

# Annual Meeting for AAD

## FOTOFACIAL Update 2003

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The FotoFacial® procedure using a series of five or more full-face treatments with intense pulsed light was introduced for non-invasive skin rejuvenation in 1998. Since its introduction, the FotoFacial procedure has become a widely accepted and highly successful procedure for rejuvenating photoaged skin, improving erythema, flushing, telangiectasias, treating the symptoms of rosacea and treating dyschromias. Additional applications have been the treatment of non-facial photoaged skin, improvement of scars and non-ablative wrinkle reduction.

The introduction of synchronous pulsed light energy with radiofrequency electrical current by Syneron in 2002 has enabled greater advances in non-invasive skin rejuvenation. The FotoFacialRF® procedure using the Aurora™ (Syneron) has demonstrated enhanced clinical results with higher rates of patient satisfaction, lower risk of complications, greater ease of mastery of technique finesse and greater cost effectiveness over the original FotoFacial procedure with intense pulsed light.

Clinical evaluation of the FotoFacial RF procedure in 108 patients showed average wrinkle improvement of Class I and II rhytides of the perioral, periocular and forehead regions of 40 to 90% and patient satisfaction of 94% with five treatments.

A split face evaluation of FotoFacial with pulsed light and FotoFacial RF with pulsed light and radiofrequency electrical energy in 15 patients receiving a series of five facial treatments demonstrated enhanced clinical results with better wrinkle reduction and textural improvement, greater improvement in erythema and telangiectasias, greater patient preference for the FotoFacial RF treated side.

The concomitant use of a chilled, forced cold air device has made the FotoFacial RF procedure nearly painless.

The adjunctive use of proper skin care products has improved results, reduced complications and increased patient satisfaction of pulsed light skin rejuvenation.

Finally, the adjunctive use of topical aminolevulinic acid with the FotoFacial RF procedure has demonstrated a safe and effective method to resolve actinic keratoses in conjunction with skin rejuvenation.

The technique and results of the FotoFacial RF procedure will be discussed. The concept of Selective Radio-PhotoThermolysis is introduced to more accurately describe tissue interaction with synchronized pulsed light and electrical energies.