INFOTAINMENT

STUDY TEMPLATE



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ABSTRACT

The aim of this program is to judge a participant's biological age based on fine lines and dull skin using Artificial Intelligence techniques.

Captures will be taken twice by using Infotainment web application on smart devices developed by BrighTex Bio-Photonics Artificial Intelligence algorithms.

Based on the participant's age and wrinkle severity it will recommend a control cream which is to be applied on left under eye and a product which is to be applied on right under eye improve their "skin age" by reducing fine lines..

Measurements are taken before and after the application of an anti-ageing product to determine the efficacy of the product.

It was concluded that out of 3 products A, B and C, product C reduced under-eye wrinkle severity by 19.5%.



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Section 1: OBJECTIVE

The purpose of this study is to use Artificial Intelligence to determine the biological age of the participant and measure ageing parameters such as fine lines and wrinkles. Smart phones are used to take a selfie and upload to the server. Different anti-ageing products are recommended to the participants based on their age and wrinkle severity. Measurements are taken before and after application of an anti-ageing product to determine the efficacy of the product. It was concluded that out of 3 products A, B and C, product C reduced under-eye wrinkle severity by 19.5%.

BrighTex Bio-Photo **Note:** Panels who wear make-up will not necessarily see the same level of improvement.

Section 2: STUDYDESIGN

Participants for this program are identified from the in-cosmetics formulation summit. This program will include both the Male and Female participants aged above 18 years. Captures will be taken twice by using Infotainment web application developed by BrighTex Bio-Photonics Artificial Intelligence algorithms. App can be downloaded and used on any smart phones by the participants.

Section 3: STUDY POPULATION

Each study's protocol has guidelines for who can or cannot (inclusion and exclusion criteria) io-Phota participate in the study. These guidelines, called eligibility criteria, describe characteristics that must be shared by all participants as part of the informed consent. The criteria differ from study to study. They may include age, gender, medical history, and current health status.

A total of 80 participants are enrolled where 49 participants undergone both the time points by using Infotainment web application. Participants are recruited from the in-cosmetics formulation summit. Interested candidates reported to the program coordinator at the summit for screening and participants who meet all of the inclusion criteria and none of the exclusion criteria will be enrolled.

INCLUSION CRITERIA:

A participant may be eligible for enrolment if all of the following criteria are met:

- Participants can be both male and female
- Age ranges from 18 and above
- Participant is free from any dermatological or systemic disorders which, in the opinion of the Principal Investigator, would interfere with the test results or increase the risk of an adverse reaction;
- Participant is dependable and able to follow directions as outlined in the protocol;

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BrighTex Bio-Photonics EXCLUSION CRITERIA:

A participant may not be eligible for enrolment if any of the following criteria are met:

- Subject has known allergies to cosmetics or personal care products;
- Subject is pregnant, planning a pregnancy, or is nursing;
- Subject exhibits and/or reports a history of an acute or chronic dermatologic condition of the face or that affects the eyelashes, eye diseases/disorders, which would preclude application of the test material and/or could influence the outcome of the study;
- Subject is currently undergoing chemotherapy or radiation.

Section 4: STUDY MATERIALS

 Product A consists of 0% active Ingredients and it is recommended to people who has mild wrinkles.

PRODUCT - A

0% - ACTIVE INGREDIENTS



Product B consists of 10% active ingredients and 90% water, it is recommended to people who has moderate wrinkles.

PRODUCT - C 20% - ACTIVE INGREDIENTS

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-u (O Brightex Bio-Photo Product C consists of 20% active ingredients and 80% water it is recommended to people who have severe wrinkles.

Section 5: STUDY PROCEDURE

Study Procedure 5.1

Stage1 (AT COFFEE NETWORKING BREAK):

- Participants steps in at 10:30 AM
- Understanding of the study
- Signing of the Consent
- Download/Launch the app
- BrighTex Bio-Photc Register using Conference ID, Password, Confirm Password and Email ID
- Select an option to the question, Wearing Foundation?
- Take a capture and proceed to see the results
- Participants are shown a table of results with Chronological age v Biological age as determined by the app.
- Participants are invited to visit the table and collect a small jar of product with the Product Number shown for their delegate number plus a second small jar labeled Control.

Sample Table:

Sample Table:						
Delegate				AI Determined Information		
Delegate Number	Age	Male/Female	Wearing Foundation	Biological Age	Fine Lines	Product Number
1	30-40	М	No	30-40	Moderate	ri OB
2	41-55	М	No	41-55	Moderate	В
3	18-29	F	Yes	18-29	Mild	А
4	56+	М	No	56+	Severe	С
5	18-29	F	No	18-29	Mild	А

BrighTex Bio-Photonics Stage 2(AT NETWORK LUNCH BREAK):

If they have not already visited the table to collect their small jar of product with the Product Number shown for their delegate number plus a control cream, they will be reminded to collect their products.

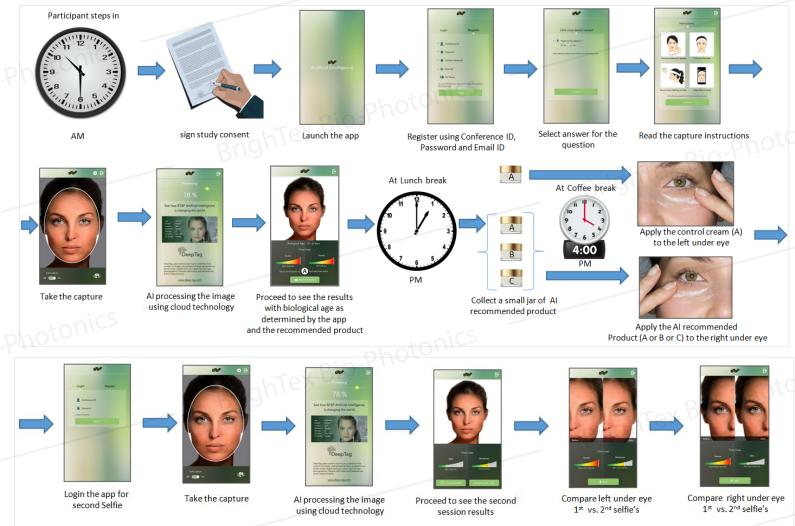
Stage 3(AT AFTERNOON NETWORKING COFFEEE BREAK):

- > When all the delegates have their creams, we ask them to generously apply the control cream to the left under eye and the jar with their AI recommended product on their righTex Bio-Photc right under eye.
- As the panel is settling at the end of the day, delegates take their final Selfie.

Stage 4(RESULTS AT THE START OF DAY 2):

 \geq Discussion on the results again in more meaningful detail during the InfoTainment talk

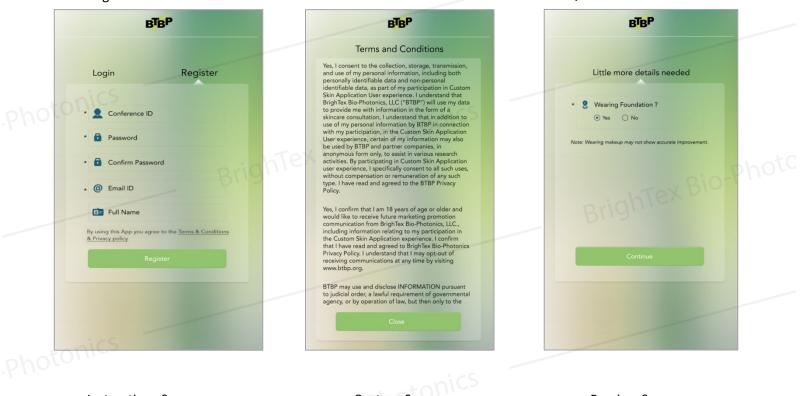
Study Procedure – Flow Diagram 5.2



BrighTex Bio-Photonics **Infotainment Web Application Flow** 5.3

Registration Screen

Terms & Conditions Screen



Instructions Screen

Capture Screen

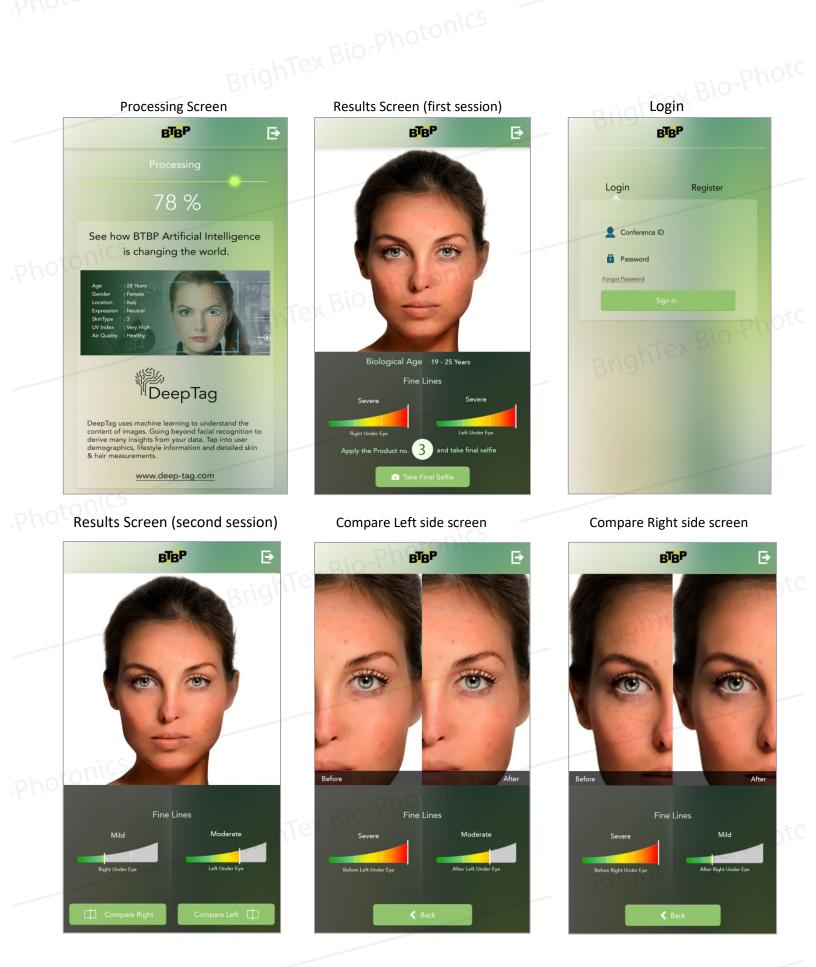
Preview Screen

Questionnaire Screen





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Section 6: STUDY EVALUATIONS

6.1 SKIN FEATURE TO BE STUDIED

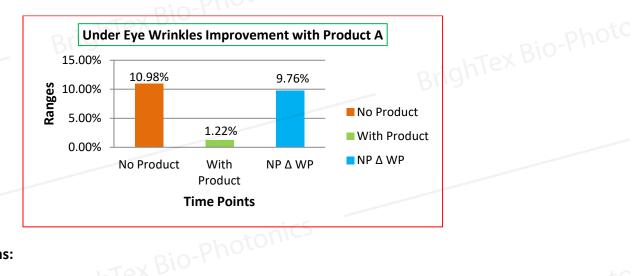
Under Eye Wrinkles

Structural changes in specific parts of the dermis and the subcutaneous tissue producing a fold,

ridge or crease on the skin is considered as a wrinkle.



Measured Parameter: Under eye wrinkle severity

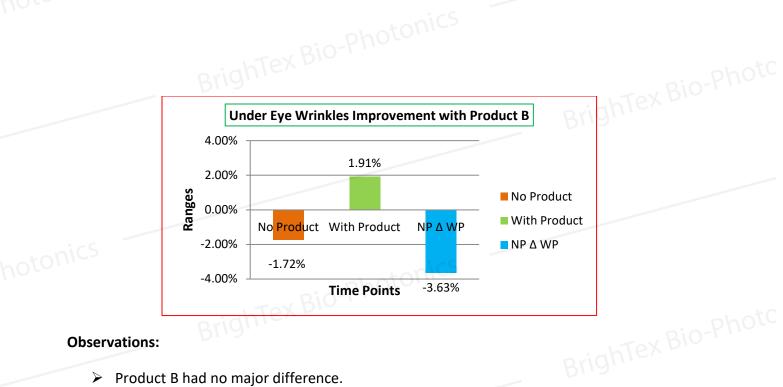


Under eye wrinkle severity:

Observations:

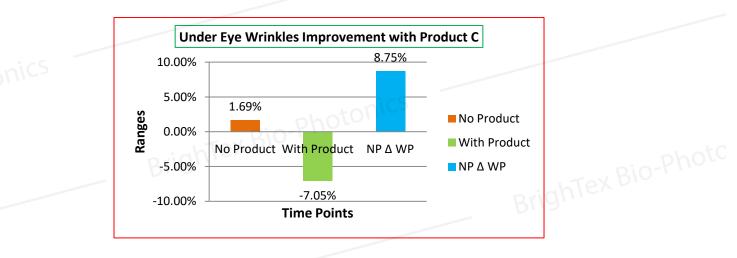
- This product is recommended for younger participants who would not have many wrinkles.

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Observations:

- Product B had no major difference.
- This product is recommended for younger participants who would not have many wrinkles.



Improvements Observed:

- Product C had a major difference.
 - This product is recommended for old users who would have wrinkles. BrighTex Bio-F

6.2 Study Results



Severe

Observations:

- Data is normalized to the minimum severity score and calculated the percentage value of reduction
- Results for Product C saw a normalized improvement of 19.5% in the under-eye wrinkle's appearance.
- Product C was recommended for study participants whom the AI judged to have at least moderately severe under-eye wrinkles.

