

Do You Know How To Maintain Beautiful Skin? Analysis of Skin Care Among Different Age Groups Aimi Ito, Department of Chemistry, College of Arts and Sciences, and Honors College Faculty Mentor: Susan Eve, Department of Sociology, College of Public Affairs and Community Service, and Honors College



RESEARCH TOPIC

My research topic is to study how skin care needs differ among different age groups by comparing the most common skin care concerns among teenagers and middle agers.

RESEARCH QUESTIONS

- What kind of skin care treatments are specifically needed in each age group, considering their skin care concerns.
- What kind of chemical ingredients are helpful to satisfy their needs.



LITERATURE REVIEW

Skin Care Needs for the Middle Age Group

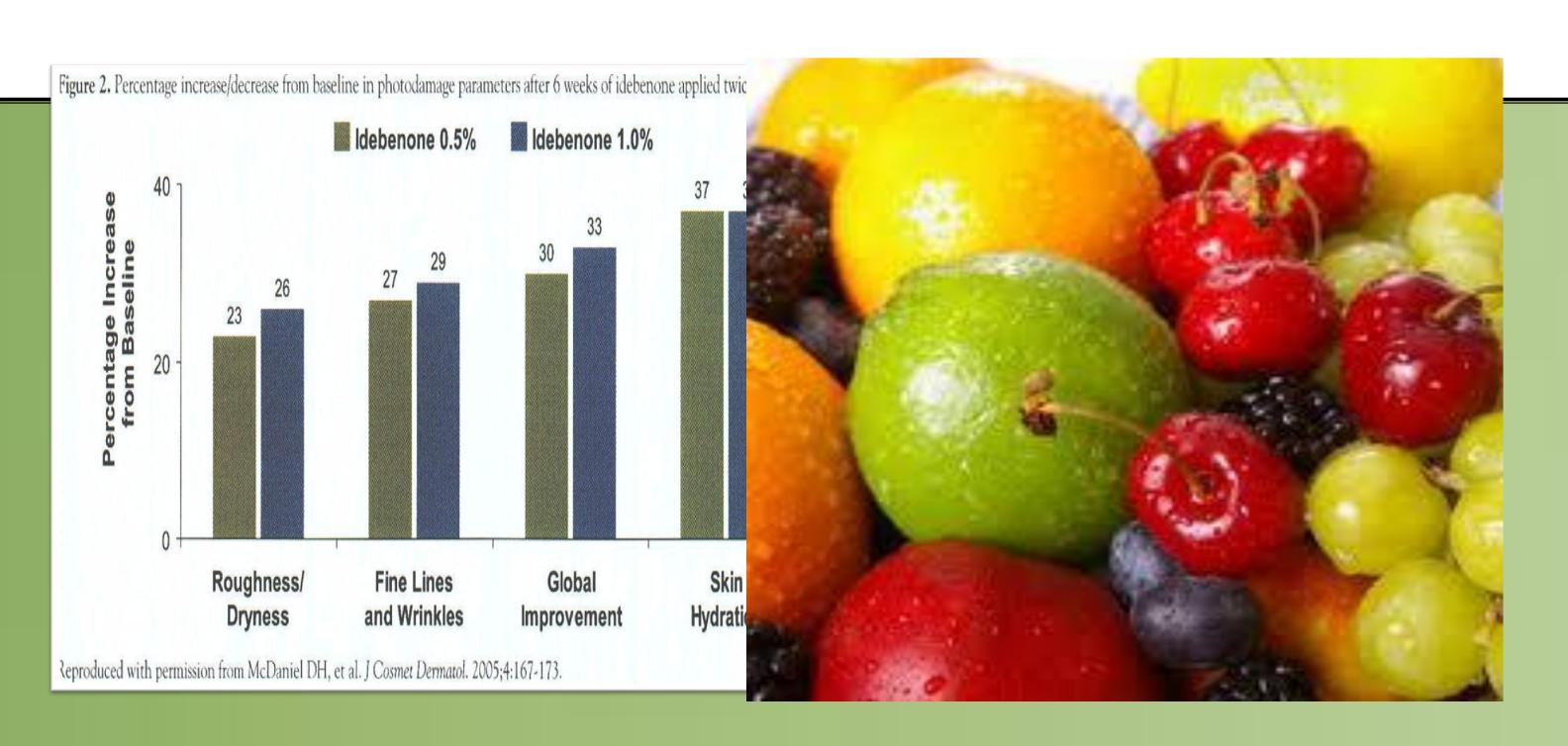
- Interest in keeping the youthful appearance of skin
- Consummate skin care treatment that improves wrinkles and lines; Active ingredients for this need are idebenone, topical antioxidant formulations, vitamin C, and green tea extract.
- Idebenone is structurally related to coenzyme Q10. Experiment shows many people experienced improvement of skin from idebenone. More idebenone is better for improvement.
- Topical antioxidant formulations are antioxidant vitamin C and E which treat skin aging.
- Green tea extracts also contain antioxidant polyphenols which improve aged skin.

Skin Care Need for Teenagers

- The biggest skin care concern for teenagers is acne.
- Dr. Grossman, a dermatologist, recommends washing the face twice daily with oil-free cleanser and putting on makeup to prevent and treat acne.
- It is also important to prevent exposure to UVB and UVA light.
- It is recommended to wear sun screen from early ages.

Chemical Substances in Cosmetics

- Good ingredients for skin include vitamins and collagens.
- Vitamins are necessary to maintain healthy skin and hair.
- Vitamins in cosmetics nourish skin.
- Vitamins treat exposed UVA and UVB light which damage skin.
- Collagen is one of the best moisturizers in cosmetics.



METHODS

- I propose to use survey and experimental research methods.
- First, I propose to collect data of people's voice by survey method.
- Survey would include questions such as the following:
- What concerns you most about your skin?
- Do you choose your skin care products based on chemical ingredients?
- What kind of skin care products do you use?
- What is your daily skin care routine?
- How old are you?
- What is your gender?
- I would include some choices for each question including the choices of no answer and other so the person can easily answer the questions.
- After this step, I would do the experimental research.
- I would use 50 testers each for the young group and the middle age group.
- I would ask them to put on skin care products which have different chemical ingredients and collect data and see which chemical ingredients would improve human skin.

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