

# Clinical study of the safety and effectiveness of two hyaluronic acid injectable products (MaiLi Precise® and MaiLi Define®) as fillers in the treatment of lip thinness and wrinkles around the mouth

<b>Submission date</b> 28/03/2022	<b>Recruitment status</b> No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 29/03/2022	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 30/09/2024	<b>Condition category</b> Other	<input type="checkbox"/> Individual participant data

## Plain English summary of protocol

### Background and study aims

Procedures on the lips have become increasingly common and their popularity has grown due to cultural trends and the association of lip appearance with both youth and beauty. Many patients desire lips filler injection to improve the fullness and definition of their lips. The aim of this study is to evaluate the effectiveness and safety of MaiLi Precise® and MaiLi Define® for lip augmentation and the correction of wrinkles around the mouth (perioral area).

### Who can participate?

People aged 18-65 years seeking an improvement of their lip volume and/or their perioral area

### What does the study involve?

Participants are randomly allocated to receive a single injection of MaiLi Precise® or MaiLi Define®. Several follow-up visits will be carried out at Day 14, 1 month, 6 months and 12 months after the treatment assess the safety and effectiveness of the injection.

### What are the possible benefits and risks of participating?

The possible benefits are an aesthetic improvement by increasing the volume of lips and/or filling the perioral wrinkles. Potential adverse events can occur. In most cases, those adverse events are naturally resolved within 1 week. In case of an adverse event lasting for more than 1 week, the investigator should assess and define the best course of action.

### Where is the study run from?

Cabinet renaissance of Dr Gianfermi (France)

### When is the study starting and how long is it expected to run for?

July 2021 to October 2023

Who is funding the study?  
Sinclair Pharmaceuticals Limited (UK)

Who is the main contact?  
Stuart Boothman  
SBoothman@sinclair.com

## Contact information

**Type(s)**  
Scientific

**Contact name**  
Mr Stuart Boothman

**Contact details**  
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## Additional identifiers

**Clinical Trials Information System (CTIS)**  
Nil known

**Protocol serial number**  
21E1105

## Study information

**Scientific Title**  
Clinical study of the safety and effectiveness of the use of MaiLi Precise® and MaiLi Define® in the treatment of lips and perioral area

**Study objectives**  
MaiLi Precise® and MaiLi Define® induce a global aesthetic improvement of the treated area(s).

**Ethics approval required**  
Old ethics approval format

**Ethics approval(s)**  
Approved 25/03/2022, CPP Nord-Ouest II (Bâtiment pharmacie - Hôpital Nord - Place Victor Pauchet 80054 Amiens, France; +33 (0)3 22 66 85 43; cpp.nordouest2@chu-amiens.fr), ref: 21.04692.000042

## **Study design**

Prospective open-label interventional intra-individual study

## **Primary study design**

Observational

## **Study type(s)**

Treatment

## **Health condition(s) or problem(s) studied**

For MaiLi Precise® treatment: very thin to thin lip volume and /or moderate to severe perioral wrinkles; for MaiLi Define® treatment: thin to moderate lip volume

## **Interventions**

34 subjects will be included in group 1 and treated with MaiLi Precise®:

1. At least 12 will be treated for lip volume
2. At least 11 will be treated for lip definition
3. At least 11 will be treated in the perioral wrinkles

34 subjects will be included in group 2 and treated with MaiLi Define® for lip volume.

Only one injection session is planned. 2 ml maximum per area will be used by the injector. The subjects will be followed up for up to 12 months after treatment.

## **Intervention Type**

Device

## **Phase**

Not Applicable

## **Drug/device/biological/vaccine name(s)**

MaiLi Precise®, MaiLi Define®

## **Primary outcome(s)**

Aesthetic Improvement measured using the Global Aesthetic Improvement Scale (GAIS) evaluated by an independent live assessor 6 months after treatment (M6)

## **Key secondary outcome(s)**

1. Aesthetic improvement measured using the Global Aesthetic Improvement Scale (GAIS) evaluated by a live assessor 1 month (M1) and 12 months (M12) after treatment
2. Aesthetic improvement measured using the Global Aesthetic Improvement Scale (GAIS) evaluated by the subjects at M1, M6 and M12
3. Subject's satisfaction measured using an in-house questionnaire at M1, M6 and M12
4. Injector satisfaction measured using an in-house questionnaire at M1
5. Improvement of treated areas measured using Rossi and Bazin scales evaluated by an assessor on photographs at M1, M6 and M12
6. Safety measured using injection site reactions (ISR) rated by a live assessor and by the subjects and by the collection of adverse events after treatment, at M1, M6 and M12

## **Completion date**

01/10/2023

## Eligibility

### Key inclusion criteria

1. Sex: female or male
2. Age: between 18 and 65 years
3. Subject seeking an improvement of her/his lip volume and/or perioral area
- 4.1. For group 1: subject with very thin to thin lips volume (score 1 to 2 on Rossi scale) and /or subject with moderate to severe perioral wrinkles (score 2 to 6 on the Bazin scale)
- 4.2. For group 2: subject with thin to moderate lips volume (score 2 to 3 on Rossi scale)
5. Subject having given freely and expressly his/her informed consent
6. Subject willing to have photographs of the face taken and who are willing provide approval for the use of their study data and photographs in published literature
7. Subject willing and able to comply with study follow-up procedures and schedule
8. Subject affiliated to a health social security system
9. Females of childbearing potential should use a medically accepted contraceptive regimen for at least 12 weeks prior to study entry and during the study
10. Subject willing to commit to having no further facial aesthetic treatments below the zygomatic arch for the duration of the study period, including follow-up

### Participant type(s)

Healthy volunteer

### Healthy volunteers allowed

No

### Age group

Adult

### Lower age limit

18 years

### Upper age limit

65 years

### Sex

All

### Total final enrolment

68

### Key exclusion criteria

1. Pregnant or nursing woman or planning a pregnancy during the study
2. Subject who had been deprived of their freedom by administrative or legal decision or who is under guardianship
3. Subject in a social or sanitary establishment
4. Subject suspected to be non-compliant according to the investigator's judgment
5. Subject is an employee of the investigational site, the CRO or the study sponsor
6. Subject with scar(s), mole(s) or anything on the studied zones which might interfere with the

evaluation (tattoo, permanent make-up)

7. Subject with major dental problems

8. Subject under epidemiologic surveillance / in quarantine linked to the COVID-19 pandemic

9. Subject suffering from a severe or progressive disease or any other pathology that may interfere with the evaluation of the study result and/or subject safety

10. Subject with a known history of or suffering from autoimmune disease and/or immune deficiency

11. Subject with porphyria

12. Subject with a known history of streptococcal disease (recurrent throat infections, acute rheumatic fever with or without cardiac involvement)

13. Subject suffering from active disease such as inflammation, infection, tumours, inflammatory and/or infectious cutaneous disorders (herpes, acne, rosacea) on or around the lips within 6 months of the study entry

14. Subject predisposed to keloids or hypertrophic scarring

15. Subject with a known bleeding disorder or is receiving medication that will likely increase the risk of bleeding during treatment

16. Subject with a known history of precancerous lesions/skin malignancies

17. Subject with hypersensitivity or with known allergy to: hyaluronic acid, lidocaine, amide-type local anaesthetics or to one of the components of the tested devices or antiseptic solution

18. Subject with a known history of severe allergy or anaphylactic shock

19. Subject having received any medication which may interfere, at the interpretation of the investigator, with the study objectives in terms of efficacy and safety

20. Subject having received treatment with a laser or UV, dermabrasion, surgery, deep chemical peeling or any other procedure based on active dermal response on/around the lips within the past 6 months

21. Subject received within the past 12 months hyaluronic acid injections (not including this study) on or around the lips

22. Subject received at any time permanent filler (e.g. poly lactic acid, PMMA, silicone) on or around the lips

23. Subject received at any time a lip threading surgery

24. Subject received oral surgery (e.g. tooth extraction, orthodontia or implantation) within 6 weeks prior to study entry

25. Subject using medication such as aspirin, nonsteroidal anti-inflammatory drugs (NSAIDs), antiplatelet agents, thrombolytics or anticoagulants within one week prior to injection visit and 1 month after treatment

26. Subject having started or changed his/her oral contraceptive or any other hormonal treatment during 12 weeks prior to study entry

**Date of first enrolment**

25/04/2022

**Date of final enrolment**

01/10/2022

**Locations**

**Countries of recruitment**

France

**Study participating centre**  
**Cabinet renaissance**  
54 rue Voltaire  
Levallois Perret  
France  
92300

## Sponsor information

**Organisation**  
Sinclair Pharma

**ROR**  
<https://ror.org/00ab7gt92>

## Funder(s)

**Funder type**  
Industry

**Funder Name**  
Sinclair Pharmaceuticals Limited

## Results and Publications

### Individual participant data (IPD) sharing plan

The datasets generated during and/or analysed during the current study are not expected to be made available because this is not needed by the sponsor. The sponsor will only establish a global database with all participants data. Data will be kept by the site for 1 year after the end of the trial, then data will be archived for 15 years by a CRO's subcontractor.

### IPD sharing plan summary

Not expected to be made available

### Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Basic results</a>		30/09/2024	30/09/2024	No	No