

Blog post SAS-FISEVI – January 2025

LUCIA Project: A New Hope for Early Detection of Lung Cancer with collaboration of the population

Lung cancer is one of the deadliest cancers, largely because it is usually diagnosed when it is too late for effective treatment. But what if we could detect it much earlier, when it is still treatable?

That is exactly what the LUCIA Project is looking for, a pioneering initiative that investigates new non-invasive ways of detecting lung cancer in its early stages and that has recently deployed the process of recruiting volunteers in the province of Seville, specifically, in the Aljarafe-Sevilla Norte Health District.

How are Patients recruited for the LUCIA Project?

The LUCIA Project is open to volunteers who want to contribute to this research that can save lives. Recruitment of participants is done through three main channels:

1. Primary care professionals: Medical and nursing staff at health centers recommend potential candidates during their regular consultations.
2. Posters with QR codes: Located in the local area of each municipality. Those interested in participating can do so by scanning the QR code that allows access to a form and leaving their contact details.
3. Recommendation of current participants: People who are already participating in the study can encourage friends or family to join.

What is the recruitment process being carried out?

Once they show interest, a member of the LUCIA Project team will contact the person by phone. During the call, a few questions will be asked to verify that the interested party meets the inclusion criteria of the study. If eligible, an appointment will be arranged with the person on the day and at the time that best suits them.

Before the appointment, they will receive a reminder via WhatsApp with the necessary instructions for the day of their appointment. It is essential that the person comes fasting at least three hours before the visit and does not smoke in the three hours before the meeting.

When the volunteer arrives, the team will explain to them again what the study consists of and ask them to sign an informed consent. After that, the first evaluation will begin.

Who can participate?

The LUCIA Project in Seville aims to recruit 1,000 participants. It is open to people between 40 and 80, smokers or non-smokers. Therefore, we emphasize the message that even if the person does not consider themselves at risk of lung cancer, their participation is still very valuable, since the study aims to evaluate a diverse population to validate the effectiveness of early detection methods.

Where is the recruitment process taking place?

The recruitment of participants is taking place in several Health Centers of the Aljarafe-Sevilla Norte Health District:

- Carmona Health Center
- Gerena Health Center
- Los Carteros Health Center

These centers are actively collaborating with the LUCIA Project to recruit as many volunteers as possible to obtain better data in the population sample required.

What is the goal of recruitment?

The LUCIA Project team has an ambitious goal of reaching 100% of the necessary recruitment, that is, getting the 1,000 people needed for the Seville node to participate in the study. It is a significant challenge, but each person who joins brings this project a little closer to making a real difference in the future of lung cancer detection.

Why should the population participate?

Each volunteer who joins the LUCIA Project will have access to an innovative screening process that is not yet available in routine medical care, in addition, of course, to contributing to research that could save lives in the future.

Recruiting these people will help validate new non-invasive techniques for the early detection of lung cancer, an aspect to highlight when encouraging participation and allowing advances that revolutionize how this disease is detected.



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