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### **Histological comparison between deep–depth chemical peelings phenol croton (using HEAT like a new penetration factor) and laser CO<sub>2</sub> –Erbium-Nd Yag**

**Statement of the Problem:** Chemical peelings it's the most ancient procedure to remove and repair the photodamage effects (Ebers papyrus). the newest with Erbium, Neodymium YAG Carbon Dioxide (CO<sub>2</sub>) Laser ( ultrapulsed, fractional & others) are be using for the same, remove sun damage elastotic collagen on the reticular dermis, atrophic basal-Malpighi stratum and hyperkeratosis corneum stratum and, the paramount, production of the best neoCollagen. Olders Phenol Deep Chemical peelings (Backer-Gordon, Litton, Fintzi and Hetter formulas) have been used and still used extensively for facial skin rejuvenation. Treatments with Carbon Dioxide (CO<sub>2</sub>) Laser and Phenol Deep Chemical peelings (Backer-Gordon, Litton, Fintzi and Hetter formulas) have been used and still using extensively for facial skin rejuvenation I introduce a new Formula which uses the Heat as a penetration factor and at the same time in its preparation. These studies have been done to compare the effects of the treatments using histologics views in different periods of time. Biopsies of facial skin treated on pre and retroauricular zone were made, immediately after application of CO<sub>2</sub> laser ablations and 24 hours after the application of a new adaptation of the Baker´s formula: DeRossi Fattaccioli´s formula for deep chemical peeling. Areas nearly the first biopsies were biopsied after 12 hours, 24 hours, 1 week, 2 weeks, 2 and 3 months after CO<sub>2</sub> ultrapulsed laser; and 24 hours, 48 hours, 72 hours, 1 week, 1 year and 10 years after application of Phenol. Initial biopsies showed that being CO<sub>2</sub> laser ablations deeper than deep chemical peeling Phenol-Croton oil DeRossi Fattaccioli´s Formule, both treatments have produced a zone of new collagen formation, but at 3 months comparatively deep chemical peeling with DeRossiFattaccioli´s formula show a thicker and wide new collagen zone than CO<sub>2</sub> laser ultrapulse ablation. Proving that this new Formule is more effective than the others. I introduce it for your knowledge. and for use it in your practice. Also, I will show biopsies of Laser CO<sub>2</sub> fractional and continue pulse, Erbium Yag and Neodimio Yag that are used for rejuvenation of the skin and will compare the neo-collagen production.

#### **Biography**

Daniel De Rossi Fattaccioli is the member of the American Academy of Dermatology, International Society of Peeling ISP, Argentina Dermatology Society, Ciland Coligeo Iberolatino Mericano of Dermatology, Peruvian Society of Dermatology. He is the Principal Professor of the Dermatology National University of Tacna "Jorge basadre Grossman" and the particular university of Tacna. Ex-President of the Peruvian Society of Dermatology.

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