



SKIN & BEAUTY CENTER
Cosmetic, Medical and Surgical Dermatology

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Vbeam Laser

How does the Vbeam Laser remove redness?

The Vbeam laser light penetrates the skin and is absorbed by the red pigment in these small blood vessels. This absorption results in heat and the heat coagulates the vessel. Because it is now shrunken and no longer carries blood, the redness goes away.

- * Rosacea - controls flushing and redness by sealing tiny veins.
- * Scars - removes red from acne scars, injury scars or red surgical scars.
- * Facial veins - enlarged & broken veins on the cheeks and the nose.
- * Leg veins - quickly zaps close-to-the-surface spider veins.
- * Red birthmarks - hemangiomas and port wine stains.
- * Poikiloderma of Civatte - diminishes uneven coloring of the neck.
- * Stretch marks - helps blend new stretch marks that are still red.
- * Angiomas - removes the tiny red spots that can appear anywhere on the body.
- * Venous lakes - helps shrink the dark blue vascular "bubble" on the lip, face or ear.
- * Periorbital wrinkles - spurs collagen re-building around the eyes

What's causing the redness in my skin?

Redness is caused by broken or inflamed small blood vessels called capillaries. This redness shows through the epidermis and draws attention to acne scars, Rosacea, spider veins on your legs and the tiny broken veins on your face called telangiectasia.

How does the Vbeam work?

Vbeam works by the absorption of laser light by a "target." In the case of acne scarring, this target is the tiny inflamed and broken blood vessel groupings left after an acne lesion has healed. In most people who have experienced moderate to severe acne this redness persists for months to over a year and is the cause of great distress.

The small vessels are heated to a high enough temperature to cause coagulation. They then close off, shrink and eventually are absorbed by the body. To protect the skin while still allowing the laser light to penetrate to the target vessels, the Vbeam incorporates a special cooling device.

Will my skin be cut or raw?

The Vbeam, made by the well-known Candela Corporation, is a "non-ablative" laser. This is an important distinction. Non-ablative lasers do not affect the top layer of the skin (the epidermis) but actually do their work at deeper levels where the source of the problem lies. There is no cutting, no burning and no removal of skin as with ablative lasers.

What about pain?

The sensation you have when undergoing a Vbeam laser treatment is similar to the feeling you get from having a rubber band snapped against your skin. Some patients describe it as a "pinch." Vbeam uses a patented system called "DCD," Dynamic Cooling Device, that instantly hyper-cools the skin surface before the laser beam is activated. This makes the treatment more comfortable and protects the epidermis. Your doctor goes to great lengths to make any treatment you have as comfortable for you as possible.