

Μελέτες επί περιστατικών (κλινικές μελέτες)

Ιχθύαση

Ακμή

Γηρασμένο / Φωτογηρασμένο δέρμα

Μέλασμα

Ιχθύαση

ΠΡΙΝ



ΜΕΤΑ



Η σειρά NeoCeuticals Problem Dry Skin Treatment στηρίζεται στα συμπλέγματα NeoHydroxy Complexes - αποκλειστική τεχνολογία της εταιρείας NeoStrata. Ο σκοπός είναι, συνεργατικά να βελτιώσει διαταραχές του ξηρού δέρματος. Αποτελέσματα κλινικών μελετών καταδεικνύουν σημαντική μείωση της ξηρότητας / αποφολίδωσης και της ερυθρότητας του δέρματος μετά τη θεραπεία. Άλλα συμπλέγματα NeoHydroxy Complexes βοηθούν στον έλεγχο διαφορετικών παθήσεων του δέρματος, όπως για παράδειγμα η ακμή.

Ακμή

ΠΡΙΝ



ΜΕΤΑ



Τα συμπτώματα της ακμής, μεταξύ άλλων, περιλαμβάνουν την μη ομαλή κερατινοποίηση των κερατινοκυττάρων του σημηματοροϊκού αδένου. Αποτέλεσμα της ανωμαλίας αυτής είναι η απόφραξη του πόρου και ο σχηματισμός φαγεσώρων.¹⁶ Οι φαγέσωρες αποτελούν πρόδρομο δημιουργίας άλλων προβλημάτων, είτε δίχως φλεγμονή, είτε με φλεγμονή, εάν η εξέλιξη της ακμής γίνει πολλαπλασιαστικά.

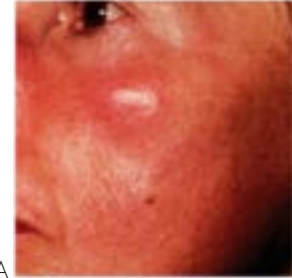
Τα AHAs μπορούν να απομακρύνουν την περίσσεια των λιπιδίων και των νεκρών κυττάρων εξασφαλίζοντας τη βελτίωση του δέρματος με τάση ακμής.^{12, 16}

Γηρασμένο ή φωτογηρασμένο δέρμα

ΠΡΙΝ



ΜΕΤΑ



Η μέγιστη εκδήλωση της φωτογήρανσης εμπεριέχει ξηροδερμία, ήπιες ή έντονες επιδερμικές αλλαγές, υπερπλασία των μελανοκυττάρων, τηλεαγγείωση, ρυτίδες και υπερτροφία των σμηγματογόνων αδένων.

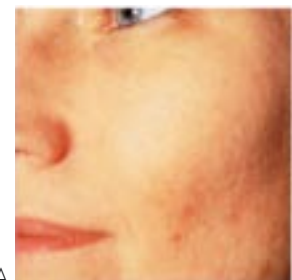
Ιστοπαθολογική εξέταση του φωτογηρασμένου δέρματος έχει δείξει ότι οι ελαστικές ίνες διευθετούνται με ακανόνιστα τυχαίο τρόπο¹⁰. Μελέτες έχουν δείξει ότι τα AHAs προκαλούν απολέπιση, επαναφέροντας τη διαδικασία της ανανέωσης των κυττάρων της επιδερμίδας στους φυσιολογικούς της ρυθμούς, ενώ την ίδια στιγμή προκαλούν πάχυνση του δέρματος, αύξηση της συγκέντρωσης των γλυκοσαμινογλυκανών της δερμίδας και επαγωγή της σύνθεσης κολλαγόνου από τους ινοβλάστες¹⁰. Αυτό έχει ως αποτέλεσμα την σημαντική αύξηση της ενυδάτωσης του δέρματος, καθώς επίσης και τη μείωση της εμφάνισης των διαταραχών των μελανοκυττάρων ή την αποφυγή δημιουργίας λεπτών γραμμών και ρυτίδων. Επιπλέον, βελτιώνεται η εμφάνιση του δέρματος και η ελαστικότητά του.

Μέλασμα

ΠΡΙΝ



ΜΕΤΑ



Το μέλασμα είναι μια χρόνια κατάσταση υπερχρωμίας του δέρματος. Η αιτία της εμφάνισης του μελάσματος είναι πολυπαραγοντική: υπερβολική έκκριση οιστρογόνων, γενετική προδιάθεση, έκθεση στον ήλιο και παθήσεις του θυροειδούς αδένου είναι οι πλέον συζητημένες αιτίες. Κατά το μέλασμα παρατηρείται υπερβολική απόθεση μελανίνης στη βασική στοιβάδα της επιδερμίδας και στη δερμίδα. Το Glycolic Acid είναι ένα φυσικό λευκαντικό που παράλληλα αυξάνει τη διείσδυση των λευκαντικών παραγόντων που περιέχονται σε λευκαντικά σκευάσματα, όταν χορηγείται παράλληλα. Μελέτες έχουν δείξει ότι σε δέρμα που έχει δεχθεί θεραπεία με Glycolic Acid, παρατηρείται ομοιόμορφη διασπορά μελανίνης στο όριο δερμίδας - επιδερμίδας, καθώς επίσης και λιγότερη συσσώρευση μελανίνης.

Αποτέλεσμα : το δέρμα ξαναβρίσκει το ομοιόμορφο, φυσικό του χρώμα.

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Οι Drs. Van Scott και Yu συναντήθηκαν το 1968. Ήταν τότε καθηγητές στο Temple University Medical School. Το κοινό τους ενδιαφέρον για το δέρμα και τη διαδικασία ανανέωσής του, οδήγησε στη συνεργασία τους και δημιούργησε τη βάση στην οποία στηρίχθηκαν 30 χρόνια έρευνας και ανάπτυξης.

Επειδή τα περισσότερα προβλήματα του δέρματος, πάνω από το 50%, οφείλονται στη δυσκολία απόρριψης - ανανέωσης της κεράτινης στοιβάδας, οι Drs. Van Scott και Yu διερεύνησαν τρόπους με τους οποίους θα μπορούσαν να επιδράσουν στη δημιουργία του NeoStrata (δηλαδή στη δημιουργία νέας στοιβάδας δέρματος).

Στις αρχές της δεκαετίας του 70, οι Drs. Van Scott και Yu ανακάλυψαν ότι ορισμένες φυσικές, μη τοξικές ουσίες, που προέρχονται από τα φρούτα και τα λαχανικά και ονομάζονται Alpha Hydroxy Acids (AHAs), έχουν ευεργετική επίδραση στο δέρμα, εξομαλύνοντας τη διαδικασία της κερατινοποίησης.

Εν συνεχεία - βάσει των ερευνών τους - ανακάλυψαν ότι τα AHAs, μόνα ή σε συνδυασμό με άλλες φυσικές ουσίες, μπορούν να επιταχύνουν τη φυσική διαδικασία της απολέπισης, επιτρέποντας στο ώριμο ή το κατεστραμένο δέρμα να ανανεωθεί και να αποκτήσει πιο νεανική όψη^{2,3}.

Επιπλέον απέδειξαν την αποτελεσματικότητα των AHAs σε ότι αφορά τη βελτίωση του εμφάνισης του γερασμένου, κατεστραμμένου από τον ήλιο δέρματος^{3,4}, του ξηρού δέρματος⁵, του δέρματος με τάση ακμής⁶, με δυσχρωμίες⁵ ή άλλα προβλήματα. Η τελευταία τους ανακάλυψη είναι η νέα γενιά των AHAs, τα Poly Hydroxy Acids (PHAs), ουσίες κατάλληλες για όλους τους τύπους δέρματος ακόμη και για τα πιο ευαίσθητα⁷.

Τα PHAs διεύρυναν το πεδίο δράσης των AHAs. Οι Drs. Van Scott και Yu ανέπτυξαν επίσης μία μοναδική θεραπευτική αγωγή, σχεδιασμένη ειδικά για άτομα με εξαιρετικά ξηρό δέρμα, όπως συμβαίνει σε περιπτώσεις ιχθύωσης, ψωρίασης, θυλακικής υπερκεράτωσης⁸. Αυτά τα θεραπευτικά προϊόντα περιέχουν συνδυασμό AHAs και PHAs, καθώς και βιταμίνες Α και Ε - συμπλέγματα που ονομάστηκαν NeoHydroxy Complexes.

Σήμερα οι Drs. Van Scott και Yu κατέχουν 100 πατέντες περίπου στον τομέα της επιστημονικής φροντίδας του δέρματος και έχουν εκδώσει περισσότερες από 50 σχετικές μελέτες.

Βιβλιογραφία

1. Van Scott E.J., Yu R.J. Control of keratinization with alpha hydroxyacids and related compounds. *Arch Dermatol* 1974; 110:586-590.
2. Van Scott E.J., Yu R.J. Modulation of keratinization with alpha hydroxyacids and related compounds. In: Frost, Gomez and Zaias, Eds. *Recent Advances in Dermatopharmacology. Proceedings of Symposium on Dermatopharmacology*. New York: Spectrum Publications 1978; 211-217.
3. Van Scott E.J., Yu R.J. Substances that modify the stratum corneum by modulating its formation. In: Frost, P. and Horwitz, S., eds. *Principles of Cosmetics for the Dermatologist*. St. Louis: C.V. Mosby 1982; 70-74.
4. Van Scott E.J., Yu R.J. Hyperkeratinization, corneocyte cohesion and alpha hydroxy acids. *J Am Acad Dermatol* 1984; 11:867-879.
5. Gilchrest B.A. Skin aging and photoaging: An overview. *J Am Acad Dermatol* 1989; 21:610-3.
6. Van Scott E.J., Yu R.J. Alpha hydroxy acids. Therapeutic potentials. *Canad J Dermatol* 1989; 1(5):108-112.
7. Van Scott E.J., Yu R.J. Alpha Hydroxyacids: procedures for use in clinical practice. *Cutis* 1989; 43:222-228.
8. Griffin T.D., Van Scott E.J. Use of pyruvic acid in the treatment of actinic keratoses: a clinical and histopathologic study. *Cutis* 1991; 47:325-329.
9. Hunt M.J., Barnetson R. StC. A comparative study of gluconolactone versus benzoyl peroxide in the treatment of acne. *Australas J Dermatol* 1992; 33:131-134.
10. Kligman A.M. Compatibility of a glycolic acid cream with topical tretinoin for the treatment of the photo damaged face of older women. *Geriatric Dermatology* 1993; 1(4):179-181.
11. Kligman A.M. Results of a pilot study evaluating the compatibility of topical tretinoin in combination with glycolic acid. *Cosmetic Dermatology* 1993; 6(10).
12. Perricone N.V. Treatment of pseudofolliculitis barbae with topical glycolic acid: a report of two studies. *Cutis* 1993; 52:232-235.
13. Moy L.S., Murad H., Moy R.L. Glycolic acid peels for the treatment of wrinkles and photoaging. *J Dermatol Surg* 1993; 19:243-246.
14. Coleman III W.P., Futrell J.M. The glycolic acid trichloroacetic acid peel. *J Dermatol Surg* 1994; 20:76-80.
15. Sexton C.R., Rubin M.G. An overview of alpha hydroxy acids. *Dermatol Nursing* 1994; 6(1):17-24.
16. Van Scott E.J., Yu R.J. Alpha hydroxyacids: science and therapeutic use. *Cosmet Dermatol* 1994; 7(10s):12-20.
17. Bernstein E.F., Uitto J. Connective tissue alterations in photoaged skin and the effects of alpha hydroxy acids. *J Geriatr Dermatol* 1995; 3 Suppl A (3):7A-18A.
18. Berson D.S., Shalita A.R. The treatment of acne: the role of combination therapies. *J Am Acad Dermatol* 1995; 32:S31-41.
19. DeBenedette V. Caution brings success in using AHA's on Asian skin. *Cosmet Dermatol* 1995; 8(12): 28-29.
20. DiNardo J.C., Grove G.L., Moy L.S. 12% Ammonium lactate versus 8% glycolic acid. *J Geriatr Dermatol* 1995; 3(5):144-147.
21. Grossman K.L., Wexler P.S. Topical rejuvenation of the aging face. *J Geriatr Dermatol* 1995; 3(7):217-230.
22. Leyden J.J. New understandings of the pathogenesis of acne. *J Am Acad Dermatol* 1995; 3:S1.
23. Kligman A.M. The Compatibility of Combinations of Glycolic Acid and Tretinoin in Acne and in Photoaged Facial Skin. *J Geriatr Dermatol* 1995; 4 Suppl A (3):25A-28A.
24. Leyden J.J., Lavker R.M., Grove G., Kaidbey K. Alpha hydroxy acids are more than moisturizers. *J Geriatr Dermatol* 1995; 3 Suppl A (3):33A-37A.
25. Van Scott E.J., Yu R.J. Actions of alpha hydroxyacids on skin compartments. *J Geriatr Dermatol* 1995; 3 Suppl A(3):19A-24A.
26. Briden M.E., Rendon-Pellerano M.I. Treatment of Rosacea with glycolic acid. *J Geriatr Dermatol*

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Βιβλιογραφία

1996; 4 Suppl B: 17B-21B. 27. Ditre C.M., Griffin T.D., Murphy G.F., Sueki H., Telegan B., Johnson W.C., Yu R.J., Van Scott E.J. Effects of alpha hydroxyacids on photoaged skin: a pilot clinical, histologic and ultrastructural study. *J Am Acad Dermatol* 1996; 34:187-95. 28. Garcia A., Fulton J.E. The combination of glycolic acid and hydroquinone or kojic acid for the treatment of melasma and related conditions. *Dermatol Surg* 1996; 22:443-447. 29. Griffin T.D., Murphy G.F., Sueki H., Telegan B., Johnson W.C., Ditre C.M., Yu R.J., Van Scott E.J. Increased factor XIIIa transglutaminase expression in dermal dendrocytes after treatment with alpha-hydroxy acids: potential physiologic significance. *J Am Acad Dermatol* 1996; 34:196-203. 30. Jackson E.M. Supporting advertising claims for AHA products. *Cosmet Dermatol* 1996; 9(5):40-47. 31. Ditre C.M., Nini K.T., Vagley R.T. Practical Use of Glycolic Acid as a Chemical Peeling Agent. *J Geriatr Dermatol* 1996; 1 Suppl B:2B-7B. 32. Kakita L.S., Petratos M.A. The use of glycolic acid in Asian and darker skin types. *J Geriatr Dermatol* 1996; 4 Suppl B: 8B-11B. 33. Leyden J.J. Photodamage: the causative role of UVA and the therapeutic role of -hydroxy acids. Yale University/ Glaxo Dermatology Lectureship Series in Dermatology 1996; 5:27. 34. Park C.P. Alpha hydroxy acids in skin care. *Clinics in Plastic Surgery* 1996; 23(1):49-56. 35. Rendon-Pellerano M.I., Bernstein E.F. The use of glycolic acids in the management of xerosis and photoaging. *J Geriatr Dermatol* 1996; 4 Suppl B: 12B-16B. 36. Stiller M.J., Bartolone J., Stern R., Smith S., Kollias N., Gillies R., Drake L.A. Topical 8% Glycolic acid and 8% L-Lactic acid creams for the treatment of photodamaged skin. *Arch Dermatol* 1996; 132:631-636. 37. Van Scott E.J., Yu R.J. Bioavailability of alpha-hydroxy acids in topical formulations. *Cosmet Dermatol* 1996; 9(6):54-62. 38. Van Scott E.J., Ditre C.M., Yu R.J. Alpha hydroxyacids in the treatment of signs of photoaging. Elsevier Science: *Clinics in Dermatology* 1996; 14:217-226. 39. Weiss J.S., Shavin J.S. An evaluation of the compatibility of tretinoin cream 0.05% and a glycolic acid 8% solution for acne prone skin. *Cosmet Dermatol* 1996; 9(10):26-38. 40. Thiboutot D.M. Alpha hydroxy acids: what we know and what we need to know. *Medical & Surgical Dermatology* 1996; 3:275-278. 41. Morganti P., Randazzo S.D., Fabrizi G., Bruno C. Decreasing the stinging capacity and improving the antiaging activity of AHAs. *J. Appl Cosmetol* 1996; 14:79-91. 42. Aupperlee, D., Zimmerman, A., Hino, P., Sigler, M., Stephens, T.J. The Effects of UV Light on Skin Pre-Treated with Alpha Hydroxy Acid Moisturizers. 43. Berardesca E., Distanto F., Vignoli G.P., Oresajo C., Green B. Alpha hydroxyacids modulate stratum corneum barrier function. *British J Dermatol* 1997; 137:934-938. 44. Bergfeld W., Tung R., Vidimos A., Vellanki L., Remzi B., Stanton-Hicks U. Improving the cosmetic appearance of photoaged skin with glycolic acid. *J Am Acad Dermatol* 1997; 36:101 1-3. 45. Bernstein E.F., Underhill C.B., Lakkakorpi J., Ditre C.M., Uitto J., Yu R.J., Van Scott E.J. Citric Acid increases viable epidermal thickness & glycosaminoglycan content of sun-damaged skin. *Dermatol Surg* 1997; 23:689-94. 46. Burns R.L., Prevost-Blank P.L., Lawry M.A., Lawry T.B., Faria D.T., Fivenson D.P. Glycolic acid peels for postinflammatory hyperpigmentation in black patients. *Dermatol Surg* 1997; 23:171-175. 47. Lawrence N., Cox S.E., Brody H.J. Treatment of melasma with Jessner's solution versus glycolic acid: A comparison of clinical efficacy and evaluation of the predictive ability of Wood's

Βιβλιογραφία (συνέχεια)

light examination. *J Am Acad Dermatol* 1997; 36:589-93. 48. EE Lim J.T., Tham S.N. Glycolic acid peels in the treatment of melasma among women. *Dermatol Surg* 1997; 23:177-179. 49. Scheman A.J., Kahn A.J., West D.P., Shahendeh F., Weiss W., Stroden B. The effect of skin cleansers on irritancy from glycolic acid peels. *Cosmetic Dermatol* 1997; 10(10):38-39. 50. Van Scott E.J., Newcomer V.D. Masters in dermatology. *Dermatol World* 1997; Suppl. 51. Wang C., Huang C., Sindy Hu C., Chan H. The effect of glycolic acid on the treatment of acne in Asian skin. *Dermatol Surg* 1997; 23:23-29. 52. Yu R.J. Skin irritation and AHA formulation. *Cosmet Dermatol* 1997; 10(6):31. 53. Yu R.J., Van Scott E.J. Salicylic acid: not a beta-hydroxy acid. *Cosmet Dermatol* 1997; 10(9). 54. Bond M., Van Scott E.J. New hydroxy acid formula for ichthyosis and other severe dry skin. *Cosmet Dermatol* 1998; 11(2):32-33. 55. Ditre C.M. Building your practice with glycolic acid peels. *Skin & Aging* 1998; 48-53. 56. Kempers S., Katz H.I., Wildnauer R., Green, B. An evaluation of the effect of an alpha hydroxy acid-blend skin cream in the cosmetic improvement of symptoms of moderate to severe xerosis, epidermolytic hyperkeratosis, and ichthyosis. *Cutis* 1998; 61:347-350. 57. Thueson D., Chan E., Oechsli L., Hahn G. The Roles of pH and Concentration in Lactic Acid-induced Stimulation of Epidermal Turnover. *Dermatol Surg* 1998; 24:641-645. 58. Kim, S., Park, J., Kim, D., Won, Y., Maibach, H.I. Increased In Vivo Collagen Synthesis and In Vitro Cell Proliferative Effect of Glycolic Acid. American Society for Dermatologic Surgery, Inc. Published by Elsevier Science Inc. 1998; 24; 1054-1058. 59. Kim S-J., Park J-H., Kim D-H., Won Y-H., Maibach H.I. Increased in vivo collagen synthesis and in vitro cell proliferative effect of glycolic acid. *Dermatol Surg* 1998;24:1054-1058. 60. Tucci M.G., Belmonte M.M., Biagini G., Morganti P., Vellucci E., Talassi O., Solmi R., Ricotti G. AHAs and derivatives. *Cosmetics & Toiletries* 1998;113:55-58. 61. Wang X. A theory for the mechanism of action of the α -hydroxy acids applied to the skin. *Medical Hypotheses* 1999;53(5):380-382. 62. Understanding the Science. *Cutis* July 2000; 66[suppl 1]: 3-8. 63. Differentiating Peels. *Cutis* July 2000; 66[suppl 1]: 9-11. 64. Green B.A. Lactobionic Acid. *Skin Inc* November 2000; 12:62-65. 65. Petratos, M.A. Drug Therapies and Adjunctive Uses of Alphahydroxy and Polyhydroxy Acids.. *Cutis* August 2000; 66: 107-111; Cabrini Medical Center, New York, New York, USA. (Sponsored by an educational grant from the NeoStrata Company). 66. Kakita, L. Clinical Uses of Polyhydroxy Acids. Sponsored by an educational grant from the NeoStrata Company. 67. Bond, M.J. Clinical Uses of Problem Dry Skin Treatment. Sponsored by an educational grant from the NeoStrata Company. 68. Briden, M.E. Case Studies with Chemical Peeling Agent. Sponsored by an educational grant from the NeoStrata Company. 69. Connolly, C.S., Bikowski, J. Using Alpha Hydroxy Acids in Acne and Rosacea Patients. *Skin & Aging (Acne/Rosacea Review)* 2000. 70. Johnson, A.W., Stoudemayer, T., Kligman, A.M. Application of 4% and 8% glycolic acid to human skin in commercial skin creams formulated to CIR guidelines does not thin the stratum corneum or increase sensitivity to UVR. *J. Cosmet. Sci.*, 2000; 51: 343-349. 71. Bernstein E.F., Lee J., Brown D.B., Yu R.J., Van Scott E.J. Glycolic acid treatment increases type I Collagen mRNA and hyaluronic acid content of human skin. *Dermatol Surg* 2001;27(5):1-5. 72. Kraechter H.U., McCaulley J.A.,

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Βιβλιογραφία (συνέχεια)

Edison B., Green B., Milora D.J. Amphoteric Hydroxy Complexes: AHAs with reduced stinging and irritation. *Cosmetics & Toiletries* 2001; 116(1):47-52. 73. Yu R.J., Van Scott E.J. Hydroxyacids and their topical use in the elderly. In: *Skin Diseases in the Elderly*. Marcel Dekker, Inc. (to be published in 2001). 74. Bernstein E.F. Chemical Peels. In: Kaminer, Arndt, Dover, Eds. *Atlas of Aesthetic Cutaneous Surgery*. W.B. Saunders (to be published in 2001); Chapter 18:313-329. 75. Green, B.A., Edison, B.L., Wildnauer, R.H., Sigler, M.L. Lactobionic Acid and Gluconolactone: PHAs for Photoaged Skin. *Cosmetic Dermatology Sep.* 2001; 24-28. 76. Bernstein, E.F., Green, B.A., Edison B., Wildnauer, R.H. Poly Hydroxy Acids (PHAs): Clinical Uses for the Next Generation of Hydroxy Acids. *Skin & Aging Sep.* 2001 Supplement. 77. Yu, R.J., Van Scott, E.J. A Discussion of Control-Release Formulations of AHAs. *Cosmetic Dermatology Oct.* 2001; 15-18. 78. Yu, R.J., Van Scott, E.J. Hydroxycarboxylic acids, N-acetylamino sugars, and N-acetylamino acids. *SKINmed* 2002;2:117-122. 79. Green, B.A., Edison, B.L., Lee, Y. Treatment of Photoaged Hands. *Cosmetics & Toiletries* 2002; 117(10):49-54. 80. Van Scott, E.J., Yu. R.J. Hydroxy acids: past, present, future. In: Moy, R., Luftman, D., Kakita, L., eds. *Glycolic acid peels*. New York, NY: Marcel Dekker, 2002; pp 1-14. 81. Yu, R.J., Van Scott, E.J. Bioavailable alpha hydroxy acid in topical formulations. In: Moy, R., Luftman, D., Kakita, L., eds. *Glycolic acid peels*. New York, NY: Marcel Dekker, 2002; pp 15-28. 82. Green, B.A., Wildnauer, R.H.. Formulating and Marketing AHA Products for the Global Market. In: Moy, R., Luftman, D., Kakita, L., eds. *Glycolic acid peels*. New York, NY: Marcel Dekker, 2002; pp 207-226. 83. Green, B.A. What every esthetician should know about dry skin. *Skin Inc.* 2003; 15(2):75-81. 84. Fuchs, K.O., Solis, O., Tapawan, R., Paraniipe, J. The Effects of an Estrogen and Glycolic Acid Cream on the Facial Skin of Postmenopausal Women: A Randomized Histologic Study. *Cutis.* 2003; 71:481-488. 85. Green B.A. Hydroxy acids and Beyond. *Les Nouveau Esthetiques* 2003; 18(6):54-60. 86. Bernstein, E.F., Brown, D.B., Schwartz, M.D., Kaidbey, K., Ksenzenko, S.M. The Polyhydroxy Acid Gluconolactone Protects Against Ultraviolet Radiation in an In Vitro Model of Cutaneous Photoaging. *Dermatologic Surgery, Inc.* 2004; 30:1-8. 87. Edison B.L., Green B.A., Wildnauer R.H., Sigler M.L. A polyhydroxy acid skin care regimen provides antiaging effects comparable to an alpha-hydroxyacid regimen. *Cutis February* 2004; 73(suppl 2):14-17. 88. Grimes P.E., Green B.A., Wildnauer R.H., Edison B.L. The use of polyhydroxy acids (PHAs) in photoaged skin. *Cutis February* 2004; 73(suppl 2):3-13. 89. Briden M.E. Alpha-hydroxyacid chemical peeling agents: case studies and rationale for safe and effective use. *Cutis February* 2004; 73(suppl 2):18-24. 90. Van Scott, E.J., Yu. R.J. Alpha-hydroxyacids and carboxylic acids. *Cosmetic Dermatology Jul.* 2004; (3) 76-87. 91. Yu R.J., Van Scott E.J. ???-hydroxyacids, polyhydroxy acids, aldobionic acids and their topical actions. In: Baran R, Maibach HI, eds. *Textbook of Cosmetic Dermatology*, 3rd ed. New York: Taylor & Francis, 2005:77-93. 92. Green B. After 30 years...the future of hydroxyacids. *Cosmetic Dermatology* 2005; 4:44-45. 93. Green BA, Milora DJ. Molecular Complexes and Amphoteric Complex Delivery for AHAs. In: Rosen MR, ed. *Personal Care Delivery Systems and Formulations*. Norwich, NY: William Andrew Inc. 2005; 881-908. 94. Briden ME, Green BA. The Next Generation Hydroxyacids. In: Draeos Z,

Βιβλιογραφία (συνέχεια)

Dover J, Alam M, eds. *Procedures in Cosmetic Dermatology: Cosmeceuticals*. Philadelphia, PA: Elsevier Saunders 2005; 205-212. 95. Green BA. Breakthroughs in peel technology for spa and home use. *Les Nouvelles Esthetiques* 2005 96. Draelos ZD, Green BA, Edison BL. An evaluation of a polyhydroxy acid skin care regimen in combination with azelaic acid 15% gel in rosacea patients. *J Cosmet Dermatol* 2006;5:23-29. 97. Green BA. Breakthroughs in peel technology. *Healthy Aging* 2006;1(5):80. 98. Briden ME, Green BA. Topical Exfoliation – Clinical Effects and Formulating Considerations. In: Draelos ZD, Thaman LA, eds. *Cosmetic Formulations of Skin Care Products*. New York, NY: Taylor & Francis Group; 2006;237-250. 99. Efron C, Briden ME, Green BA. Enhancing cosmetic outcomes by combining superficial glycolic acid (AHA) peels with nonablative lasers, intense pulsed light, and trichloroacetic acid peels. *Cutis* 2007;79(suppl 1[i]):4-8. 100. Rendon MI, Efron C, Edison BL. The use of fillers and botulinum toxin type A in combination with superficial glycolic acid (AHA) peels: optimizing injection therapy with the skin-smoothing properties of peels. *Cutis* 2007;79(suppl 1[i]):9-12. 101. Briden E, Jacobsen E, Johnson C. Combining superficial glycolic acid (AHA) peels with microdermabrasion to maximize treatment results and patient satisfaction. *Cutis* 2007;79(suppl 1[i]):13-16. ANAKOI-NΩΣΕΙΣ – POSTER EXHIBITS 1. Green BA, Edison BL, Wildnauer RH. Topical N-acetyl glucosamine provides fast acne-reducing benefits and mildness demonstrating its potential utility in enhancing conventional Rx or OTC acne Treatments. American Academy of Dermatology Poster Exhibit: Washington DC; February 2-7, 2007. 2. Lactobionic acid, a bionic acid enhances skin clarity and provides skin plumping and firming effects. American Academy of Dermatology Poster Exhibit: San Francisco; March 4-6, 2006. 3. Green BA, Edison BL, Wildnauer RH. Maltobionic acid, a plant-derived bionic acid for topical anti-aging. American Academy of Dermatology Poster Exhibit: San Francisco; March 4-6, 2006. 4. Kakita LS, Green BA. A review of the physical and chemical properties of alpha-hydroxyacids (AHAs) and polyhydroxy acids (PHAs) and their therapeutic use in pharmacologics. American Academy of Dermatology Poster Exhibit: San Francisco; March 4-6, 2006. 5. Green B.A., Edison B.L., Wildnauer R.H., Bernstein E.F., Briden M.E. Citric acid – alpha and beta hydroxyacid for antiaging skin care. American Academy of Dermatology Poster Exhibit: New Orleans; February 19-21, 2005. 6. Green BA, Edison B.L., Wildnauer R.H., Hwu R. Derivatives of sugar compounds provide anti-aging effects. American Academy of Dermatology Poster Exhibit: Washington DC; February 6-11, 2004. 7. Green BA, Edison BL, Wildnauer R.H., Hwu R. Cosmetic uses of benzilic acid - a lipophilic alpha-hydroxyacid (AHA). European Academy of Dermatology and Venereology Poster Exhibit: Barcelona, Spain; October 15-18, 2003. 8. Green BA, Edison BL, Wildnauer RH. Polyhydroxy Acids (PHAs) Provide Conditioning Effects to Skin Without Increasing Sensitivity to UV light. Amer Acad of Derm Poster Exhibit: New Orleans, March, 2002. 9. Green BA, Beer AE, Edison BL. Use of concealing cosmetics to reduce the visibility of topical skin afflictions for enhanced quality of life. Intl Psoriasis Sym Poster Exhibit: San Francisco, June 2001. 10. Grimes P, Edison BL, Green BA, Wildnauer RH. Evaluation of inherent differences in ethnic skin types and response to topical polyhydroxy acid (PHA) use. Amer Acad of Derm Poster Exhibit:

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Βιβλιογραφία (συνέχεια)

Washington DC, March, 2001. 11. Green BA, Wildnauer RH, Hwu RC, Milora DJ, Edison BL. Amphoteric complexes offer unique benefits to alpha hydroxyacid (AHA) skin care formulations. Amer Acad of Derm Poster Exhibit: Washington DC, March, 2001. 12. Green BA, Wildnauer RH. Effect of 10%, 20% and 25% Alpha-hydroxyacid (Citric Acid) Formulations on Skin Morphology. Amer Acad of Derm Poster Exhibit: San Francisco, CA, March, 2000 13. Green BA, Wildnauer RH, Edison BL. Lactobionic acid – a novel polyhydroxy bionic acid for skincare. Amer Acad of Derm Poster Exhibit: San Francisco, CA, March, 2000. 14. Green B, Tseng C, Wildnauer R, Herndon J, Rizer R. Safety and efficacy of a gluconolactone (polyhydroxy acid) containing regimen on (AHA) peels with microdermabrasion to maximize treatment results and patient satisfaction. *Cutis* 2007;79(suppl 1[i]):13-16. ANAKOINΩΣΕΙΣ – POSTER EXHIBITS 1. Green BA, Edison BL, Wildnauer RH. Topical N-acetyl glucosamine provides fast acne-reducing benefits and mildness demonstrating its potential utility in enhancing conventional Rx or OTC acne Treatments. American Academy of Dermatology Poster Exhibit: Washington DC; February 2-7, 2007. 2. Lactobionic acid, a bionic acid enhances skin clarity and provides skin plumping and firming effects. American Academy of Dermatology Poster Exhibit: San Francisco; March 4-6, 2006. 3. Green BA, Edison BL, Wildnauer RH. Maltobionic acid, a plant-derived bionic acid for topical anti-aging. American Academy of Dermatology Poster Exhibit: San Francisco; March 4-6, 2006. 4. Kakita LS, Green BA. A review of the physical and chemical properties of alpha-hydroxyacids (AHAs) and polyhydroxy acids (PHAs) and their therapeutic use in pharmacologics. American Academy of Dermatology Poster Exhibit: San Francisco; March 4-6, 2006. 5. Green B.A., Edison B.L., Wildnauer R.H., Bernstein E.F., Briden M.E. Citric acid – alpha and beta hydroxyacid for antiaging skin care. American Academy of Dermatology Poster Exhibit: New Orleans; February 19-21, 2005. 6. Green BA, Edison B.L., Wildnauer R.H., Hwu R. Derivatives of sugar compounds provide anti-aging effects. American Academy of Dermatology Poster Exhibit: Washington DC; February 6-11, 2004. 7. Green BA, Edison BL, Wildnauer R.H., Hwu R. Cosmetic uses of benzilic acid - a lipophilic alpha-hydroxyacid (AHA). European Academy of Dermatology and Venereology Poster Exhibit: Barcelona, Spain; October 15-18, 2003. 8. Green BA, Edison BL, Wildnauer RH. Polyhydroxy Acids (PHAs) Provide Conditioning Effects to Skin Without Increasing Sensitivity to UV light. Amer Acad of Derm Poster Exhibit: New Orleans, March, 2002. 9. Green BA, Beer AE, Edison BL. Use of concealing cosmetics to reduce the visibility of topical skin afflictions for enhanced quality of life. Intl Psoriasis Sym Poster Exhibit: San Francisco, June 2001. 10. Grimes P, Edison BL, Green BA, Wildnauer RH. Evaluation of inherent differences in ethnic skin types and response to topical polyhydroxy acid (PHA) use. Amer Acad of Derm Poster Exhibit: Washington DC, March, 2001. 11. Green BA, Wildnauer RH, Hwu RC, Milora DJ, Edison BL. Amphoteric complexes offer unique benefits to alpha hydroxyacid (AHA) skin care formulations. Amer Acad of Derm Poster Exhibit: Washington DC, March, 2001. 12. Green BA, Wildnauer RH. Effect of 10%, 20% and 25% Alpha-hydroxyacid (Citric Acid) Formulations on Skin Morphology. Amer Acad of Derm Poster Exhibit: San Francisco, CA, March, 2000 13.

Βιβλιογραφία (συνέχεια)

Green BA, Wildnauer RH, Edison BL. Lactobionic acid – a novel polyhydroxy bionic acid for skincare. Amer Acad of Derm Poster Exhibit: San Francisco, CA, March, 2000. 14. Green B, Tseng C, Wildnauer R, Herndon J, Rizer R. Safety and efficacy of a gluconolactone (polyhydroxy acid) containing regimen on sensitive skin and photodamage following controlled consumer use. Amer Acad of Derm Poster Exhibit: New Orleans, March, 1999. 15. Kempers S, Katz HI, Wildnauer R, Green B. An evaluation of the effect of an alpha hydroxy acid-blend skin cream in the cosmetic improvement of symptoms of moderate to severe xerosis, epidermolytic hyperkeratosis, and ichthyosis. *Cutis*: 61:347-350, 1998. (Also *Clinical Dermatology* 2000 Poster Exhibit: Singapore, June, 1998.; Euro Acad of Derm Poster Exhibit: Nice, October, 1998.) 16. Bergfeld WF, Remzi BK, Green B, Patel P, Ravas R. An evaluation of the gluconolactone sensitive skin care products. Amer Acad of Derm Poster Exhibit: Orlando, February, 1998. 17. Green B, Wildnauer R, Milligan D, Grove G. Comparative clinical efficacy of three novel polyhydroxy alpha-hydroxy acids using instrumental assessment. Amer Acad of Derm Poster Exhibit: San Francisco, March, 1997. 18. Weinkauf R, Murahata R, Green B. The lactic acid sting test in the evaluation of protective effects provided by topical cosmetic preparations. Amer Acad of Derm Poster Exhibit: Washington D.C., February, 1996.