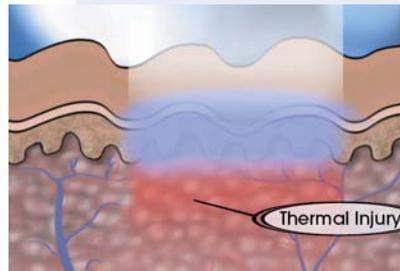
DCD localizes heat in the upper dermis, closer to the surface where the photo damage is most prevalent.



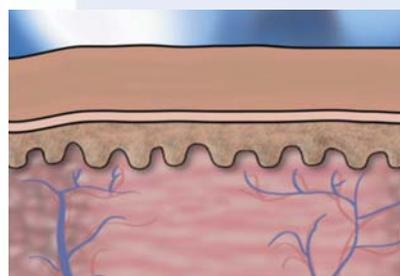
DCD first cools and protects the epidermis before the laser is fired. Automated DCD pulsing selectively cools and protects only the epidermis during and after laser exposure.



Smoothbeam's 1450 nm wavelength heats water and damages collagen in the upper dermis without affecting the epidermis.



DCD localizes heat deposition to the upper dermis, closer to the surface, for more visible results.



The body's natural healing response initiates collagen remodeling and the deposition of new, organized collagen.

## Another Non-Invasive Option For Treating Sebaceous Hyperplasia

Smoothbeam offers a non-invasive option for treating this commonly diagnosed skin condition, commonly found in middle-aged and older adults. Unlike conventional treatments that require shaving, excising, or ablation, Smoothbeam is quick and simple, and results in minimal patient downtime.

# Performance Made Possible By The Power Of Proven Technology

## The Versatility Of Two Delivery Systems

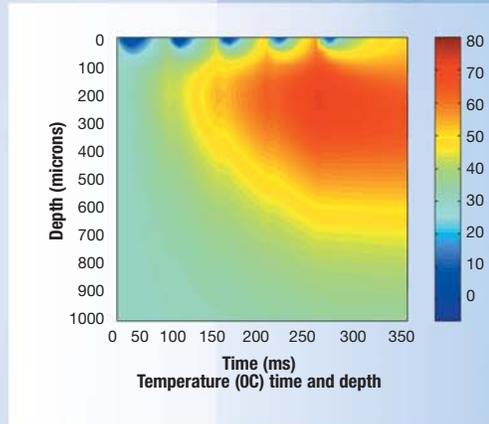
Smoothbeam's 4 mm spot size delivers higher fluences and treatment versatility that are ideal for tight anatomic areas such as the lower eyelid and around the eyes. The 6 mm spot size (2.25 times larger) allows you to cover larger areas more quickly and with fewer laser pulses—reducing overall treatment times.

## Renew Skin While Protecting It With DCD

An integral part of the LASR process, Candela's proprietary Dynamic Cooling Device (DCD) cools and protects the epidermis before, during, and after each laser exposure. Its automated delivery of cryogen ensures the ideal balance of heating and cooling, allowing Smoothbeam to deliver results with minimal patient downtime.

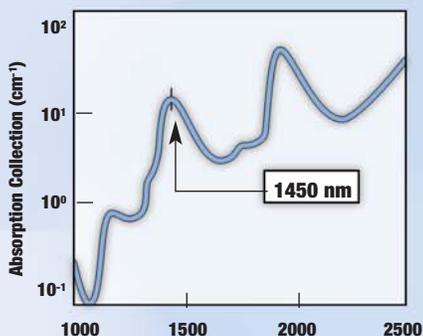


## Temperature (°C) Vs. Time And Depth



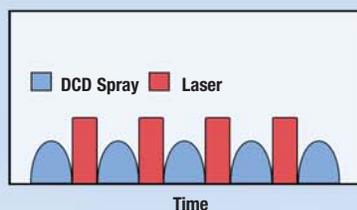
Candela's unique process enables cumulative heating of the dermis, resulting in a more gentle, non-traumatic thermal effect.

## Water Absorption Spectrum



Smoothbeam's unique 1450 nm wavelength is strongly absorbed by water, localizing heating to collagen in the upper dermis.

## Balanced Heating And Cooling



DCD's unique method of alternating cryogen spray with laser pulsing optimizes cooling and protection of the epidermis.

## Smoothbeam Accessories

### Mobile Cart

This sturdy cart is the perfect treatment platform, and also ideal for transporting Smoothbeam from room to room.

### Transportation Cases

Store and protect your Smoothbeam in a high-quality, durable, hard-shell case. Choose between metal-reinforced trunk and high-impact plastic models.



## Targeting Acne Where It Starts

Frankly, most acne treatments miss the target. Many are messy, complicated, or accompanied by potentially serious side effects, resulting in poor patient compliance and dissatisfied patients.

Smoothbeam is the one medical device that delivers powerful photothermal energy to target the root cause of acne—sebaceous hyperplasia.



Normal Sebaceous Follicle  
(note larger glandular lobes and small hair)



Acne in Sebaceous Follicle



1450 nm Laser Irradiates the Skin



Thermal Injury to Sebaceous Gland

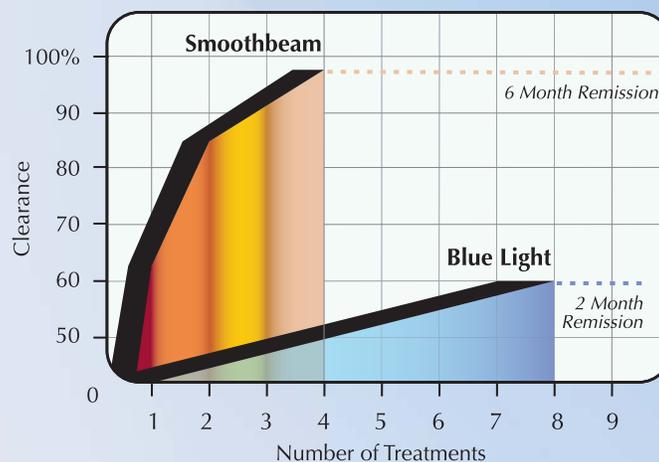
## Smoothbeam Targets The Upper Dermis To Alter The Sebaceous Glands

Unlike other “light” therapies that temporarily kill bacteria, Smoothbeam applies photo-thermal energy directly to where acne begins—the sebaceous glands. Smoothbeam employs a combination of laser light at 1450 nm and cryogen spray cooling to heat the dermis, sebaceous glands, and associated structures within the dermis—without damaging the epidermis. The thermal injury alters the structure of the sebaceous glands, the root cause of acne lesions, resulting in a dramatic and long-term reduction in acne lesions.

## Reducing Acne Lesions For Up To 18 Months<sup>2</sup>

The results speak for themselves. In just three or four treatments, patients can enjoy dramatic and long-term acne relief. In fact, studies have shown that within eight weeks of initial treatment, patients treated with the Smoothbeam lasers exhibited an 83% reduction in facial acne with a remission time of up to 18 months.

Extended  
Remission Time  
Of Up To **18**  
Months



<sup>2</sup> EADV Seminar 2004, Italy, Page 29.

## THE TECHNOLOGY YOU WANT. THE FLEXIBILITY YOU NEED.

The advanced technology of Smoothbeam is more accessible than ever thanks to Pathways—your path to unprecedented Choice, Flexibility and Value. The **choice** of a complete range of innovative technologies for optimal treatment. The **flexibility** to meet your specific needs today, then easily upgrade as you expand your practice. The **value** that comes from cost-effectively growing your business—step-by-step, with the leader in medical and aesthetic lasers.

To learn more about Pathways, visit Candela at [www.candelalaser.com/pathways.asp](http://www.candelalaser.com/pathways.asp) or call 1-800-821-2013.

## SMOOTHBEAM SPECIFICATIONS

Laser Type:	Diode
Wavelength:	1450 nm
Repetition Rate:	1 Hz
Delivered Fluence:	8-25 J/cm <sup>2</sup>
Pulse Duration:	210 ms
Spot Sizes:	4 mm, 6 mm
Dynamic Cooling Device:	Integrated-Spray Duration Control/Canister Counter
Dimensions:	17" H x 22" W x 20" D (43 cm x 56 cm x 52 cm)
Weight:	40 lbs (18 kg)
Electrical:	115/230 VAC 50/60 Hz



CHOICE

FLEXIBILITY

VALUE



Smoothbeam is FDA cleared for the treatment of periorbital wrinkles, back acne, atrophic acne scars and sebaceous hyperplasia.

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