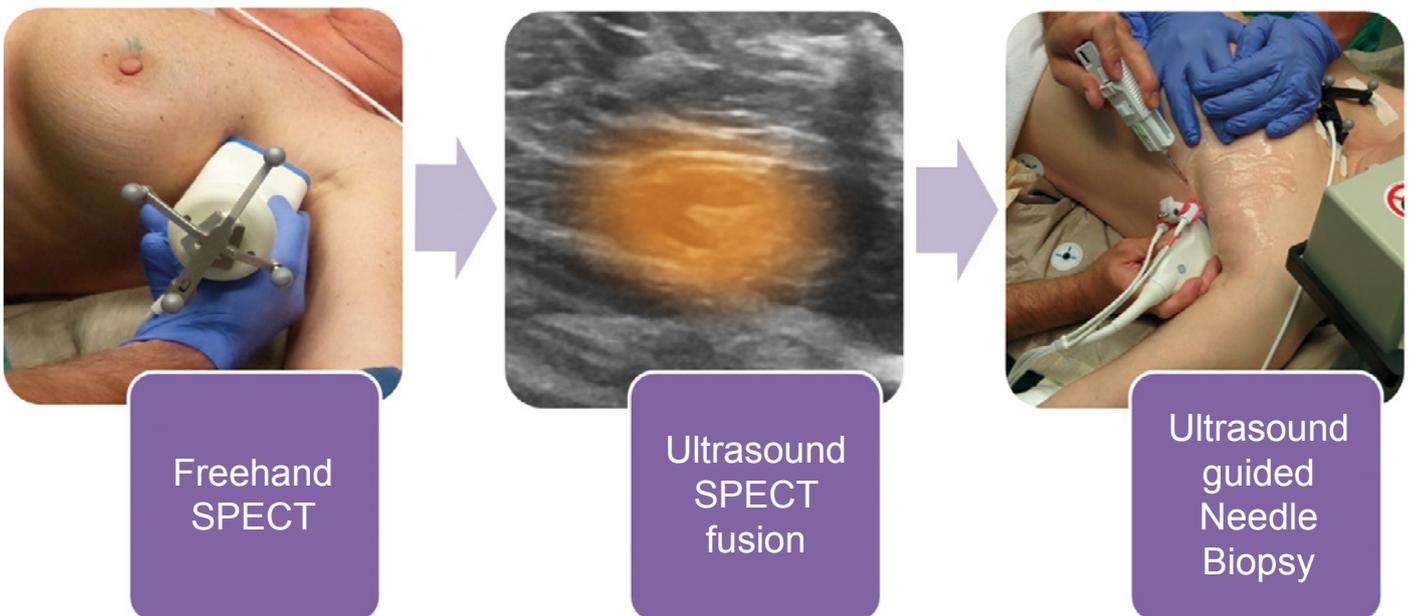


SentiGuide

Preoperative SLNB

SentiGuide allows a preoperative mapping of the sentinel lymph node to enable needle biopsy. This is achieved by augmenting a high-resolution 3D SPECT image on the ultrasound image and then performing an ultrasound guided needle biopsy instead of extracting the sentinel lymph node by means of surgery.

Workflow



Proposed clinical benefits



Reduced OR time since the status of the sentinel lymph node is known beforehand. Main surgery and ALND (if indicated) can be done all in one. No waiting time for the frozen section during surgery.



Reduced complication rate for the preoperative SLNB compared to the normal surgical approach.



No stand-alone SLNB for patients that get a neoadjuvant chemo therapy.



Patient dose reduction by factor of 4 since preoperative SLNB can be done shortly after injection. No 2-day protocol needed.



„Early study results show that the minimal invasive needle biopsy sampling is identical to the surgical procedure and the complete removal of sentinel lymph nodes. If this is confirmed with larger number of patients, it could be within short time clinical standard of care.

The image fusion of SurgicEye combining SPECT and ultrasound is an essential tool for guidance in order to biopsy the correct lymph node, the highlighted sentinel lymph node.”

Dr. Stefan Paepke
Frauenklinik, Klinikum rechts der Isar, Munich, Germany

How does SentiGuide work?

The SentiGuide generates SPECT images using a highly sensitive handheld gamma camera combined with an optical navigation system. By scanning around the region of interest, data is constantly acquired and used to reconstruct a high-resolution SPECT image.



Handheld Gamma Camera:

- CZT (CdZnTe)
- 16x16 detector matrix
- Minimal distance to the patient
- 2.5mm x 2.5mm pixels
- 5% energy resolution
- Co-57, I-123, Tc-99m



This 3D image is overlaid on a real-time ultrasound image. The registration of both images is done completely automatic and requires no user input.

Compatible ultrasound systems:

- GE LOGIQ E9 (R4 / XDclear)

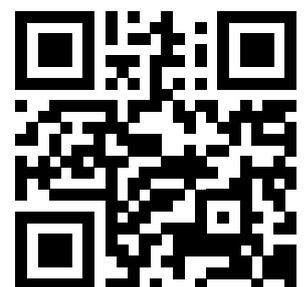


SurgicEye GmbH
Friedenstrasse 18a
81671 Munich
Germany
info@surgiceye.com
Phone +49 89 549 9890 00
Fax +49 89 549 9890 90

SentiGuide
is developed and manufactured
in Munich, Germany
by **SurgicEye GmbH**

SurgicEye, declipse and declipseSPECT
are registered trademarks of **SurgicEye GmbH** in the EU and US

Recommendations of this flyer are subject to be validated by the user with your national guidelines.



www.sentiGuide.com