

# CuRAS Combination Laser Removes Pigmented Lesions, Lentigines and More



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Melasma and solar lentigines before treatment  
Ten days after one CuRAS treatment  
Photos courtesy of Professor Cemal Tahsin Gökür Senyuva, M.D.



Solar lentigines before treatment



Four months after one CuRAS treatment  
Photos courtesy of Cemal Tahsin Gökür Senyuva, M.D.

By Anthony J. Varro, Contributing Editor

Featuring dual 1064 nm / 532 nm wavelengths and three handpieces, the CuRAS advanced Q-switched laser system from Ilooda (Suwon, South Korea) provides optimal performance for a broad range of applications.

As Professor Cemal Tahsin Gökür Senyuva, M.D., owner of the Istanbul Center (Senyuva Saglik Hizmetleri) in Istanbul, Turkey, expressed, "This Q-switched Nd:YAG laser system provides an efficient treatment for age or solar related lentigines and pigmented lesions, as well as reduction of pores. While the 1064 nm Nd:YAG laser can be used for pigmented dermal lesions, pore reduction and skin rejuvenation, the 1064 nm / 532 nm combination is an effective choice for solar lentigines."

Over the years, "Various methods – topical creams, bleaching agents, trichloroacetic acid peels, local dermabrasion and cryotherapy – have been used for treatment of solar lentigines," Prof. Senyuva explained. "All of these modalities have different efficiencies and unpredictable results. Conversely, treatment of solar lentigines with CuRAS allows operators to achieve a very high response rate, even after a single session."

When undergoing treatment for pigmented lesions caused by aging or sun exposure, including melasma, Prof. Senyuva pointed out that patients with lesions smaller than 1 cm in diameter need no anesthesia. Immediately after treatment, patients experience white blanching over the treatment area, followed by transient hyperpigmentation, which typically dissolves after three to five days. "We also recommend that patients use moisturizers after treatment."

Prof. Senyuva uses the carbon peeling application (performed with an 8 mm fixed-spot handpiece) for soft peels to

reduce the size of pores, especially those in the frontal, glabellar and malar areas. "This non-ablative approach requires no anesthesia and only takes six to eight minutes, depending on the target area. After treatment, patients experience no downtime. Hyperemia may occur in patients with sensitive skin, but usually resolves after ten minutes. Patients do not require any special skincare after carbon peeling."

After either carbon peeling or treatment of pigmented lesions, patients require a follow-up appointment to assess the procedure's effectiveness, Prof. Senyuva advised. At the follow-up appointment, "We take clinical photos for comparison to pretreatment photos."

Additional CuRAS indications include tattoo removal, nevus of Ota, café au lait spots and post-inflammatory hyperpigmentation. The device's PTP mode divides high peak energy into twin pulses with short intervals for faster and safer applications, reducing the risk of pain during treatment, and side effects after.

Users can adjust the spot size of the Zoom handpiece from 2 mm to 10 mm simply, in 1 mm increments, which allows selection of the appropriate spot size for efficient treatments. An optional fractionated handpiece reduces pain and side effects by decreasing thermal damage in the dermis, allowing for quicker healing and recovery. CuRAS also includes an auto-calibration function, which guarantees precise, stable energy with a uniform beam profile, even with long-term use.

In Prof. Senyuva's experience, fast, painless, complication-free treatments with little to no downtime make patients comfortable, "And with its ergonomic handpiece and user-friendly interface, CuRAS also ensures operator comfort."

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## Advanced Q-switched Nd:YAG

# CuRAS

Advanced Q-switched Nd:YAG laser system, CuRAS provides the optimal performance for the treatment of tattoos, melasma, non-ablative resurfacing and pigmented lesions. Furthermore, its dual wavelengths, 1064/532nm with 3 different hand pieces allow physicians to select a wide range of applications to each of patient's need increasing the effectiveness of the treatment.



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