A 560nm Intense Pulse Light Wavelength Can Be Aesthetically Effective and Pain Free

Jeffry Schafer, M.D., FRSM, and Ron Shane, Ph.D., OMD

Objective : To determine whether a 560nm intense pulse light wavelength can be aesthetically effective and pain free.

Design : A pilot study-single center and split face study

Methods : Seven subjects who volunteered with a Fitzpatrick skin type II-III received three split face treatments four weeks apart where half of the face was treated with the Jeisys Smooth Cool IPL system with a 560nm filter and the other side with Syneron E-Max with SR head; and is non-filtered 470-980 nm wavelength. The effectiveness of these distinctive IPL systems was evaluated by self assessment and medical experts who assessed photographs in a blinded scenario.

Results : All subjects preferred Jeisys Smooth Cool technology over that of the Syneron system in terms of comfort and absence of perceived pain. They likewise felt that Jeisys technology engendered a better aesthetic outcome. Medical experts did not observe a significant cosmetic difference between these distinctive IPL technologies.

Discussion : Jeisys Smooth Cool in this pilot study is slightly more efficacious than Syneron IPL technology in terms of improving epidermal texture and ameliorating pigmentation. However, more importantly it is pain free and 35% faster with respect to the execution of procedure compared to the traditional technology.

*Source : A 560nm Intense Pulse Light Wavelength Can Be Aesthetically Effective and Pain Free Jeffry Schafer, M.D., FRSM, and Ron Shane, Ph.D. VIEW ▶

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Hair Removal Can Be Painless and Effective: A Pilot Study

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Objective : To determine if a particular laser strategy can be painless and likewise efficacious in terms of bodily hair removal.

Design : A pilot studyβa single center splitβbody

Method : Six subjects, who volunteered with a Fitzpatrick skin type of IβIII, received three splitβbody treatments four weeks apart where the left armpit was treated with the Jeisys' Smooth Cool 700nm wavelength hair removal system and the other side with Syneron which is 810nm technology. The effectiveness of these distinctive hair removal systems were evaluated by patient selfβ assessment as well as a medical review by physicians who utilized infrared photographs and other photographs in a blinded clinical scenario.

Results : All subjects preferred Jeisys' Smooth Cool technology over that of the Syneron system in terms of comfort and absence of pain. They all stated that Jeisys' technology induced greater hair abatement. The medical expert's evaluation concurred with the patients' analysis.

Discussion : Jeisys' Smooth Cool hair removal system was pain free causing no discomfort to the patient. Topical lidocaine was not necessary nor ice for the reduction of erythema. There were not any patient complications such as scarring, burning, nor hypo or hyper pigmentation. Patients as well as medical experts agreed that Jeisys' Smooth Cool strategy was significantly superior to the Syneron's Comet in terms of hair removal effectiveness.

*Source : Microsoft Word - Hair Removal SC clinical study Schaefer rev.docx (totalbodycontouring.com) VIEW ▶

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A 560nm IPL Strategy Combined With a 700nm Protocol Further Ameliorates Epidermal Skin Rejuvenation

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Objective : To determine whether 560nm IPL strategy combined with 700nm protocol further ameliorates epidermal skin rejuvenation.

Design : Pilot studyβsingle center: Splitβface study

Methods : Six subjects who volunteered with a Fitzpatrick skin type IβII received three 560nm treatments on lower left arm as well as right lower arm. Each IPL strategy was one month apart. Moreover the left lower arm was treated three times 700nm protocol. The treatment strategies alternated on the left lower arm every two weeks between 560nm strategy and then 700nm protocol. Thus, the right lower arm only received three treatments a month apart. Two patients experienced three IPL treatments and then three protocols on the left side of the facial region with a 700nm strategy alternating every two weeks. The effectiveness of these combined laser strategies were assessed by patients; and medical experts evaluated photographs in a blind clinical scenario.

Results : All subjects evaluated the bodily region treated with combined modalities. It was found that this protocol produced statistically significant improvement in terms of epidermal texture, and evenness of pigmentation; and in general, enhanced epidermal surface robustness. The medical experts concurred with the subjects with respect to the efficacy of this aesthetic protocol on the lower left arm. There is some indication that facial collagen genesis was likewise engendered as a function of combining these distinctive modalities.

Discussion : The treatment of bodily regions which are photoβdamaged can be aesthetically improved when combined 560nm protocol with a 700nm laser strategy as compared with a single treatment with an intense pulse light protocol. There is a strong indication that this cosmetic protocol can engender facial collagen genesis as well as an increase in volume. There were no adverse complications either acutely or chronically. Thus, bodily photoβ damage can have increased epidermal rejuvenation as a result of combing 560nm protocol with a 700nm strategy.

*Source : Microsoft Word - Article 3 IPL SC Clinical Study.docx (totalbodycontouring.com) VIEW ▶