

# Profound®

Masterfully rebuilds  
the skin matrix

Single treatment RF microneedling  
for facial wrinkles



 **CANDELA™**  
Science. Results. Trust.



# As we age... skin loses its elasticity

## Facial wrinkles increase

### 3 key reasons why<sup>4</sup>:



Collagen levels  
decrease  
every year



Elastin  
production  
stops



Hyaluronic  
acid  
diminishes

### Patients seek treatments that:

- Are less painful and invasive than surgery
- Offer an alternative to your existing treatment regimen
- Require more manageable downtime

The Profound<sup>®</sup> system provides a nonsurgical alternative to address aging skin: Using radiofrequency (RF) injectable energy, it provides lasting facial wrinkle reduction.<sup>2,3</sup>

### Profound can help your practice:



Fill the treatment gap that exists  
between dermal injectables and  
invasive surgery



Retain existing patients who are  
not ready for surgical procedures



Adopt new patients in  
advance of surgery



Increase revenue with  
complementary treatments  
and future procedures

The Profound system enhances aesthetics practices by providing a clinically proven, nonsurgical, single-treatment procedure<sup>1-3</sup> that requires less practice expense and patient downtime than more invasive treatments.

# The Profound system — a class above the rest

6 Reasons to introduce the Profound system into your practice



**ONLY FDA-CLEARED, REAL-TIME TEMPERATURE-CONTROLLED** device that delivers long pulses of RF energy<sup>2</sup>

Clinically proven to create all 3 skin fundamentals—**UP TO 5x ELASTIN, UP TO 2x COLLAGEN, AND INCREASED HYALURONIC ACID**<sup>1,5</sup>

**FIRST AND ONLY** RF microneedling device FDA cleared for both face and body<sup>2</sup>

**1 NONSURGICAL TREATMENT** required to achieve lasting results<sup>2,3,5,6</sup>

**100% RESPONSE RATE** for facial wrinkles<sup>3,a</sup>

**PROVEN IN 8** comprehensive **CLINICAL STUDIES**<sup>7</sup>



The Profound treatment reduces the signs of aging to create younger-, smoother-looking skin.<sup>2,3,5</sup>

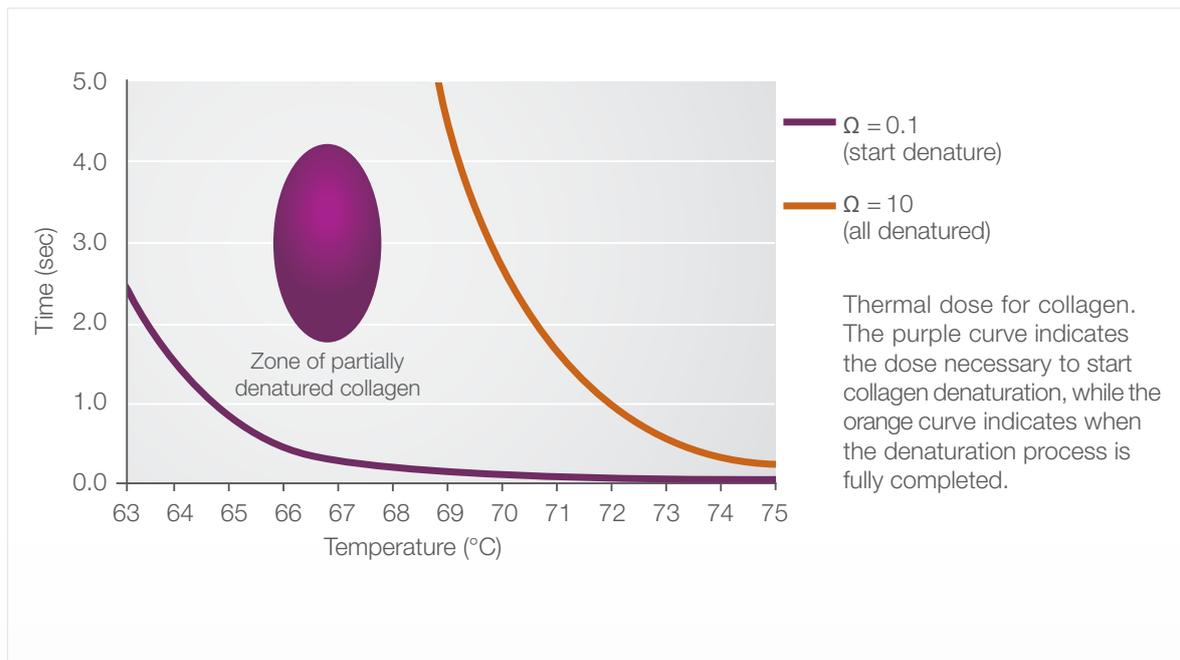
<sup>a</sup>Data on file. Individual results may vary. MGH, Massachusetts General Hospital.



# Achieve real-time temperature control for predictable results<sup>2,3,5,6,8</sup>

Partially denaturing collagen stimulates wound healing for up to 5x the elastin, up to 2x the collagen, and increased hyaluronic acid.<sup>1,3,5,6</sup>

Precise skin temperature and time at temperature (real-time) is critical in controlling collagen denaturation<sup>3,8</sup>



Adapted from Alexiades M, Berube D. Randomized, blinded, 3-arm clinical trial assessing optimal temperature and duration for treatment with minimally invasive fractional radiofrequency. *Dermatol Surg.* 2015;41(5):623-632.

The optimal dermal temperature to partially denature collagen is 67°C for a duration of 3 to 4 seconds.<sup>6</sup>



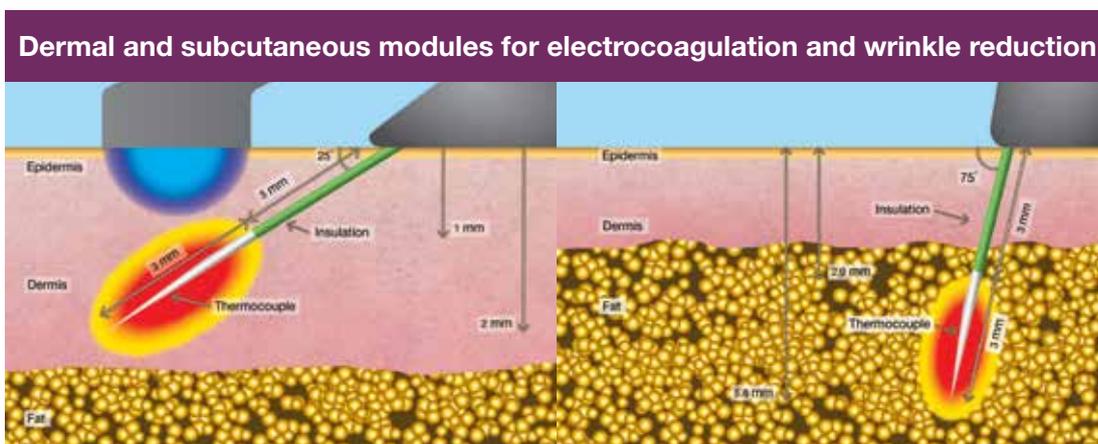
The Profound system is the only RF microneedling device to reach optimal temperature conditions required to partially denature tissue.<sup>2,3,8</sup>

# Scientifically designed to regenerate and remodel tissue<sup>1,5,8</sup>

Only the Profound system has unique temperature sensors in the microneedles for precise fractionated injury that partially denatures collagen and stimulates an anabolic wound healing<sup>1,3,8,9</sup>



How the Profound system works



- 1 5 pairs of electrically isolated 32-gauge microneedles penetrate 1.0 mm to 2.0 mm deep into the dermal layer
- 2 Bipolar RF energy delivered to deep reticular dermis provides thermal damage to dermis without thermal impact on epidermis
- 3 25° needle insertion angle ensures more tissue coverage

- 1 7 pairs of electrically isolated 32-gauge microneedles penetrate 2.9 mm to 5.8 mm deep into the subcutaneous layer
- 2 Bipolar RF energy targets deeper skin layers to coagulate and remodel the tissue
- 3 75° needle insertion angle ensures deeper penetration of subcutaneous layer

The Profound system delivers outcomes that your patients want and your practice needs.

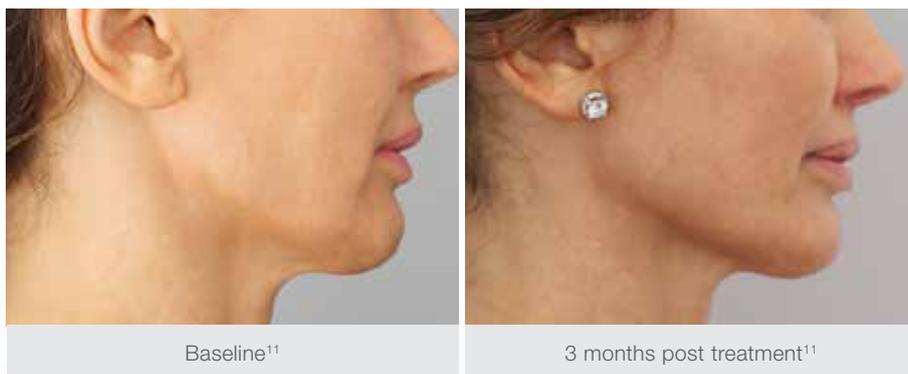


# The Profound treatment— 100% response rate in facial wrinkle

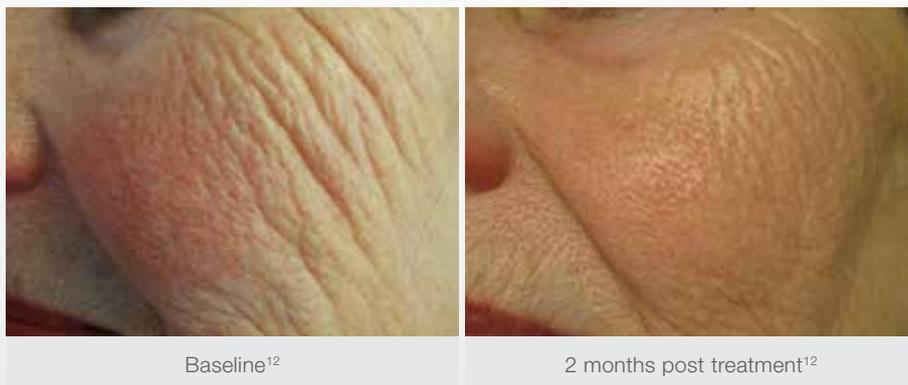
Creates younger-, smoother-looking skin with only 1 nonsurgical treatment<sup>3,5,a,b,c</sup>



Photos courtesy of David de Jongh, MD. Photos are unretouched.  
Non-study patient treated with the Profound system; individual results may vary.



Photos courtesy of Nima Naghshineh, MD. Photos are unretouched.  
Non-study patient treated with the Profound system; individual results may vary.



Photos courtesy of Steve Eubanks, MD. Photos are unretouched.  
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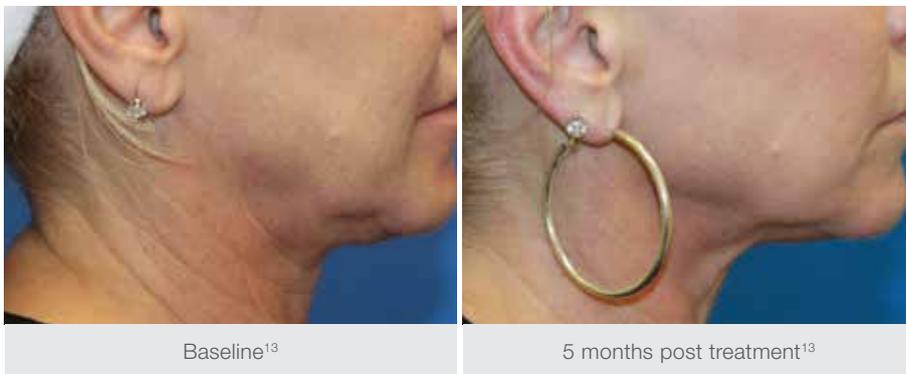
<sup>a</sup> Data on file. Individual results may vary.

<sup>b</sup> Post-procedure edema and bruising varied from mild to severe; patients were able to mask bruising with makeup and adverse events resolved in approximately 7 days

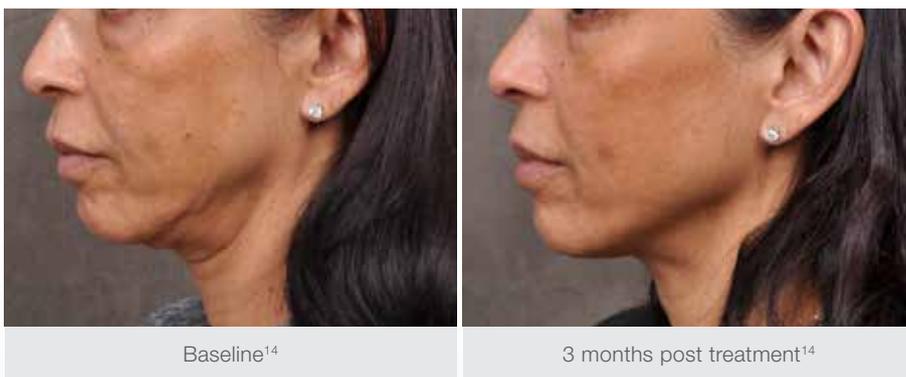
<sup>c</sup> While patients may return to normal activities within 24 hours after treatment, it is important to communicate to patients in advance about the potential social downtime.

# The Profound treatment—proven to create all 3 skin fundamentals<sup>2,a,c</sup>

Naturally stimulates your body to produce the 3 building blocks of younger-looking skin: elastin, collagen, and hyaluronic acid.<sup>2,13-15,a,b,c</sup>



Photos courtesy of Kevin Keller, MD. Photos are unretouched.  
Non-study patient treated with the Profound system; individual results may vary.



Photos courtesy of Ben Talei, MD. Photos are unretouched.  
Non-study patient treated with the Profound system; individual results may vary.



Photos courtesy of Nima Naghshineh, MD, MSc. Photos are unretouched.  
Non-study patient treated with the Profound system; individual results may vary.

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# Masterfully rebuilds the skin matrix

by creating up to 5x the elastin, 2x the collagen, and increased hyaluronic acid.<sup>1</sup>

One device. Multiple benefits.

DESIGN FEATURE	TECHNOLOGY BENEFIT AND VALUE
Bi-polar, fractional RF injectable energy delivery system	Energy-based treatment that delivers 100% response rate in a single, nonsurgical treatment <sup>3,a</sup>
Temperature sensors in the microneedles	Creates a precise fractionated zone of thermal injury within the dermal tissue <sup>9</sup>
Real-time temperature control and feedback algorithm	Ensures the optimal time-temperature target is consistently reached to partially denature collagen and deliver up to 5x the elastin, 2x the collagen, and increased hyaluronic acid. <sup>1,3,9,10</sup>
Dermal and subcutaneous tip modules	Induces ne elastogenesis and neocollagenesis to treat facial wrinkles <sup>1,5</sup>
Preset treatment parameter with color touch screen console	Maintains optimal control to ensure consistent treatment
Ergonomic, single-button handpieces to treat multiple locations	Provides lightweight, guided insertion for all levels of experience
Requires only 1 treatment <sup>3</sup>	Positive outcomes without worry that patient will return for follow-up <sup>a</sup>

## Profound®

For more information about how the Profound system may help achieve your practice goals, visit us online at [candelamedical.com](http://candelamedical.com).

<sup>a</sup>Data on file. Individual results may vary.

1. Hantash BM, Ubeid AA, Chang H, Kafi R, Renton B. Bipolar fractional radiofrequency treatment induces ne elastogenesis and neocollagenesis. *Lasers Surg Med.* 2009;41(1):1-9. 2. Profound 510(k) clearance (K161043), September 2016. 3. Alexiades-Armenakas M, Newman J, Willey A, et al. Prospective multicenter clinical trial of a minimally invasive temperature-controlled bipolar fractional radiofrequency system for rhytid and laxity treatment. *Dermatol Surg.* 2013;39(2):263-273. 4. Howard D. Structural changes associated with aging skin. The International Dermal Institute website. [http://www.dermalinstitute.com/us/library/11\\_article\\_Structural\\_Changes\\_Associated\\_with\\_Aging\\_Skin.html](http://www.dermalinstitute.com/us/library/11_article_Structural_Changes_Associated_with_Aging_Skin.html). Accessed August 31, 2018. 5. Willey A, Kilmer S, Newman J, et al. Elastometry and clinical results after bipolar radiofrequency treatment of skin. *Dermatol Surg.* 2010;36(6):877-884. 6. Alexiades M, Berube D. Randomized, blinded, 3-arm clinical trial assessing optimal temperature and duration for treatment with minimally invasive fractional radiofrequency. *Dermatol Surg.* 2015;41(5):623-632. 7. Candela, data on file. 8. Berube D. Real-time temperature feedback for clinical reproducibility: the mechanism of action of Profound. 2015. Candela, data on file. 9. Alexiades-Armenakas M, Rosenberg D, Renton B, Dover J, Arndt K. Blinded, randomized, quantitative grading comparison of minimally invasive, fractional radiofrequency and surgical face-lift to treat skin laxity. *Arch Dermatol.* 2010;146(4):396-405. 10. de Jongh D. Profound before and after photos. Candela, data on file. 11. Naghshineh N. Profound before and after photos. Candela, data on file. 12. Eubanks S.. Profound before and after photos. Candela, data on file. 13. Keller, K. Profound system before and after photos. Candela, data on file. 14. Talei, B. Profound system before and after photos. Candela, data on file.