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#### **Clinical Need**

Current approaches in percutaneous MIS procedures are unreliable and imprecise, leading to operating room inefficiencies and suboptimal patient outcomes.

deviation away from surgical targets1

40% radiation due to repeat scans<sup>2</sup>

3.28 with conventional guidance modalities<sup>1</sup>

### Who are we helping?

Patients who are currently served in the **Chinese Market annually** 



**4M Cancer** Patients<sup>3</sup>

Biopsy, drainage, ablation and brachytherapy



**5M Arthropathy** Patients<sup>4</sup>

Spinal endoscopy, arthroscopy



**500K Neurosurgery** Patients<sup>5</sup>

Drainage, deep brain stimulation, vagus nerve stimulation

## **Market Opportunity**

**Total Addressable Market:** 123M Patients/yr

Serviced Addressable Market: 10M Patients/yr

Serviceable Obtainable Market:

Global Cancer, Arthropathy and Cerebral Hemorrhage Patients aggregated

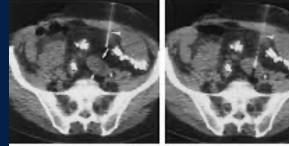
Interventional Radiology Procedures

Xper Patient Population

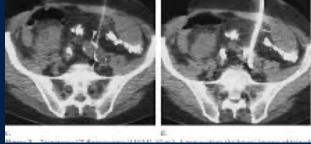
#### **Our Solution**



RapidNav: Existing CT image guided solution for percutaneous MIS procedures



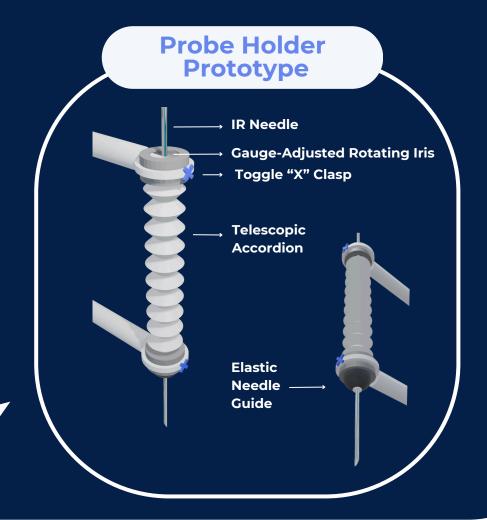
**Real-time CT** fluoroscopic imaging technology



Surgical robotic arm for intraoperative, percutaneous probe insertion during MIS procedures



**Xper: A Real-Time Image Guided Robotic System for** Minimally Invasive Surgery



## **Our Competitive Advantage**

# **Features**

**Laser Guidance** 

**Free Standing** 

**CT - Guidance** 

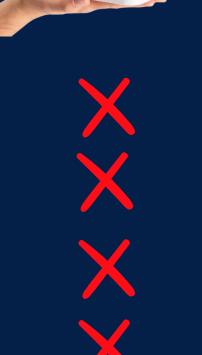
Disposable Robotic Arm

**Emergency Removal** 



Freehand

MicroMate<sup>7</sup> Intuitive: Da VInci<sup>6</sup> REN





Xact: Ace<sup>8</sup>

## **Our Roadmap**



**Literature Review +** Stakeholder Analysis



IP Search



**Prototype Testing Prototyping** 



Readitec R&D **Facility Visit** 



Apply for Funding

Radiology, 82(4), 627–632. https://doi.org/10.1016/j.ejrad.2012.10.028