

Dye-VL Delivers Advanced Solution to Skin Problems



David J. Goldberg, M.D., J.D.
Dermatologist
Director
Skin Laser & Surgery Specialists of NY/NJ
New York, NY



Before Tx



Two months after three Dye-VL treatments
Photos courtesy of Alma Lasers



Before Tx



One month after three Dye-VL treatments
Photos courtesy of Alma Lasers

By Jeffrey Frentzen, Executive Editor

When treating pigmented and vascular lesions, the Dye-VL light-based aesthetic device from Alma Lasers, Ltd. (Caesarea, Israel) offers practitioners a highly efficacious treatment modality. Working via the company's Harmony XL® Pro platform, the Dye-VL handpiece utilizes 500 nm to 600 nm wavelengths, enabling physicians to target only the melanin in pigmented lesions or blood vessels, as well as close off the blood vessel and remove the appearance of small veins from the skin. A series of filters control what wavelengths are permitted during treatment.

"I generally felt that laser systems, because of their greater wavelength specificity, were better technologies than most intense pulsed light (IPL) systems," said David J. Goldberg, M.D., J.D., a dermatologist and director of Skin Laser & Surgery Specialists of NY/NJ (New York, N.Y.). "The Dye-VL system is designed with a narrow band of wavelength emission. With that in mind, in many ways it is very similar to a laser."

"The Dye-VL addresses a wide-range of indications," Dr. Goldberg continued, "Including facial redness, rosacea, telangiectases, lentigines, as well as overall photodamage."

It can also treat hemangioma, rosacea, angiomas and venous malformations. During this process, the unit employs an advanced form of pulsed light (IPL) called Advanced Fluorescence Technology (AFT), which utilizes a fluorescence filter to convert ultraviolet rays into a spectrum that optimizes the therapeutic emission of light while reducing the fluences that are typically used.

Energy can penetrate the subsurface skin layers without harming the

epidermis and is absorbed by the target blood vessels or pigmentation. "It is a highly efficient way of producing light-based energy," Dr. Goldberg advised. "The therapeutic effect of using the 500 nm to 600 nm wavelength range is similar to KTP and PDL lasers, so it is highly efficacious."

A recent study co-authored by Dr. Goldberg and presented at the *American Academy of Dermatology (AAD) 2015* annual meeting, compared the single band Dye-VL with a competing dual band handpiece. According to the report, the Dye-VL pulsed light treatments yielded results that were comparable to dual band technology. However, single band pulsed light treatments could be more selective and safer due to the use of lower fluences, the study determined.

"Both systems were safe and improved overall photodamage," Dr. Goldberg concluded. "However, because of the Dye-VL's focus on visible wavelengths, we saw better results in the treatment of facial lentigines and telangiectases."

To aid in patient well being, the Dye-VL tip utilizes Alma's exclusive IN-Motion™ technology that applies a more gradual heat delivery system, and notably reduces discomfort during a procedure. "There's no downtime and discomfort is minimal because of contact cooling of the Dye-VL tip," Dr. Goldberg shared, who characterized overall patient satisfaction as, "Very high."

He also described physician / practice return on investment (ROI) as high. "Facial photodamage is one of the most common aesthetic issues we deal with every day," he stated. "This technology is highly effective with great patient satisfaction, and there are no consumables."