Regional (Perioral or Periorbital) Deep Phenol/Croton oil Peeling
How and Why to Do and Teach it

Association of Professors of Dermatology
Procedural Dermatology-2014

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Conflicts

Textbook: Chemical Peeling and Resurfacing, 3rd edition, Emory University Press, Amazon.com
2012-2013
Combination Chemical Peels

- ASPS: 444,268
- ASDS: 413,000
- Within Top 5 or 6 procedures for both associations
Why do it??

- Superb method to remove Glogau III or IV wrinkles in one treatment
- No Laser cost, maintenance or payments necessary
Why do it??

- Substantial generation of funds for your department
- Cost of procedure is negligible
- 24 procedures yearly (2 monthly for 6 winter months or 1 monthly) with phenol combination would yield $1,000 or $2,000 per peel or $24,000 to $50,000+ more per year
14 years ago at ASDS, survey showed 1/3 of Program Directors teaching phenol based peels.

ASDS Visiting Professor: 6 programs in 2013. Programs not getting didactic peel instruction as per RRC. Faculty and resident intense interest. Phenol/Croton oil Demonstrations successful.
Unlike Dermabrasion, which is rarely performed for wrinkles today, no blood-borne pathogens in peeling for wrinkles
There has never been a death from a properly performed full-face phenol peel.

Pause 10 minutes between perioral and periorbital application if doing 2 cosmetic units.
No worry of phenol cardiotoxicity as periorbital or perioral involves less phenol than a phenol matrixectomy
Oral Hydration for Phenol peels

- Drink 4 cups of water (1000cc or 32 oz)
- (Most patients peeling in the morning aren’t hydrated)
Baker-Gordon Formula
HALVED for ease of use

- Phenol, USP, 88% 1cc
- Tap water 1cc
- Septisol liquid soap 3 drops
- Croton oil 1 drop

As per Hetter’s work, Croton oil is the active ingredient
Application

- Application causes burning for 20 seconds, then anesthesia for 20 minutes, then throbbing pain for 6 hours.
- Perform in the morning
- Infraorbital and mental blocks: marcaine
Optional occlusion Glogau IV skin with microfoam tape
Frosting: Light White, White, Gray

- Glogau III go to White Frost
- Glogau IV go to Gray frost
- No Alabaster Skin or depigmentation if properly performed on proper degree of sun damage
- Hypopigmentation
Post op care

- In shower, dove soap and povidone iodine or chlorhexidine lathering skin cleanser followed by Aquaphor or Vaseline if sensitive twice daily
A great way to start
Complications of Resurfacing

- Pigmentation
- Scarring: Less than 1% in 3 studies (Baker, Brody, Glogau)
- Persistent Erythema
- Infection
- Regional peels imply less chance of complications since less surface area performed
Why do it??

- Substantial generation of funds for your department
- 24 procedures (2 monthly for 6 winter months or 1 monthly) with phenol combination would yield $24,000 to $50,000 more per year
- NO RESURFACING LASER COST OR MAINTENANCE