



*Advancing ablation
with robotic-assisted
smart technology*

Streamline ablation procedures with an all-in-one solution

Epione® is a state-of-the-art robotic-assisted platform designed to support physicians with **percutaneous tumor ablation in abdomen, chest and musculoskeletal structures**.^{1,2}

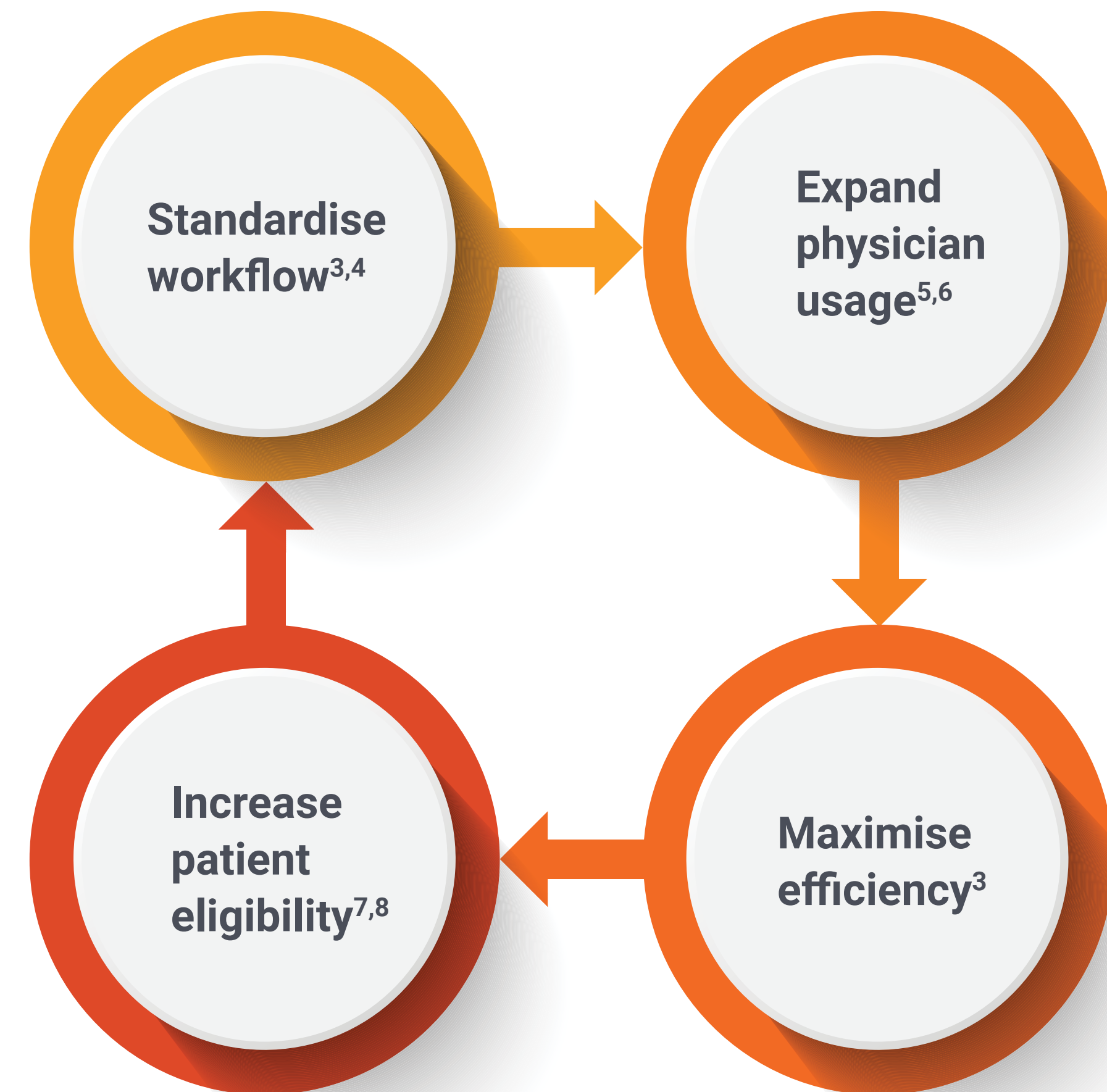
Percutaneous ablation is underutilised as a first-line treatment for cancer patients due to procedural workflow limitations and complexities. Epione® is designed to overcome these challenges. Compatible with a physician's preferred ablation technology (MWA, RFA, cryo, IRE, ECT), Epione® standardises minimally invasive ablation through image-guided navigation, advanced robotic assistance, and tumour ablation confirmation.

 **WATCH** How it works



Epione[®] supports your programme in reducing backlog and increasing procedural volume

 **WATCH** Clinician Experiences





Position the Epione® Robotic System to fit into existing procedure suites

- Flexible wheel-in and wheel-out carts in your CT suites.
- Accommodate your workflow preferences with multiple layout configurations.



[WATCH](#) Patient Setup



Track patient movement and respiration under general anesthesia

- The **Patient Reference** allows you to register the patient position using the acquired CT scan, enabling needle placement to be performed outside the gantry.
- Set reference level to ensure the same level of apnea or jet-ventilation during imaging and probe placement.



[WATCH](#) Patient Registration



PLAN



TARGET



DELIVER

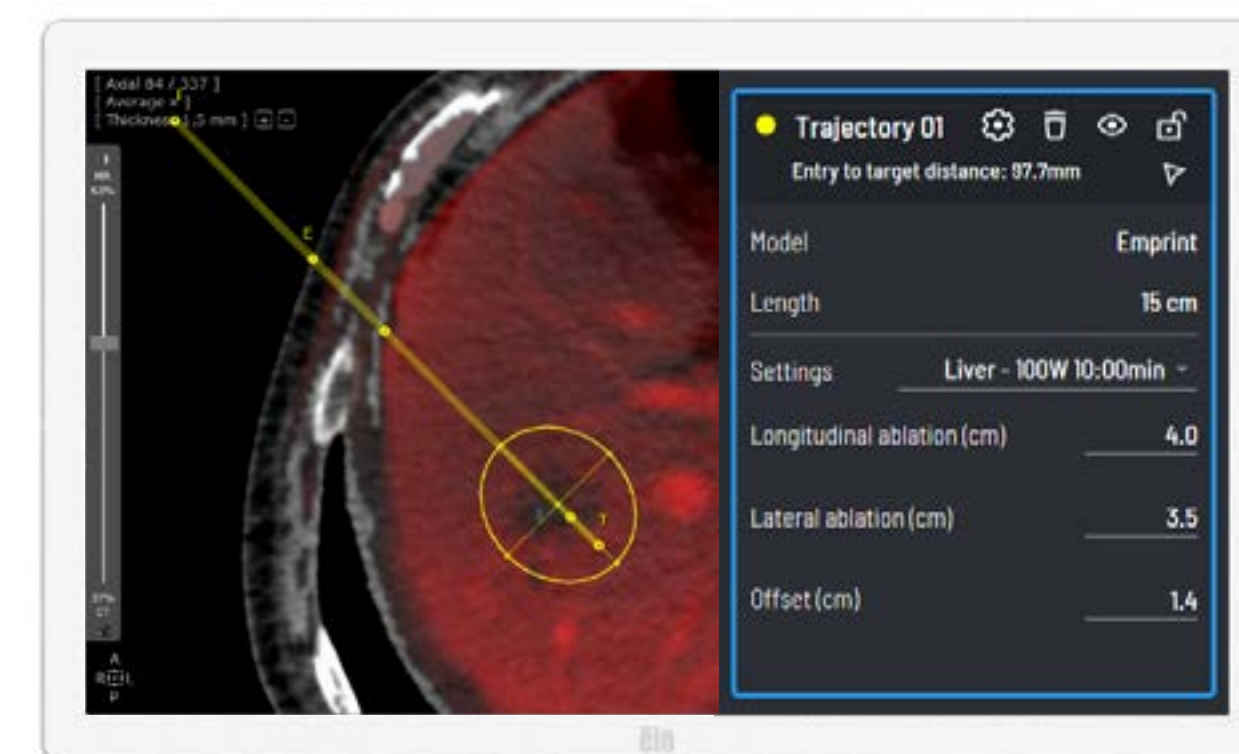


CONFIRM



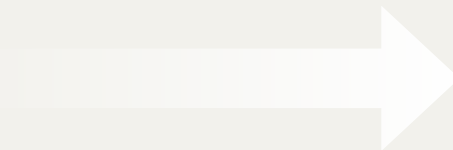
Plan and confirm precise multi-needle placements and oblique trajectories with **Epione® Planning Software**

- Improve tumour visualisation with fused MRI and CT images, and segment tumours in 3D with the **Epione® Smart Segmentation** tool.
- **Epione® Smart Planning** module efficiently targets tumours using preset multi-needle patterns to achieve precise, optimal positioning and coverage.

[▶ WATCH](#) Single-needle MWA[▶ WATCH](#) Multi-needle MWA[▶ WATCH](#) Multi-needle Cryo[▶ WATCH](#) Multi-needle IRE



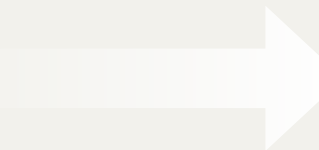
PLAN



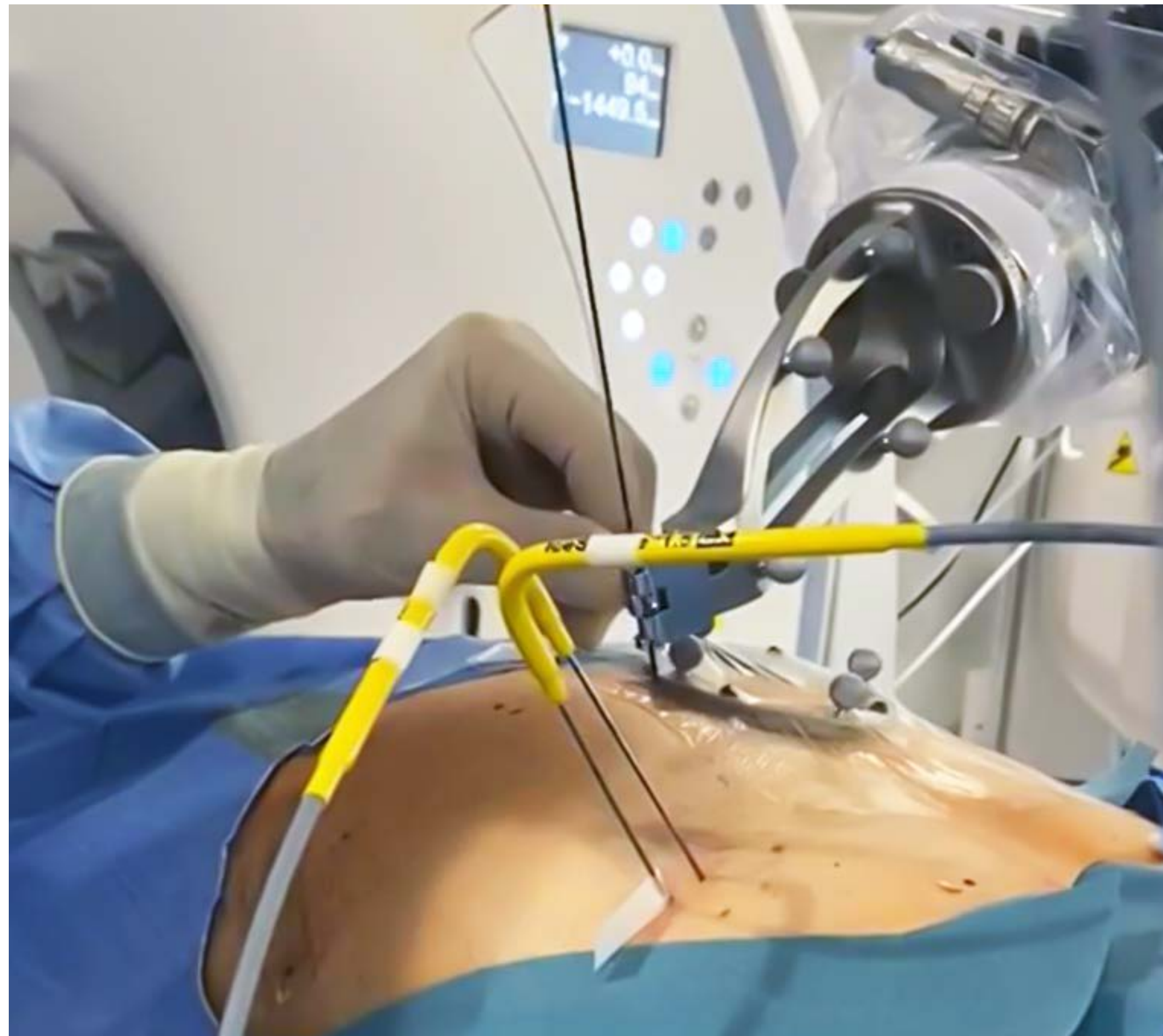
TARGET



DELIVER



CONFIRM



Place needles in minutes with accuracy and precision with the guidance of the **Epione® Robotic Arm**

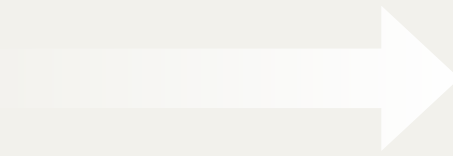
- **Epione® Robotic Arm** precisely positions the instrument guide at the desired location, angle and depth, and organises the order of multi-needle placements for ease of access.
- Remain in control with manual needle insertion allowing for tactile feedback.

Read more about Epione® accuracy by downloading our Clinical Evidence Guide of peer-reviewed journal papers.

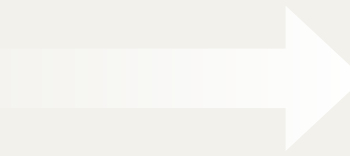
[DOWNLOAD](#)



PLAN



TARGET



DELIVER

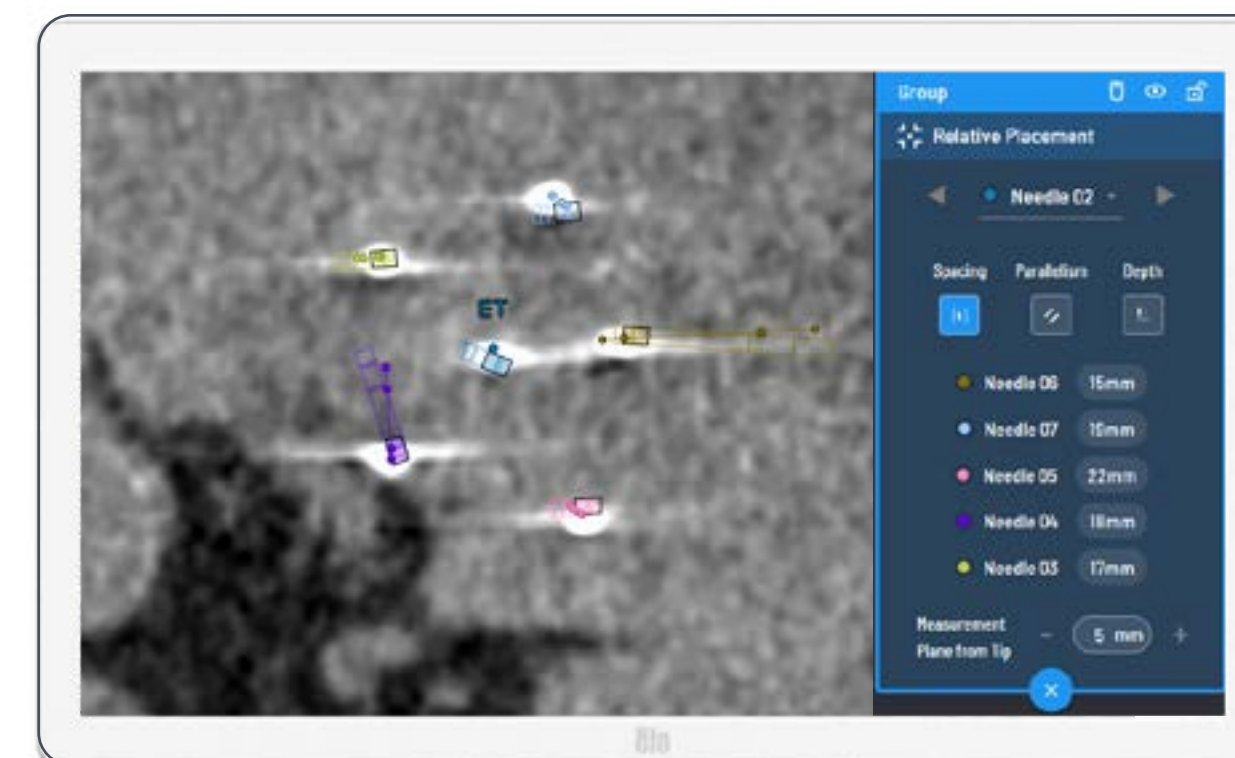


CONFIRM



Achieve complex configurations and confirm correct placement with **Epione® Smart Control**

- **Epione® Smart Control** module verifies accuracy of needle placement and allows modification of the treatment plan, if needed.
- Limit radiation exposure to physicians⁵ with needle placements performed outside the gantry.

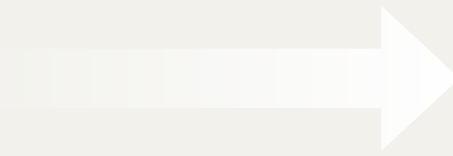


 **WATCH** Single-needle Placement

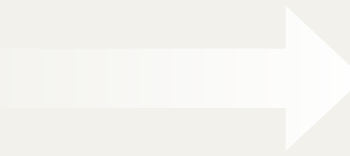
 **WATCH** Multi-needle Placement



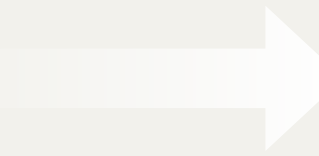
PLAN



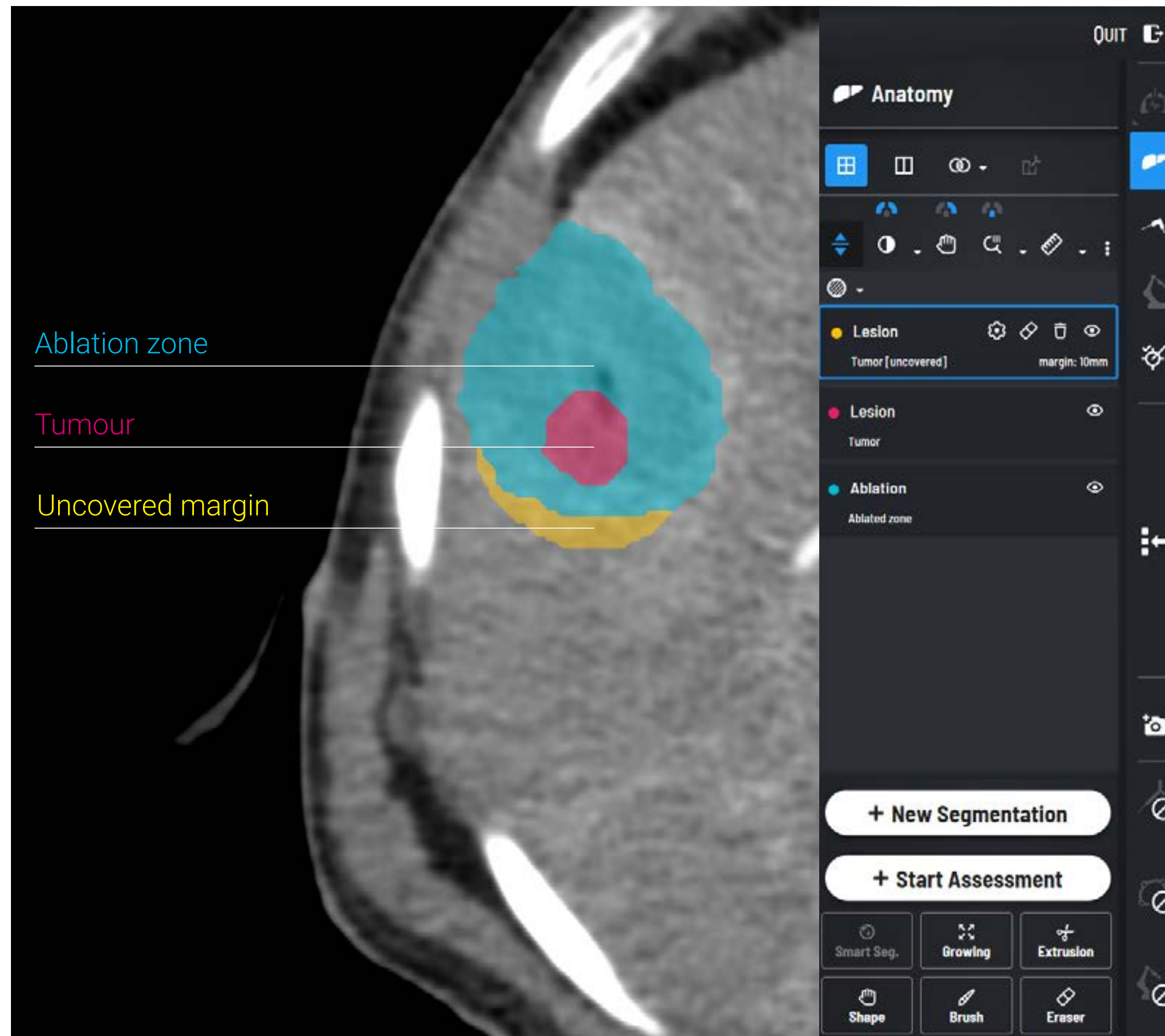
TARGET



DELIVER



CONFIRM



Confirm tumour margin coverage immediately following the procedure with **Epione® Confirmation Software**

- **Epione® Confirmation Software** fuses pre- and post-ablation images to easily visualise and assess minimal ablative margin.
- The **ACCLAIM Trial** approves of **Epione® Confirmation Software** for its participating institution sites, requiring them to confirm achieved ablation margins intraprocedurally.

Read about the ACCLAIM Trial and how confirmation may help establish ablation as a preferred curative therapy.

[LEARN MORE](#)[WATCH Confirmation](#)

Contact

Quantum Surgical SAS
1000 rue du mas de Verchant
34000 Montpellier
France

Quantum Surgical Inc.
9905 NW 17 Street, #108
Miami, FL 33172
USA



QuantumSurgical.com



info@quantumsurgical.com



QuantumSurgical

1. U.S. Food and Drug Administration. 510(k) Summary for Epione. Silver Spring, MD: FDA; 2023. K223758.
2. TÜV Rheinland (August 31, 2021). MDR Ann. IX, Chapt I Certificate (Certificate No. HZ 1551912-1). Quantum Surgical SAS. [https://www.certipedia.com/certificates/HZ+1551912-1].
3. Najafi G, Kreiser K, Abdelaziz MEMK, Hamady MS. Current State of Robotics in Interventional Radiology. *Cardiovasc Intervent Radiol.* 2023;46(5):549-561. doi:10.1007/s00270-023-03421-1.
4. Charalampopoulos G, Bale R, Filippiadis D, Odisio BC, Wood B, Solbiati L. Navigation and Robotics in Interventional Oncology: Current Status and Future Roadmap. *Diagnostics (Basel).* 2023;14(1):98. Published 2023 Dec 31. doi:10.3390/diagnostics14010098.
5. Bodard S, Guinebert S, Dimopoulos PM, Tacher V, Cornelis FH. Contribution and advances of robotics in percutaneous oncological interventional radiology. *Bull Cancer.* 2024. doi:10.1016/j.bulcan.2024.06.004.
6. Moschovas MC, Bravi CA, Dell'Oglio P, et al. Current practice and unmet training needs in robotic-assisted radical prostatectomy: investigation from the Junior ERUS/YAU working group. *World J Urol.* 2024;42(1):59. Published 2024 Jan 27. doi:10.1007/s00345-023-04713-4.
7. Ayabe RI, Azimuddin A, Tran Cao HS. Robot-assisted liver resection: the real benefit so far. *Langenbecks Arch Surg.* 2022;407(5):1779-1787. doi:10.1007/s00423-022-02523-7.
8. Vernuccio F, Messina C, Merz V, Cannella R, Midiri M. Resectable and Borderline Resectable Pancreatic Ductal Adenocarcinoma: Role of the Radiologist and Oncologist in the Era of Precision Medicine. *Diagnostics (Basel).* 2021;11(11):2166. Published 2021 Nov 22. doi:10.3390/diagnostics11112166.



Epione® device is CE marked for abdomen, chest and musculoskeletal structures indications, and FDA cleared for abdominal ablation indication.©2025 Quantum Surgical SAS. All rights reserved. Product and brand names/logos are trademarks of Quantum Surgical. MKT-PDT-0037 RevC. Issued: Aug-2025.