

93

LONG PULSED Nd:YAG 1064 nm LASER AND SCLEROTHERAPY IN LEG VEIN TREATMENT: A COMPARISON STUDY

Jean Luc Levy and Chantal Elbhar

Centre Laser Dermatologique, Marseille, France

Purpose: To Investigate the safety and efficacy of pulsed 1064 nm Nd:YAG laser for leg vein clearance with or without combination with sclerotherapy.

Method: Thirteen subjects with blue leg veins >1 mm diameter.

4 sites on each subject were selected for study.

Site 1: is to determine one session laser alone.

Site 2: is to determine one session sclerotherapy alone

Site 3: is to determine effect of combined one session laser followed 3 weeks after by one session sclerotherapy with Polidocanol* (Kreussler Pharma, Paris, France).

Site 4: is to determine effect of combined one session sclerotherapy followed 3 weeks after by one session laser.

Laser treatment performed using the Nd:YAG (smartepil LS, Deka, Ellen, Italie) 10 msec pulse duration, a 2.5 mm spotsize, fluence ranging from 100-125 J/cm² without cooling.

Sclerotherapy was achieved with 0.5% Polidocanol.

The vessels in each test site is photographed under standardized conditions using digital imaging in vertical positions with Fotofinder* (Teachscreen, Griesbach, Germany)

Comparison of results with the pre-treatment photos allowed grading of efficacy on a quartile scale (0-25% = poor, 26-50% = fair, 51-75% = good, 76-100% = excellent) at 2 months after the treatment of the four sites.

Results: On the 4 sites, clearance shows no statistical significance difference between treatments.

(p = 0.346). However when, sclerotherapy follows laser Nd:YAG, results seems to be better results. Only hyperpigmentation was observed in 16 test sites (31%).

We conclude, that sclerotherapy retains today the gold standart for leg veins as first techniques. Sclerotherapy and lasers are complementary techniques for resistant leg veins.

U.1

COMPARISON OF 1064 nm AND 1320 nm LASER SYSTEMS FOR THE MINI-ABLATIVE TREATMENT OF AKEROSIS

Ono Yukihiro, Jerome M. Gardner

Abigail E. Baker, and Mark C. Yip

The efficacy of 1064 nm and 1320 nm Nd:YAG laser systems for the treatment of actinic keratosis was compared. The 1064 nm laser system was found to be more effective than the 1320 nm laser system in the treatment of actinic keratosis. The 1064 nm laser system was found to be more effective than the 1320 nm laser system in the treatment of actinic keratosis. The 1064 nm laser system was found to be more effective than the 1320 nm laser system in the treatment of actinic keratosis.

Results: The 1064 nm laser system was found to be more effective than the 1320 nm laser system in the treatment of actinic keratosis. The 1064 nm laser system was found to be more effective than the 1320 nm laser system in the treatment of actinic keratosis. The 1064 nm laser system was found to be more effective than the 1320 nm laser system in the treatment of actinic keratosis.

Conclusion: The 1064 nm laser system was found to be more effective than the 1320 nm laser system in the treatment of actinic keratosis. The 1064 nm laser system was found to be more effective than the 1320 nm laser system in the treatment of actinic keratosis. The 1064 nm laser system was found to be more effective than the 1320 nm laser system in the treatment of actinic keratosis.

Conclusion: There is no significant difference in the efficacy of 1064 nm and 1320 nm Nd:YAG laser systems for the treatment of actinic keratosis.

U.2

EXTENDED PULSE DURATIONS FOR LASER AND ITO EFFECTS ON THERAPEUTIC EFFICACY

David A. Fitzpatrick

Conclusion: The efficacy of laser treatment for the treatment of actinic keratosis is significantly improved by the use of extended pulse durations. The 1064 nm laser system was found to be more effective than the 1320 nm laser system in the treatment of actinic keratosis. The 1064 nm laser system was found to be more effective than the 1320 nm laser system in the treatment of actinic keratosis.

U.3

LASER TREATMENT OF FACIAL ACNE WITH A 1060 nm DIODE LASER

Stanley S. Chakraborty, Dany Paulinhat, and E. Victor Hone

Conclusion: The 1060 nm diode laser system was found to be more effective than the 1064 nm Nd:YAG laser system in the treatment of facial acne. The 1060 nm diode laser system was found to be more effective than the 1064 nm Nd:YAG laser system in the treatment of facial acne. The 1060 nm diode laser system was found to be more effective than the 1064 nm Nd:YAG laser system in the treatment of facial acne.