Diode laser safe, effective for treating facial skin laxity

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Nataya Voravutinon, M.D., from the Ministry of Public Health in Bangkok, Thailand, and colleagues examined the efficacy and safety of an 810- and 940-nm diode laser for treating facial skin laxity. The authors enrolled 30 patients in the study, with facial skin laxity grading scale II to IV. Patients underwent four treatment sessions over three-week intervals.

The researchers identified significant improvement in laxity of facial skin with the Cutometer MPA 580 F3 and R7 parameters at one and three months after complete treatment, respectively. At one and six months after treatment, physician assessment showed significant improvement in the laxity scale. Mild pain or minor adverse events were reported by approximately 10 percent of patients. Patient satisfaction was high, with 98 percent of patients expressing satisfaction with treatment.

"In conclusion, our study suggests that a diode laser (810 and 940 nm) is safe and may be an effective treatment for facial skin tightening," the authors write. "Maintenance treatment every two to three months may be the optimum interval for maintaining the results."

More information: Abstract
Full Text (subscription or payment may be required)