

A New Approach to Treating Vascular Skin Conditions

Millions of Americans are affected by vascular skin conditions, such as rosacea, spider veins and telangiectasia, which can cause unsightly broken blood vessels, discoloration and lesions to appear on the skin of the face and legs. People affected by these skin conditions often report embarrassment or self-consciousness, which can deter them from joining social occasions or even going out in public. While much progress has been made in identifying the causes of these conditions, treatment options have been largely limited to procedures that incur adverse side effects on patients, such as electrosurgery, sclerotherapy and surgery.

Excel V is a new approach to treating vascular skin conditions that puts patients' safety and comfort first. The system uses a unique high power green laser that is absorbed by abnormal blood vessels in the skin. The laser heats and eliminates the abnormal vessels, ultimately restoring normal skin tone and color. Excel V can be customized to each patient's skin condition, enabling precise and effective treatment of everything from superficial blemishes to deep scars. The system leverages innovative cooling technologies to ensure patient comfort, and there are no long-term side effects or downtime.

Common Conditions Treated With Excel V

Rosacea

Rosacea is a common disorder that mainly affects skin on the face. While it is typically characterized by harmless cosmetic symptoms, such as redness in the face, some patients also complain of heating or discomfort when they flush. Triggers of rosacea episodes can include strenuous exercise, temperature extremes, alcohol and spicy foods.

Leg Veins

Leg veins are dilated vessels that range from large veins to small telangiectasias. Other non-laser treatment of leg veins typically involves sclerotherapy, a procedure in which a liquid is injected into the damaged vessels to harden and destroy the vessel wall. Excel V can treat leg veins up to 4mm in diameter.

Cherry Angioma

Cherry Angiomas are small red bumps that appear spontaneously on the skin. They typically appear in middle age and will proliferate. Non-laser treatment of cherry angiomas includes cryosurgery and electrosurgery.

Telangiectasia

Telangiectasias are tiny broken blood vessels that are permanently fixed in the dilated state. While they usually do not present a medical issue, they do create a cosmetic concern as they can take on the appearance of fine red lines coursing through the surface of the facial skin.

Port Wine Stain

A port wine stain is a type of red or purple birthmark made of dilated blood capillaries. They often appear on the face and do not fade unless they are treated. Non-laser treatment of port wine stains has included radiation, freezing and surgery, often resulting in pain and scarring.

Excel V Before & After Photos

Diffuse Redness (Rosacea)



Photos courtesy of Christine Lee, MD

Resistant Pink Port Wine Stain



Photos courtesy of Whitney Tope, MD



Excel V System Overview

The Excel V laser system is engineered to deliver effective treatment of the broadest range of vascular conditions in a single system. Its state-of-the-art design enables precise customization of treatment parameters and includes a well-designed handpiece and a contact cooling system to improve both patient and physician experience.

System Feature	Intended Benefit
Three Laser Modes (532 nm; 1064 nm; micropulse 1064 nm)	Enables physicians to treat more vascular conditions, from small superficial vessels to large vascular lesions
Agile Handpiece	Ergonomic, lightweight design ensures easy maneuverability and allows longer treatment cycles with less physical stress
	Provides unobstructed view of treatment area
	Three meter handpiece cord allows easy access to patient without having to move system console
Contact Cooling	Continuous cooling before, during and after laser pulse to protect skin and ensure patient comfort
Adjustable Spot Size	Unmatched range of spot sizes from 2 to 12 mm in 0.1 mm increments enables physicians to precisely match treatment to the target vessel
State-of-the-Art Design	Real-time calibration allows treatment parameters to be adjusted on-the-fly
	System start-up time less than 30 seconds
	Engineered to operate cool, quiet and hassle-free