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CUREXO SURGICAL ROBOT SYSTEM

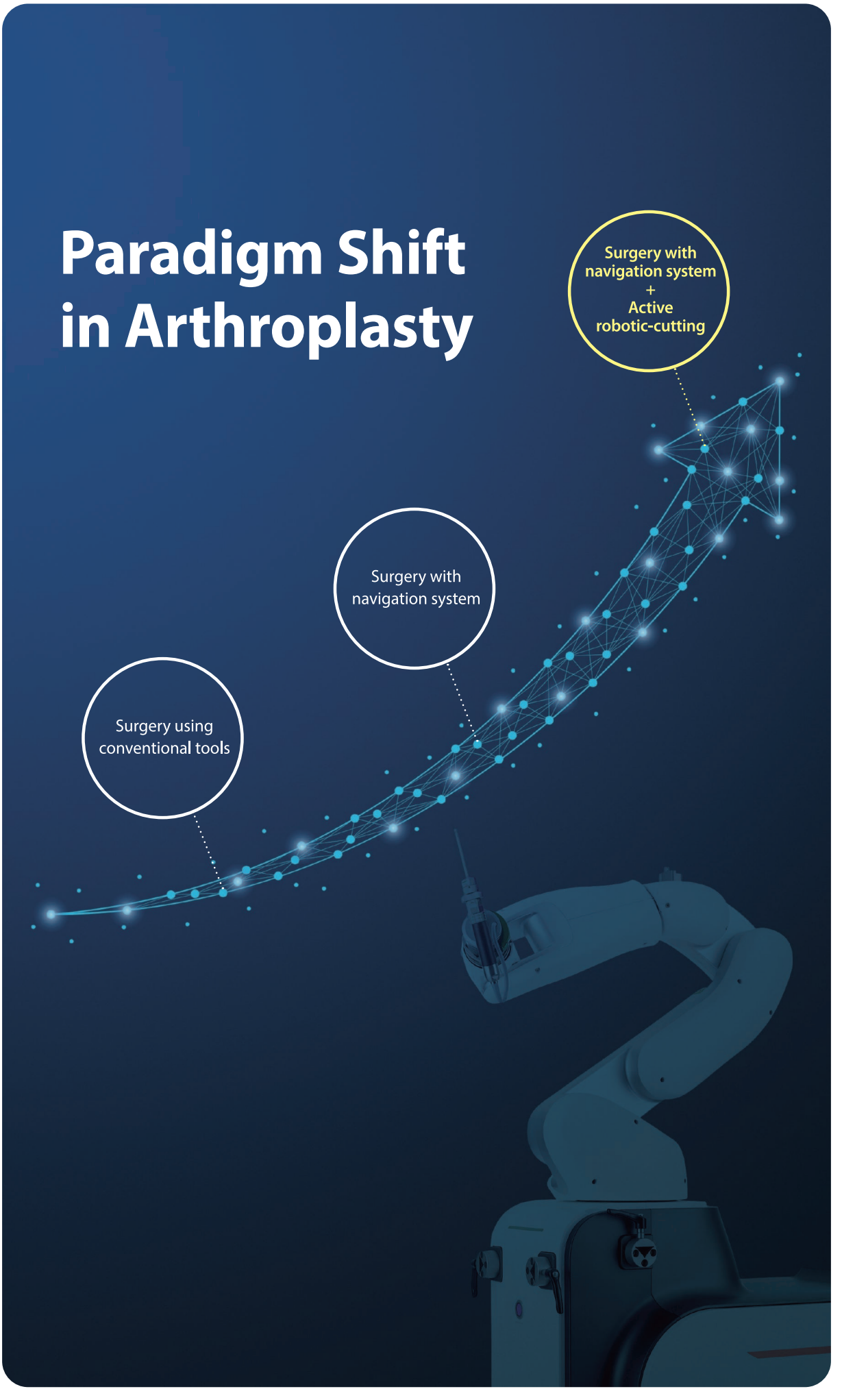
CUVIS JOINT

Fully automated robotic system for joint surgery, with automatic cutting fuction based on cutting-edge navigation system



CUREXO
ROBOTICS BEYOND CURE

Paradigm Shift in Arthroplasty



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CUREXO SURGICAL ROBOT SYSTEM

CUVIS JOINT

CUVIS-joint is a knee surgery robot that enables fully automated resection.

CUVIS-joint simplifies the surgical process while enhancing precision by providing optimal alignment with an optical tracking sensor. 6-axis articulated robotic arm secures a wider surgical area for superior surgical results.

CUVIS-joint

The real time gap-check fuction allows the surgical plan to be modified at any time, even during the surgery, and the open platform system lets users choose and use a variety of implants.



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cuvis JOINT



3D Surgical Simulation

The CT-based 3D data helps users establish an accurate surgical plan. Users can adjust the insertion position, angle and alignment of the implant for each patient's condition.



Automatic Milling/Cutting

The Robotic Arm automatically and accurately moves based on the calculated values. It minimizes human errors such as slight vibrations caused while cutting.

The cutter moves precisely and cuts the surface smoothly, which leads to stable implant insertion. It can also easily cut even narrow surfaces such as the Peg Hole and the Box.

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CUVIS JOINT



Various Resection Modes

The surgery can be performed after selecting the optimal method. Full Surface Resection is a method that allows the users to cut the bone in one step according to the initial surgical plan.

Extension Surface Resection is a method that allows the users to change the surgical plan at any time by checking the gap during the surgery.

Guide hole resection is a technique that enables precise cutting of the femoral and tibial plateaus, offering a time-efficient approach to surgery.



Open Platform

CUVIS-joint stands out with its open platform desgin, which allows for the use various implants, enabling surgeons to choose the optimal implant for each patient.

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CUVIS JOINT

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