

Robotic-assistance for percutaneous MSK procedures*

Now indicated for musculoskeletal (MSK) procedures*, Epione® offers a new approach for **bone ablation and consolidation**.

Through image-guided navigation (CT or CBCT), Epione® provides mechanical guidance for insertion of straight, rigid instruments into bone, where significant mechanical forces (e.g., hammer strikes) may be required.

Epione® allows precise insertion into the bone by maintaining the axis of the instrument along **out-of-plane trajectories and challenging corridors**.

Epione® assists in the delivery of MSK treatments, including:

- **bone tumour ablation**
- **pelvic osteosynthesis and cementoplasty**
- **vertebroplasty**



Case study:
Vertebroplasty



Case study:
**Vertebroplasty and
pelvis cementoplasty**

Clinical evidence

J Vasc Interv Radiol. 2025 Jan 21.

BONNET B., STACOFFE N., MILOT L., *et al.*

In vivo Safety and Feasibility of a Computed Tomography-Guided Robotic Device for Percutaneous Placement in Bone



Pre-clinical study results:
**Safe, feasible, and highly
accurate in preclinical model**



Case study:
**Pelvis osteosynthesis
and cementoplasty**

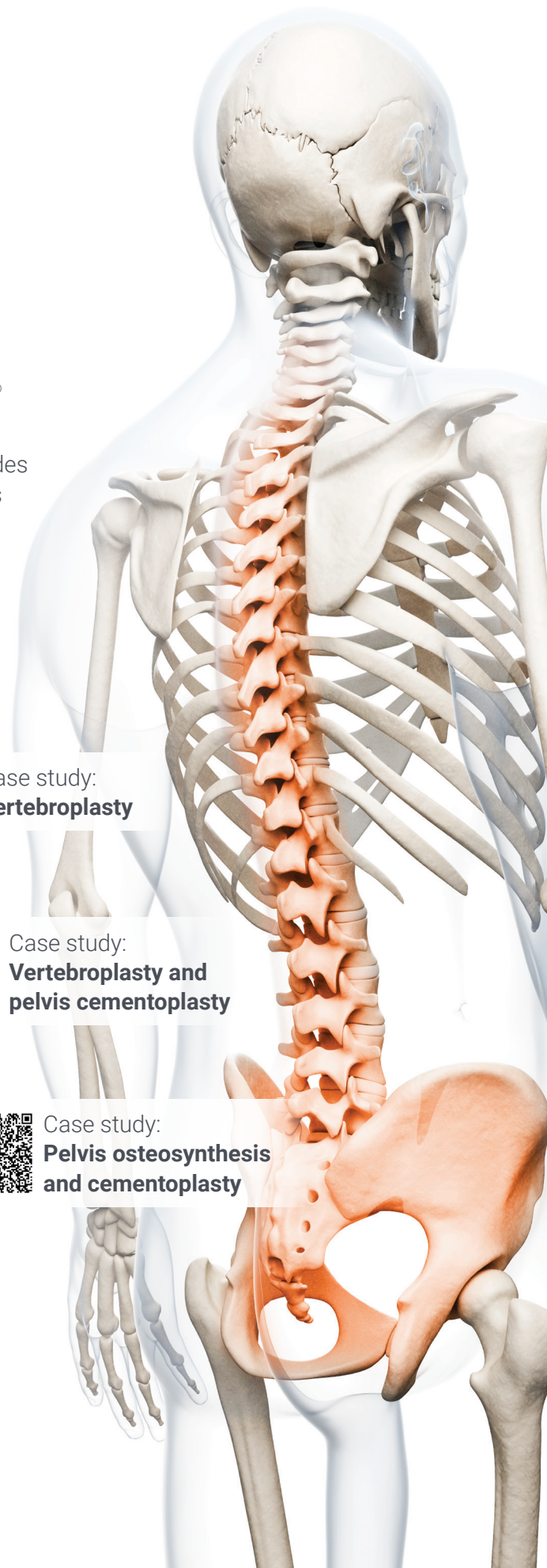
Scientific presentation at ECIO 2025

BONNET B. *et al.* (Gustave Roussy)

313.2 / Feasibility, safety and accuracy of robotic-assisted CT-guided percutaneous ablation in bone – The EPIBONE study



Multi-center clinical study results:
**Highly feasible, safe (comparable to freehand
literature), and provides accurate needle placement**



The **Epione® robotic-assisted platform** is designed to help you throughout your entire procedural workflow:



Plan and confirm instrument placement with 3D ablation zone overlays



Improve instrument placement accuracy and account for real-time patient respiration movement



Target challenging tumours with precise multi-needle placements and oblique trajectories



Navigate oblique and narrow corridors in the pedicle or in the pelvis with robotic precision



Shorten instrument insertion time while utilising preferred ablation device (MW/RF/CRYO/IRE/ECT) and bone consolidation methods



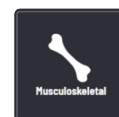
Limit radiation exposure with instrument placements performed outside the gantry



Confirm adequate tumour margin coverage immediately following the ablation procedure

MSK procedure compatibility options

Product Number	Description	Quantity
30-0004	Introducer Guide (8-15G) The introducer guide is attached to the robot force sensor assembly. It contains 8 supports for reflective spheres. It provides mechanical guidance for introducers used in musculoskeletal procedures, where insertion may require significant mechanical forces (e.g., hammer strikes). This component must be cleaned and sterilised before each use.	1 / box
60-0006	Musculoskeletal (MSK) Procedure Software option to enable Epione® compatibility with MSK procedure.	1 license
60-0007	Cone-Beam CT Guidance Software option to enable Epione® compatibility with CBCT guidance.	1 license



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*Epione® device is CE marked for abdomen, chest and musculoskeletal structures indications, and FDA cleared for abdominal ablation indication.
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