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Designed with input from leading dermatologists, the excel V+ delivers the power, precision and performance to safely treat indications ranging from common skin concerns to challenging vascular and pigmentary conditions.

Featuring two clinically proven wavelengths, large spot sizes up to 16mm, and higher energy, excel V+ gives you the power to expand your treatment capabilities.

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For Patients Who Deal With Rosacea, Cutera Excel V+ Lasers Offer Excellent Results

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Background

Rosacea is a chronic facial skin disorder that usually presents with redness and/or flushing. Although rosacea symptoms typically come and go, they often become more persistent over time and can lead to facial swelling, pimples or pustules, and visible blood vessels. According to the National Rosacea Society, 450 million people worldwide are affected by rosacea, yet only a small number of those affected get treatment.¹ Cosmetic laser treatments can dramatically improve the redness and quality of the skin – restoring patients' sense of self-worth and attractiveness.

Features and triggers

While rosacea has no cure and the cause is unknown, factors including genetics, an immune system response to a bacterium, Demodex, or cathelicidin may be contributing factors to rosacea.²

The features of rosacea are often categorized in four stages: pre-rosacea with symptoms of frequent flushing, stage 1 and stage 2 with increasing and more persistent erythema and skin sensitivity, followed by stage 3, which manifests in large inflammatory nodules, tissue hyperplasia and rhinophyma.³

Rosacea is often exacerbated by factors such as extreme temperature, emotional stress, physical exercise, certain foods and alcohol; thus, impacting the quality of life for affected individuals.⁴ In surveys conducted by the National Rosacea Society, seventy-six percent of rosacea patients reported that the condition lowered their self-confidence and self-esteem and seventy-five percent of individuals said the disorder had adversely affected their professional interactions.^{5,6}

The treatment of rosacea

Rosacea is managed primarily with the aid of oral and topical therapies. However, laser treatments can offer an effective method for improving the appearance of the visible symptoms of rosacea, including redness and flushing, visible blood vessels, and in severe cases, pustules.

Cutera's Excel V+ laser is among the most advanced vascular lasers on the market. By delivering two clinically proven laser wavelengths, 532 nm and 1064 nm, Excel V+ can address more than 20 treatment indications. The versatility of Excel V+ is pivotal for a dermatology practice. It features a high-powered 532 nm laser, and a large 16 mm spot size which allows for faster treatments on the face. The Excel V+ also features the Dermastat handpiece, a small 2 mm spot size handpiece, that facilitates the tracing of small vessels and lesions, especially around the nose for very targeted treatments.

The Excel V+'s integrated contact cooling is one of the most powerful cooling systems in any cosmetic laser and provides pre-, parallel, and post bulk cooling to increase the comfort as well as the safety and effectiveness of the treatments. The sapphire tip cooling can be adjusted from 5-20 °C, depending on the indication being treated.

The 1064 nm laser is particularly effective in the treatment of deeper blood vessels and vascular concerns that are often present with severe cases of rosacea. Additionally, the 1064 nm wavelength can be used for Cutera's signature Laser Genesis procedure, as well as to treat veins in the legs, venous lakes, venous malformations, and port-wine stains. The 1064 nm laser is also capable of treating hemangiomas and facilitating the resolution of bruising, laser hair removal, active acne, and acne scarring.

Cutera's 1064 nm wavelength can also be found on the Xeo device, a multi-application platform that offers practices the ability to treat a range of indications with both laser and light-based modalities.

My approach to rosacea

When treating severe rosacea, I rely on both the 532 and 1064 nm laser wavelengths of the Excel V+. My go-to settings for the Excel V+ for background erythema are 10 mm, 8-9 J/cm², 8-10 ms with a cooling of 5 °C. Depending on the severity of their conditions, patients typically require a series of 2-4 treatments. A transient violaceous hue of the blood vessels is a reliable endpoint after a treatment. With the efficient cooling, very little swelling is seen for most patients.

For patients presenting with early stages, or less severe cases, of rosacea, the 1064 nm Laser Genesis procedure can be utilized to target the microvasculature in the skin. It offers a safe, no downtime solution and can be performed on all skin types.

Excel V+ provides the necessary wavelengths and versatility to effectively treat rosacea. Along with topical and oral therapies for rosacea, lasers play a key role to aid in the rapid resolution of the visible signs and symptoms of rosacea. I often start patients on oral or topical therapies, recommend appropriate lifestyle modifications, and then offer lasers to help with visible signs of rosacea. More often than not, they are happy to learn about these treatments and to start them (figures 1-3).



Figure 1.



Figure 2.



Figure 3.

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