

Tumor localization that simply makes sense

Why pinpoint localization?

Population-wide screening programs for breast cancer have led to a sharp increase in the detection rate of small and non-palpable breast tumors. As a consequence, surgeons are faced with increasingly challenging procedures as they must locate and operate on these demanding tumors. Surgical localization techniques are indispensable in guiding the surgeon to the right location during breast cancer surgery.



The gold standard is on its last legs

Wire-guided localization has been the gold standard for these procedures ever since its introduction in the 1970s [1]. However, the use of wires is not ideal. Clinics need to carefully plan their radiology and surgery schedules to prevent delays; surgeons do not have freedom of approach, as the wire entry site may be different from the ideal skin incision location and the wire placement procedure leads to additional pain and stress on an already stressful surgery day for patients.

Surgeons demand change

Now, more than 40 years after the introduction of wire-guided localization, it's time for a change. In recent years, new devices have been developed that overcome many of the disadvantages of wires. Of these, radioactive seed localization is the most prominent newcomer. However, the use of tiny radioactive sources and its strict chain of custody requirements introduce radiation safety concerns, resulting in limited adoption.

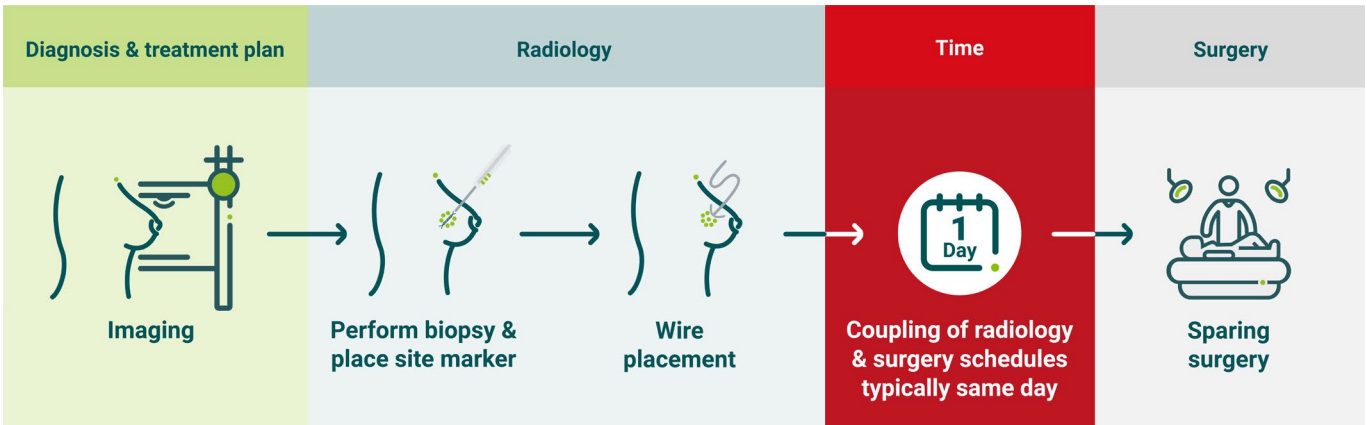
[1] H. A. Frank, F. M. Hall, and M. L. Steer, "Preoperative Localization of Nonpalpable Breast Lesions Demonstrated by Mammography," N. Engl. J. Med., vol. 295, no. 5, pp. 259–260, Jul. 1976.

Optimized hospital workflow

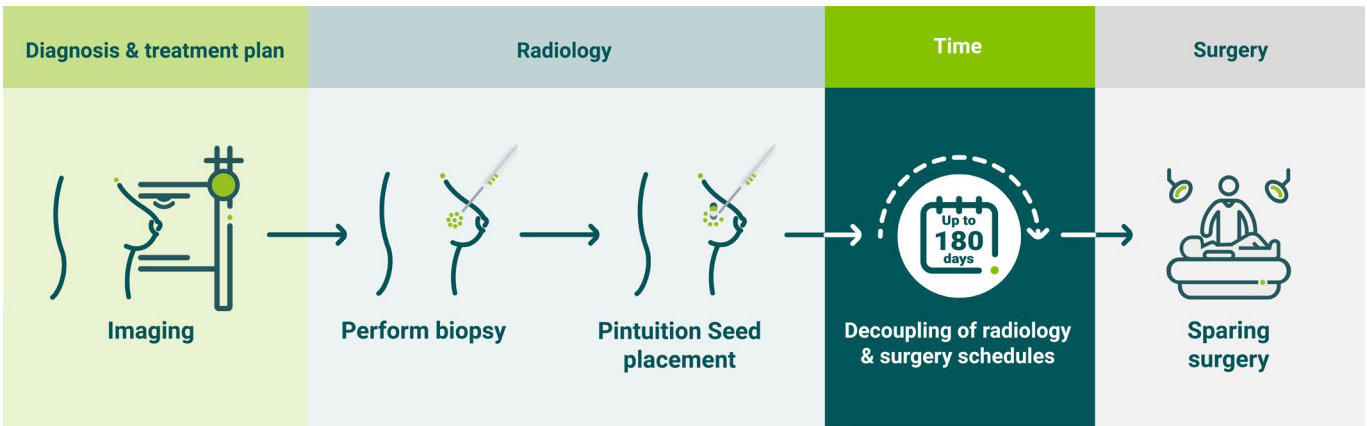
Sirius Pintuition® provides surgical oncologists with a high precision, easy-to-use, and affordable solution that contributes to an improved hospital workflow. The Sirius Pintuition seed can be placed up to 180 days before the surgery to mark a target within soft tissue*.

*Please refer to the product instructions for use

Current situation



Sirius Pintuition situation



SiriusLink

Sirius Medical recognizes that care pathways are unique for each clinic. Our SiriusLink program was designed to identify the true time and cost benefit to be gained when switching to Sirius Pintuition, regardless of the type of clinic. With the data obtained from the SiriusLink program, Sirius wants to help clinics build a business case that is specific for their clinic.

Sirius Pintuition powered by



Precise navigation in all cases

Our Sirius Pintuition system powered by GPSDetect™ software is the only wire-free localization system that is designed to provide navigational guidance in an easy to use and intuitive package. It provides real time directional feedback using audio and visual guidance for unmatched precision to locate tumors more easily and accurately.

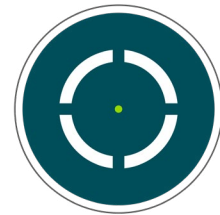
“It’s like switching from a compass to full GPS”



Navigational Guidance



Point source localization



TargetLOC™

Our unique detection platform consists of the **GPSDetect™ software** with **TargetLOC™** functionality and a **multi-sensor probe** allowing **detection up to 50 mm**. This combination of **precision technology** allows us to create **multiple detection fields** represented using **visual and audio feedback**, creating **highly precise navigation guidance** for users. Additionally, our unique TargetLOC™ feature allows surgeons to visualize when the probe is perfectly aligned above the seed.

Sirius Pintuition system components



Pintuition Needle

- **14G Needle** that comes sterile and pre-loaded with the Pintuition Seed.
- **Ultrasound-enhanced tip**



Pintuition Probe

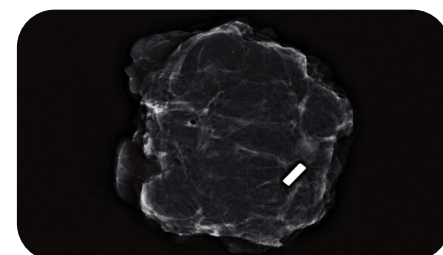
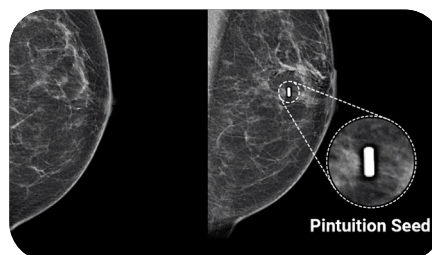
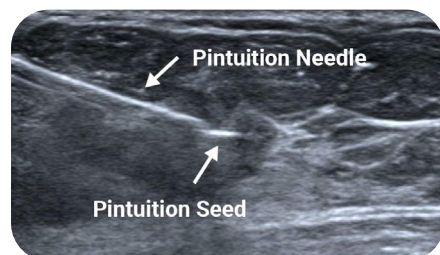
- **50 mm** of directional detection range
- **Multi sensor** that allows for **precise navigation**
- **One time calibration** before each procedure
- **Handheld, reusable, durable and robust**



Pintuition Base unit

- **Directional feedback** using audio and visual guidance
- Unique **smart detection** algorithm
- **TargetLOC™**, perfect alignment of the probe with the seed

Imaging modalities



The Pintuition seed has excellent visibility on major imaging technologies

The story of Sirius Medical

We are a spin-off from the Netherlands Cancer Institute and have our roots firmly embedded in the surgical clinic. At the Netherlands Cancer Institute, researchers recognized the need and opportunity to simplify and improve the localization technology for the surgical removal of breast cancers. This work resulted in the first development and clinical demonstration of magnetic seed localization.

Sirius Medical perfected this technique and further developed this to a product, the Sirius Pintuition System. We were born to make things better; we are passionate about bringing better solutions while making healthcare more affordable. We are proud of our partnerships with medical professionals; together we develop surgical solutions to improve care for cancer



Mission

We improve care for cancer patients by delivering unsurpassed, yet affordable solutions that enable precise and efficient surgical removal of early stage tumors.

We strive to be a trusted partner in the clinic and for the surgical treatment of cancer patients:

- Intuitive and accurate devices that enable surgeons and radiologists to deliver optimal care
- Compelling evidence on performance, outcomes, and health- economics
- Affordable solutions that provide value across the patient care pathway

Do you want know more about us? Scan the QR code





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