

Rhetorical Situation

Audience: radiologists and oncologists and/or breast cancer patients

Purpose: to introduce the MOLL2 system as a safe, innovative option to opt for for breast cancer localization and surgery

Context: breast cancer awareness summit



Presentation Overview

Introduction

History of Breast Cancer Localization

What is the MOLLI2 System?

How Can the MOLLI2 Help?

Final Notes

Introduction

Introduce the MOLLI 2 System

Explore the benefits of Wire-Free localization

History of Breast Cancer Localization

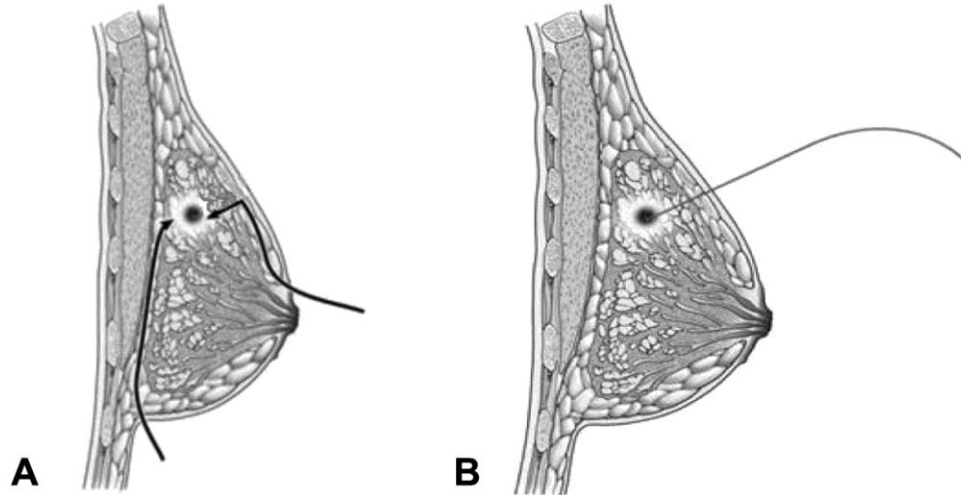
Wire-Guided Localization

Wireless Localization Benefits

Radioactive Seed Localization

Magnetic Seed Localization

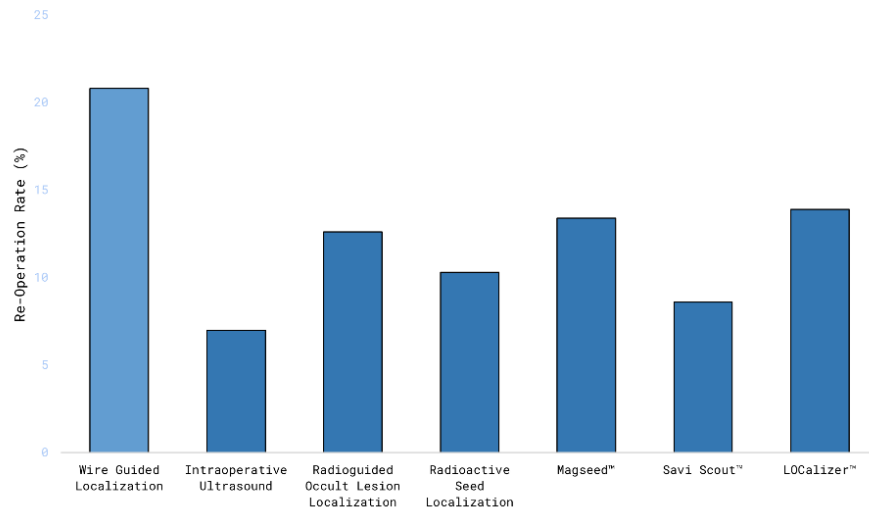
Wire-Guided Localization (WGL)



History of Breast Cancer Localization

Wireless Localization Benefits

Re-Operation Rate of Wire vs. Non-Wire Localization Techniques



Source: B. H. H. Cheung, M. Co, T. T. N. Lui, and A. Kwong, "Evolution of localization methods for non-palpable breast lesions: a literature review from a translational medicine perspective," *Translational Breast Cancer Research*, vol. 5, pp. 12-12, Apr. 2024, doi: <https://doi.org/10.21637/tbcr-23-49>.

Wireless Localization Benefits

85-100%

Patient satisfaction rate

Radioactive Seed Localization (RSL)

Improved efficiency of the Ottawa Hospital, with up to nine more procedures a day

Radioactive seed can be implanted up to five days before surgery

Radioactive Seed Localization (RSL)

Close collaboration between nuclear medicine
and surgical departments

Damage to seed could cause release of
radioactive material

History of Breast Cancer Localization

Magnetic Seed Localization (MSL)



Magnetic Seed Localization (MSL)

Operating room equipment known to interfere
with magnetic signal

What is the MOLLI2 System?

MOLLI Surgical

MOLLI Marker and Introducer

The MOLLI2 Tablet

MOLLI Oncopen

Re.markable

What is the MOLLI2 System?

MOLLI Surgical

Toronto-based company

Pioneer in the breast cancer localization field

The MOLLI2 tablet and the Re.markable were released
in April 2023

What is the MOLLI2 System?

MOLLI Marker and Introducer

The 14 gauge Introducer needle comes pre-loaded with the marker

The Marker is a neodymium magnet about the size of a sesame seed



What is the MOLLI2 System?

The MOLLI2 Tablet

Provides directional feedback so the surgeon can pinpoint the location of the marker

Lightweight, and can be fitted to an IV pole



What is the MOLLI2 System?

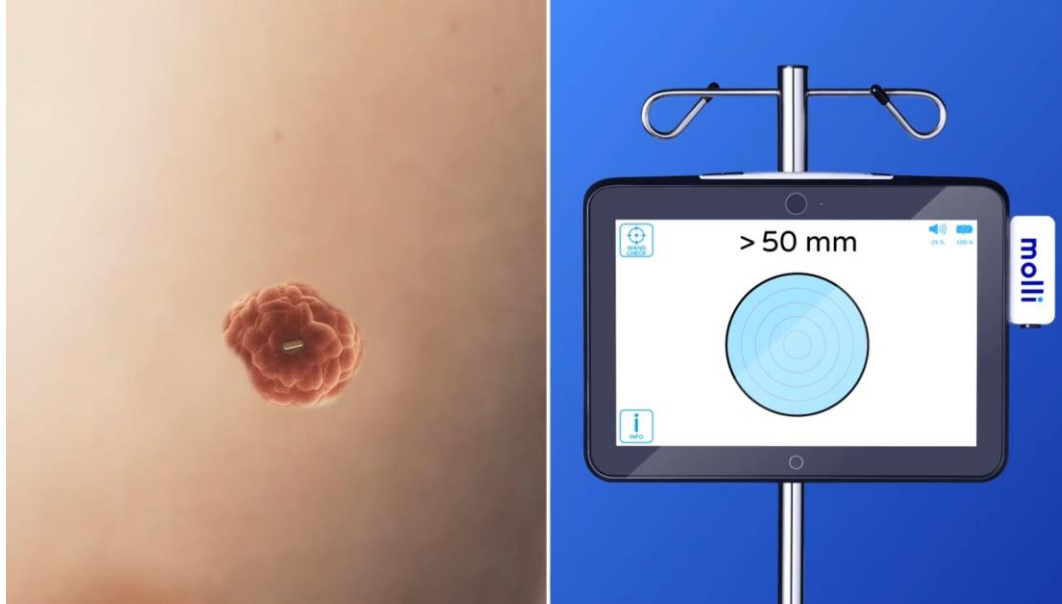
MOLLI Oncopen

Magnetic probe used to detect the marker



What is the MOLLI2 System?

MOLLI Oncopen



What is the MOLLI2 System?

Re.markable

Attracts the marker and removes it
from the tissue



What is the MOLLI2 System?

Re.markable



How Can the MOLLI2 Help?

How Does MOLLI Benefit Patients?

How Does MOLLI Benefit Physicians?

How Can the MOLLI2 Help?

Patients

Wireless localization minimizes discomfort in patients

Re:markable reduces need for invasive surgery in case of misplacement of the marker

Marker can be implanted up to 30 days before surgery, creating more flexible scheduling

How Can the MOLLI2 Help?

Physicians

MOLLI 2 Tablet's simple UI and clear instructions minimizes cognitive load for the surgeon

Onopen's ergonomic design provides a pen-like feel and an unobstructed visual field

MOLLI 2 System is resistant to magnetic interference, eliminating need for specialized equipment

Final Notes

Conclusion

Additional Resources

Q&A

References

Final Notes

Conclusion



Final Notes

Conclusion



Final Notes

Conclusion



Final Notes

Conclusion



Additional Resources

Healthcare Professionals

<http://mollisurgical.com/healthcare-professionals/>

H.O.P.E.

<http://mollisurgical.com/hope/>

Final Notes

Q&A



References

- [1] Canadian Cancer Society, “Breast cancer statistics,” *Canadian Cancer Society*, 2020. <https://cancer.ca/en/cancer-information/cancer-types/breast/statistics>
- [2] B. H. H. Cheung, M. Co, T. T. N. Lui, and A. Kwong, “Evolution of localization methods for non-palpable breast lesions: a literature review from a translational medicine perspective,” *Translational Breast Cancer Research*, vol. 5, pp. 12–12, Apr. 2024, doi: <https://doi.org/10.21037/tbcr-23-49>.
- [3] A. Nicolae, J. Dillon, M. Semple, N. L. Hong, and A. Ravi, “Evaluation of a Ferromagnetic Marker Technology for Intraoperative Localization of Nonpalpable Breast Lesions,” *American Journal of Roentgenology*, vol. 212, no. 4, pp. 727–733, Apr. 2019, doi: <https://doi.org/10.2214/ajr.18.20195>. (accessed October 18, 2024).
- [4] J. Hammerand, “Simplicity and studies were key for Molli’s magnetic surgical marker,” *Medical Design and Outsourcing*, May 03, 2023. <https://www.medicaldesignandoutsourcing.com/molli-remarkable-magnetic-surgical-marker-simplicity-studies/> (accessed Oct. 18, 2024).
- [5] Y. hany elzohery, M. M. Gomaa, G. Mohamed, Waleed Mohamed Fadlalla, S. N. Taha, and M. H. Ibraheem, “Comparison of wire-guided localization (WGL) and radio-guided occult lesion localization (ROLL) in localization of non-palpable breast lesions,” *World Journal of Surgical Oncology*, vol. 21, no. 1, Aug. 2023, doi: <https://doi.org/10.1186/s12957-023-03152-0>.
- [6] MOLLI Surgical, “What Physicians Are Saying About MOLLI Oncopen” (video file), <http://mollisurgical.com/molli-oncopen/> (accessed October 18, 2024).