

# Users Find Gemini's Dual Wavelengths and Large Spot Size Extremely Versatile

By Bob Kronemyer, Associate Editor

The Gemini laser system from Laserscope (San Jose, Calif.) is establishing an impressive reputation for the power of its 532 nm KTP and 1064 nm Nd:YAG lasers when used individually or combined. Whether treating specific lesions or general cosmetic indications, physicians appreciate having access to a full 10 mm spot size for both wavelengths.

**Arielle Kauvar, M.D.**, a clinical associate professor of dermatology at New York University School of Medicine in New York City, noted that Laserscope took a major step forward when it developed the engine that allows the Gemini's 532 nm KTP side to produce an impressive amount of power through its 10 mm spot. "This large spot size allows you to deliver sufficient power for blood vessel coagulation and painting in broad areas quickly," Dr. Kauvar said.

The two conditions Dr. Kauvar most frequently treats with the Gemini are rosacea associated telangiectasia and erythema, and poikiloderma of the neck and chest. For both indications, two to four treatment sessions at one month intervals with the KTP compo-

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nent are typically recommended. "Patients can expect 50% to 90% improvement," Dr. Kauvar said. "I used to use two separate lasers to treat individuals with rosacea – a 532 nm laser and a long-pulsed dye laser. But with the Gemini, you can actually achieve the same results by using the large 10 mm spot size. The Gemini is also an excellent modality for helping acne patients."

**One-stop shopping** is the most appealing feature of the dual-wavelength Gemini laser system, according to



Arielle Kauvar, M.D.

Oscar Hevia, M.D., a dermatologist in private practice in Coral Gables, Fla. "When you walk into the treatment room, you have all the various 532 nm KTP capabilities and all the various 1064 nm Nd:YAG capabilities. The vast majority of dermatologic conditions encountered by the typical dermatologist can be effectively treated."

Dr. Hevia primarily uses the Gemini for skin rejuvenation. He begins treatment with the 532 nm KTP to "paint the face, if you will, at 2.4 Hz with a 10 mm spot

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size. This allows me to cover the face in less than two minutes. I then switch over to the YAG mode at about 2 Hz, again with the option of using the 10 mm spot size. The YAG treatment also takes only one to two minutes." Sessions are usually scheduled once a month for six months. "After completing a series of treatments, patients see an improvement in their skin turgor. Their skin is a little smoother and their pores are somewhat smaller," said Dr. Hevia, an assistant volunteer professor of dermatology at the University of Miami.

**Dr. Hevia also** treats pigmented lesions and vessels with the Gemini. "I like that I can use a 10 mm spot to treat the sides of the nose, like the alar vessels, with the KTP component. Treatment using



Oscar Hevia, M.D.

a 532 nm laser with a 10 mm spot provides you with slightly deeper penetration of the beam. As a result, there is more complete coagulation of the vessels. In my opinion, this is the most effective treatment for alar vessels." The Gemini also has a range of spot sizes to target even the smallest vessels. "My favorite setting for the 2 mm spot size is 22 J/cm<sup>2</sup> at 18 ms," said Dr. Hevia. "Overall, the Gemini is convenient and profitable. It is a very cost-effective laser." ■