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Con il patrocinio
dell'Autorità Ospedaliera Universitaria di Ferrara

SIDeMaST
Società Italiana di Dermatologia



UNIVERSITÀ
di FERRARA
FACOLTÀ DI MEDICINA
CORSO DI DERMATOLOGIA
PEDIATRIA E DERMATOLOGIA
DIPARTIMENTO DI DERMATOLOGIA

ACNE FERRARA 2017

**14° MEETING di AGGIORNAMENTO
su ACNE e DERMATOSI CORRELATE**

FERRARA, 24-25 NOVEMBRE 2017

FERRARA FIERE CONGRESSI

COSMAST
ferrara



COSMETOLOGIA ED ACNE

S. Manfredini, S. Vertuani



REVIEW

Fragile Skin: Benefit of Cosmeceuticals based on Rhealba® Oat plantlet in acne vulgaris

G. Fabbrocini¹, M. Saint Aroman², F. Schmitt³

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²*A-DERMA, Pierre Fabre Dermo-Cosmétique, 81500 Lavaur, France*

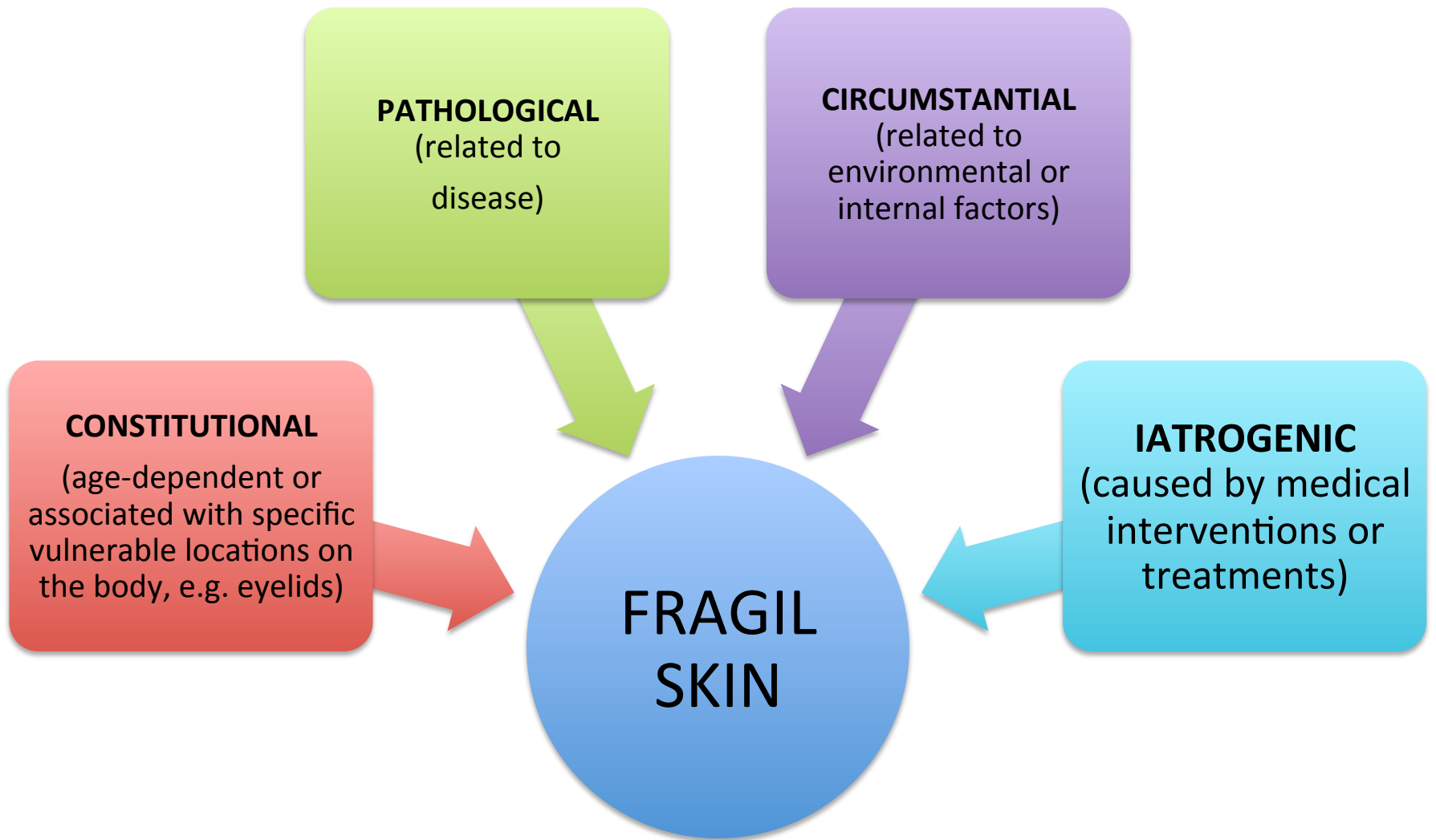
³*A-DERMA, Pierre Fabre Dermo-Cosmétique, 81500 Lavaur, France*

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Sun protection

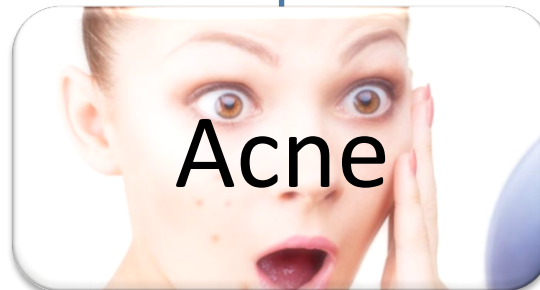
Cosmeceuticals:
physiologically
active cosmetics
meant to leave
lasting effects on
the skin



Aging



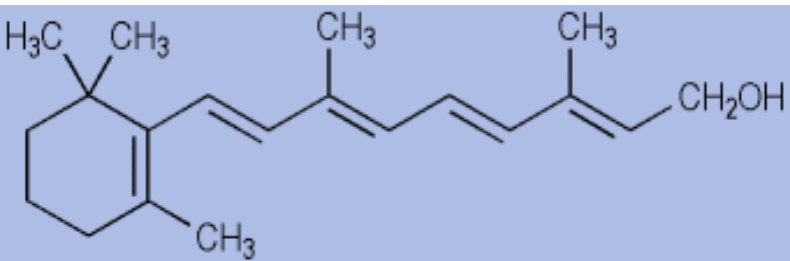
Dermatitis



Acne

The Use of Cosmeceuticals in Acne: Help or Hoax?

Brittany S. Barros¹ · Andrea L. Zaenglein^{1,2}



COSMETIC RETINOIDS (0.015%-1%)

RETINOL

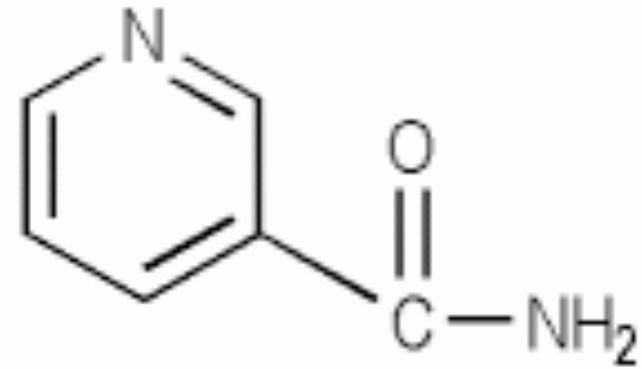
Retinyl Palmitate

Retinyl Acetate

Retinyl Ether

Retinal

NIACINAMIDE (4%)



Readily absorbed

Sebostatic

Antimicrobial action

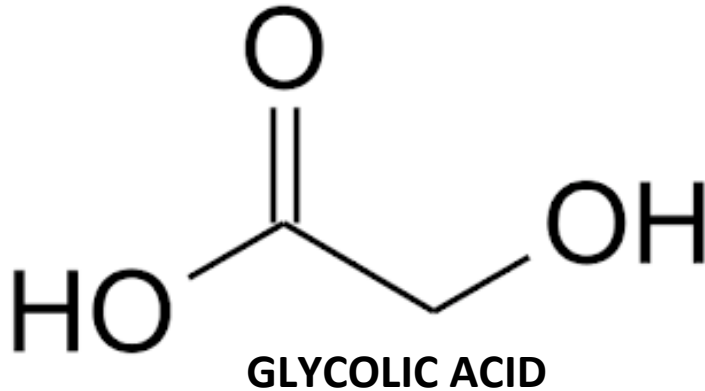
Antiinflammatory

inhibition of nitric oxide and subsequent changes to capillary permeability

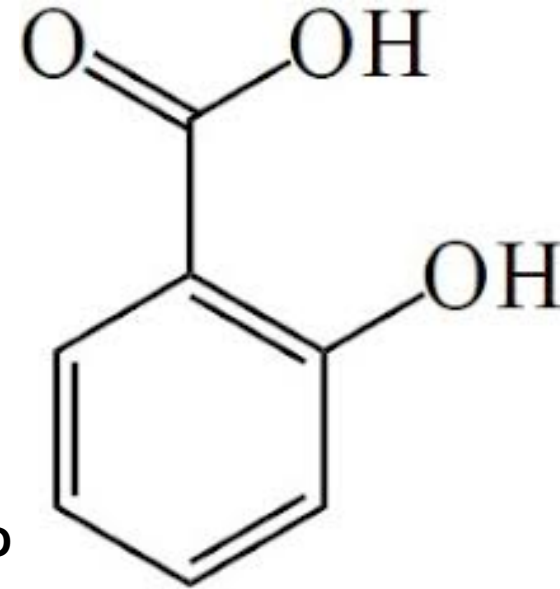
Increased ceramide synthesis
Whitening activity: Inhibition of melanosome transfer

Antioxidant

AHA & BHA



SALICYLIC ACID



Alpha-hydroxy acids are water soluble and hydrophilic while salicylic acid is hydrophobic and lipophilic.

This is relevant because α -hydroxy acids cannot enter the milieu of the pilosebaceous unit, while salicylic acid readily enters the sebaceous unit.

Glycolic acid is a common ingredient in cosmeceuticals and may be found in concentrations from 5 to 20%, while its use in chemical peels ranges from 35 to 70%

SALICYLIC ACID

- The safety of this ingredient is actually investigated and discussed from *Risk Assessment Committee* (RAC) dell'ECHA (*European Chemicals Agency*), and it could be classified in Cat. 1B or 2
- (suspected reproductive toxicity)

WARNING

ORIGINAL ARTICLE

Fragility of epidermis: acne and post-procedure lesional skin

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TESTED FORMULA COSMETIC FORM



Oil-in-Water Emulsion

CLAIMS ingredients

- Aqua, **Glycolic acid**, PPG-15 Stearyl Ether, Propylene Glycol, Cyclopentasiloxane, Polymethyl Methacrylate, Propylene Glycol Ceteth-3 acetate, Glycerin, Sodium Hydroxide, Cetyl Alcohol, **Lactic Acid**, Arachidyl Alcohol, Polyacrylate-13, Glyceryl Stearate, PEG 100 Stearate, **Salicylic Acid**, Arachidyl Glucoside, **Avena Sativa Oat Kernel Extract**, Behenyl Alcohol, BHT, **Bisabolol**, Cucurbita Pepo Seed Oil, Dimethicone, Disodium EDTA, Fragrance, Polyisobutene, Polisorbate 20, **Pyridoxine HCl**, Sorbistan Isostearate, **Zinc Gluconate**

TESTED COSMECEUTICAL

Emollients

- Aqua, **Glycolic acid**, **PPG-15 Stearyl Ether**, Propylene Glycol, **Cyclopentasiloxane**, Polymethyl Methacrylate, Propylene Glycol Ceteth-3 acetate, Glycerin, Sodium Hydroxide, Cetyl Alcohol, **Lactic Acid**, Arachidyl Alcohol, Polyacrylate-13, Glyceryl Stearate, PEG 100 Stearate, **Salicylic Acid**, Arachidyl Glucoside, **Avena Sativa Oat Kernel Extract**, Behenyl Alcohol, BHT, **Bisabolol**, **Cucurbita Pepo Seed Oil**, Dimethicone, Disodium EDTA, Fragrance, **Polyisobutene**, Polisorbate 20, **Pyridoxine HCl**, Sorbistan Isostearate, **Zinc Gluconate**

TESTED COSMECEUTICAL

Humectants

- Aqua, **Glycolic acid**, PPG-15 Stearyl Ether, **Propylene Glycol**, Cyclopentasiloxane, Polymethyl Methacrylate, Propylene Glycol Ceteth-3 acetate, **Glycerin**, Sodium Hydroxide, Cetyl Alcohol, **Lactic Acid**, Arachidyl Alcohol, Polyacrylate-13, Glyceryl Stearate, PEG 100 Stearate, **Salicylic Acid**, Arachidyl Glucoside, **Avena Sativa Oat Kernel Extract**, Behenyl Alcohol, BHT, **Bisabolol**, Cucurbita Pepo Seed Oil, Dimethicone, Disodium EDTA, Fragrance, Polyisobutene, Polisorbate 20, **Pyridoxine HCl**, Sorbistan Isostearate, **Zinc Gluconate**

TESTED COSMECEUTICAL

Emulsifiers

- Aqua, **Glycolic acid**, PPG-15 Stearyl Ether, Propylene Glycol, Cyclopentasiloxane, Polymethyl Methacrylate, Propylene Glycol Ceteth-3 acetate, Glycerin, Sodium Hydroxide, Cetyl Alcohol, **Lactic Acid**, **Arachidyl Alcohol**, Polyacrylate-13, **Glyceryl Stearate**, **PEG 100 Stearate**, **Salicylic Acid**, **Arachidyl Glucoside**, **Avena Sativa Oat Kernel Extract**, **Behenyl Alcohol**, BHT, **Bisabolol**, Cucurbita Pepo Seed Oil, Dimethicone, Disodium EDTA, Fragrance, Polyisobutene, **Polisorbate 20**, **Pyridoxine HCl**, **Sorbistan Isostearate**, **Zinc Gluconate**

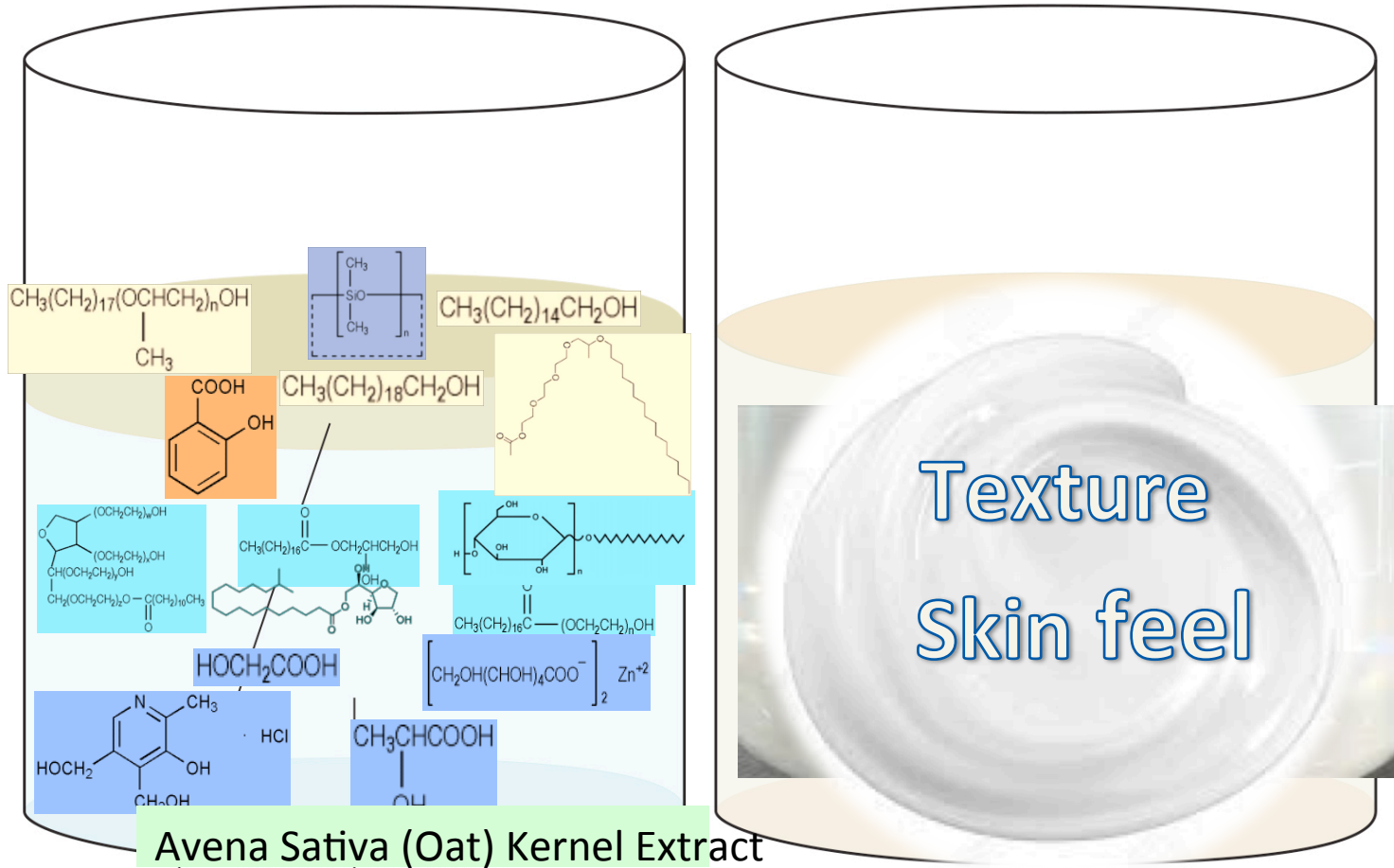
TESTED COSMECEUTICAL

Rheological additives

- Aqua, **Glycolic acid**, PPG-15 Stearyl Ether, Propylene Glycol, Cyclopentasiloxane, **Polymethyl Methacrylate**, Propylene Glycol Ceteth-3 acetate, Glycerin, Sodium Hydroxide, Cetyl Alcohol, **Lactic Acid**, Arachidyl Alcohol, **Polyacrylate-13**, Glyceryl Stearate, PEG 100 Stearate, **Salicylic Acid**, Arachidyl Glucoside, **Avena Sativa Oat Kernel Extract**, Behenyl Alcohol, BHT, **Bisabolol**, Cucurbita Pepo Seed Oil, Dimethicone, Disodium EDTA, Fragrance, Polyisobutene, Polisorbate 20, **Pyridoxine HCl**, Sorbistan Isostearate, **Zinc Gluconate**

O/W

Emulsion




OIL PHASE

WATER PHASE

Oil droplets in Water

Skin care and cosmeceuticals: Attitudes and trends among trainees and educators

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Heather Wickless MD, MPH¹ | Heidi Jacobs MD, MSCS¹

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Summary

Introduction: Patients often seek skin care recommendations from their dermatologist. The objective of this study was to determine the degree of education dermatology residents receive on skin care and cosmeceutical products, the source of education, and the attitude of trainees and their educators toward skin care and cosmeceuticals.

Methods: A cross-sectional survey of dermatology residents and faculty via an online survey administered June 2015 and August 2015, respectively.

Results: In total, 104 dermatology residents and 50 dermatology faculty members completed the survey. Among the dermatology residents and faculty, equal distribution was represented across the country. The majority of residents and faculty (62% and 69%, respectively) report discussing skin care with up to 25% of their patients. Among resident participants, 76.5% "agree or strongly agree" that skin care and cosmeceutical education should be part of their education and the majority of residents (74.5%) report their education has been "too little or nonexistent" during residency. In contrast, the majority of the faculty (60%) reports their resident education is "just the right amount or too much" ($P < .001$).

Conclusions: Skin care and cosmeceutical recommendations are often discussed in dermatology visits. Dermatology residents feel that education on these products should be a part of their residency training.

KEYWORDS

cosmeceutical, patient education, residency training, skin care, survey

- Currently, the American Board of Dermatology does not require training specific to skin care and cosmeceuticals.

The authors performed a survey of US Dermatology Residents and Faculty which showed that residents feel uncomfortable providing skin care education to their patients and that they do not have enough cosmeceutical training in residency.

Grazie

A red smiley face is drawn below the word 'Grazie'. It consists of a simple, thick red curved line that forms a wide, open-mouthed smile.