A study to evaluate a facial cream containing 0.5% bakuchiol on subjects with acne

Submission date	Recruitment status No longer recruiting	Prospectively registered			
10/07/2020		☐ Protocol			
Registration date 11/09/2020	Overall study status Completed	Statistical analysis plan			
		[X] Results			
Last Edited 09/03/2021	Condition category Skin and Connective Tissue Diseases	[] Individual participant data			

Plain English summary of protocol

Background and study aims

Acne is an extremely common skin disease that is found most typically in adolescence and young adulthood. It causes spots, oily skin and sometimes skin that's hot or painful to touch. The aim of this study is to evaluate the effectiveness and acceptance of UP256 cream, 0.5% in the treatment of acne.

Who can participate?

People aged 12-30 with mild to moderate acne

What does the study involve?

Participants are required to follow instructions from the investigator and apply a cream to their face twice a day. The length of the study is 16 weeks and consists of a screening visit, baseline visit (week 0), and treatment visits at weeks 1, 2, 4, 6, 8, 10 and 12. The screening and baseline visit assessment will include an acne lesion count and the first application of the cream by the participant. Treatment visits will also include an evaluation of the response to treatment, a patient questionnaire, acne lesion count, safety assessment, collection of study medication and reporting of adverse events.

What are the possible benefits and risks of participating?

The study does not promise any benefit but a possible benefit could be a clearer complexion. The most common foreseeable adverse events include erythema (redness), irritation and peeling of the skin due to a known mild irritation quality of the topical antibiotics. A risk of participating in the study is that participants are not able to use other acne medication and their condition may worsen.

Where is the study run from? SUNY Downstate Medical Center (USA)

When is the study starting and how long is it expected to run for? March 2009 to June 2010

Who is funding the study? Unigen Inc. (USA)

Who is the main contact? Lidia Alfaro Brownell lbrownell@unigen.net

Contact information

Type(s)

Scientific

Contact name

Ms Lidia Alfaro Brownell

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Contact details

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Additional identifiers

Clinical Trials Information System (CTIS)

Nil known

ClinicalTrials.gov (NCT)

Nil known

Protocol serial number

UN2008-256-01

Study information

Scientific Title

A pilot, open-label study to evaluate the antimicrobial and anti-inflammatory properties of UP256 cream

Study objectives

0.5% bakuchiol cream reduces total acne lesions when applied twice a day for a period of 12 weeks.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Approved 06/04/2009, SUNY Downstate Medical Center Institutional Review Board (450 Clarkson Avenue Brooklyn, NY 11203, USA; +1 (0)718 270 2680; irb@downstate.edu), ref: 09-008

Study design

Single-center open-label interventional study

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Acne and hyperpigmentation

Interventions

A cream containing 0.5% bakuchiol was applied to the face twice a day for a period of 12 weeks. The study was open-label and no control group or placebo was used. Participants that met the inclusion criteria were enrolled and assigned to the study product. The length of the study is 16 weeks and consists of a screening visit, baseline visit (week 0), and treatment visits at weeks 1, 2, 4, 6, 8, 10 and 12.

Intervention Type

Other

Primary outcome(s)

- 1. Acne inflammatory lesions and non-inflammatory lesions measured using lesion count at baseline and weeks 4, 8, and 12
- 2. Post-inflammatory hyperpigmentation caused by acne measured using physician assessment method at baseline and weeks 4, 8, and 12

Key secondary outcome(s))

Safety and tolerability of the cream measured by investigator assessment of erythema (redness), dryness, peeling and oiliness at baseline and weeks 1, 2, 4, 6, 8, 10 and 12

Completion date

30/06/2010

Eligibility

Key inclusion criteria

- 1. Male or female
- 2. Moderate to mild acne
- 3. Age 12-30
- 4. Fitzpatrick Skin Type III and higher

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Mixed

Sex

All

Total final enrolment

17

Key exclusion criteria

- 1. Not healthy
- 2. Severe acne
- 3. Recent use of acne treatment

Date of first enrolment

17/04/2009

Date of final enrolment

15/11/2009

Locations

Countries of recruitment

United States of America

Study participating centre SUNY Downstate Medical Center

450 Clarkson Avenue Brooklyn, New York United States of America 11203-2098

Sponsor information

Organisation

Unigen Inc.

Funder(s)

Funder type

Funder Name

Unigen Inc.

Results and Publications

Individual participant data (IPD) sharing plan

The data-sharing plans for the current study are unknown and will be made available at a later date. Currently data to be used for publication is saved as the analyzed file in an Excel format on a CD, the file is de-identified as per HIPAA Guidelines and stored in a limited access area at Unigen Inc.

IPD sharing plan summary

Data sharing statement to be made available at a later date

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	01/03/2021	09/03/2021	Yes	No
Basic results		11/09/2020	08/10/2020	No	No
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes