Holo4Med

Smarter Guidance for Tumor Ablation



HoloMIAI

HoloMIAI is a clinician support system for minimally invasive abdominal ablation. It converts standard DICOM imaging into a personalized 3D model of the patient so the physician can plan and navigate the procedure with greater confidence.

Why it is innovative

What makes it innovative is the combination of patient-specific 3D anatomy, computer-assisted treatment planning, real-time tool tracking, CT/ultrasound image fusion, breathing-phase tracking, and AR visualization in one workflow.

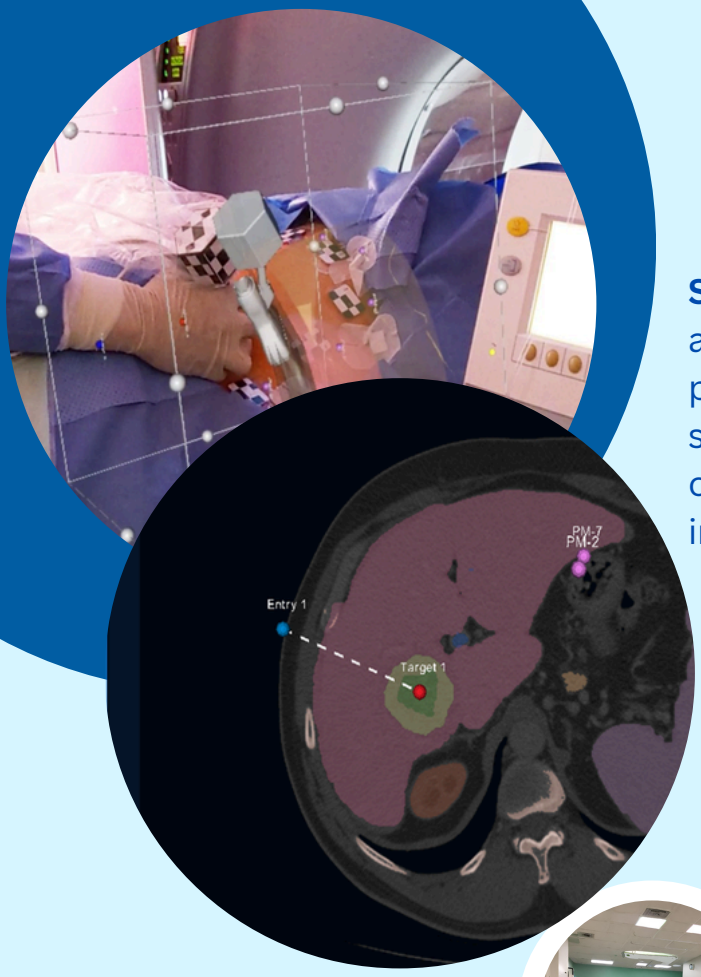
Five reasons it matters:

- increase accuracy,
- shorten the timing of the surgery,
- reduce repeats of ablation surgeries,
- reduce the numer of CT during the surgery
- optimise the costs

What it changes

Instead of relying mainly on conventional 2D imaging during ablation, the team can use a more intuitive, spatial view of the anatomy and needle trajectory before and during the intervention.

HoloMiAi



Status: ready for FDA and MDR certification according to the company presentation. The presentation also states that the solution has supported 40 ablation procedures, with PoCs completed or in preparation at clinical centers in Poland, the US, Turkey, Italy, and Germany

BENEFITS:



FOR CLINICS

- Promote innovative training in ablation and percutaneous biopsy, facilitate simulation and planning, utilize 3D holographic visualization for educational purposes, and showcase cases in auditorium lectures and 3D presentations during consultations
- Reduced radiation exposure for physicians, improving occupational safety and supporting long-term workforce wellbeing.



FOR PATIENTS

- More personalized treatment planning based on the individual patient's anatomy
- Potential for a shorter procedure and fewer repeated interventions
- Less dependence on repeated intraoperative CT imaging

CONTACT US :

Anna Janiczek, CSO
Anna.janiczek@holo4med.com
+48 666 880 342
www.holo4med.com