

TumAI

A virtual assistance for tumor diagnosis

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Introduction

- **Overview:** Brain tumor type:
 - Gliomas: common type, 33% of all brain tumor
- **Standard procedure:**

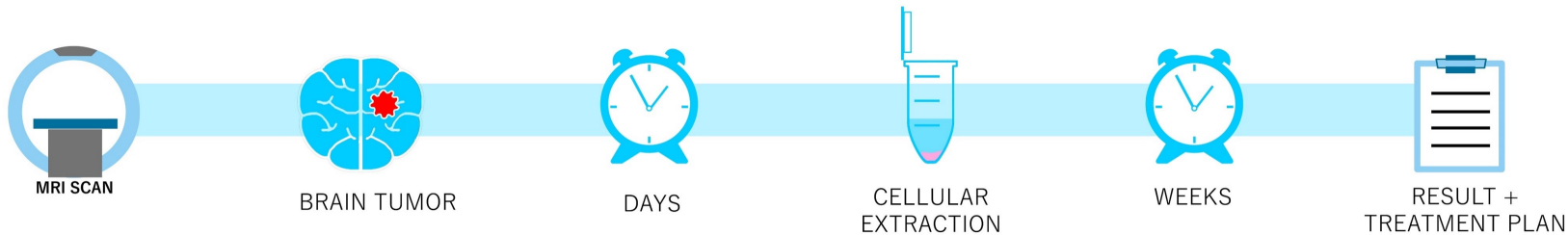


Figure 1: Brain tumor

Problems:

1. Invasive diagnoses:

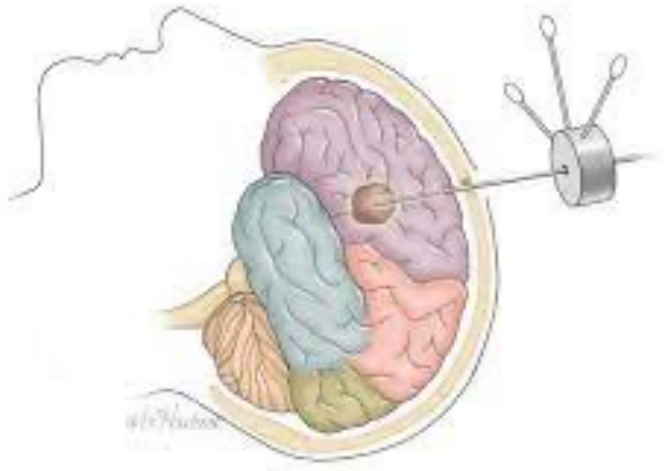


Figure 2: Stereotactic Brain Biopsy

2. Time:



How to tackle it?

- **Goals:** minimize

- Number of surgeries
- Waiting time

- **Solutions:** TumAI

- ML cloud-based medical software
- Predict and classify genetic characterizations of the tumor
- Generate possible treatment strategies

Why TumAI ?

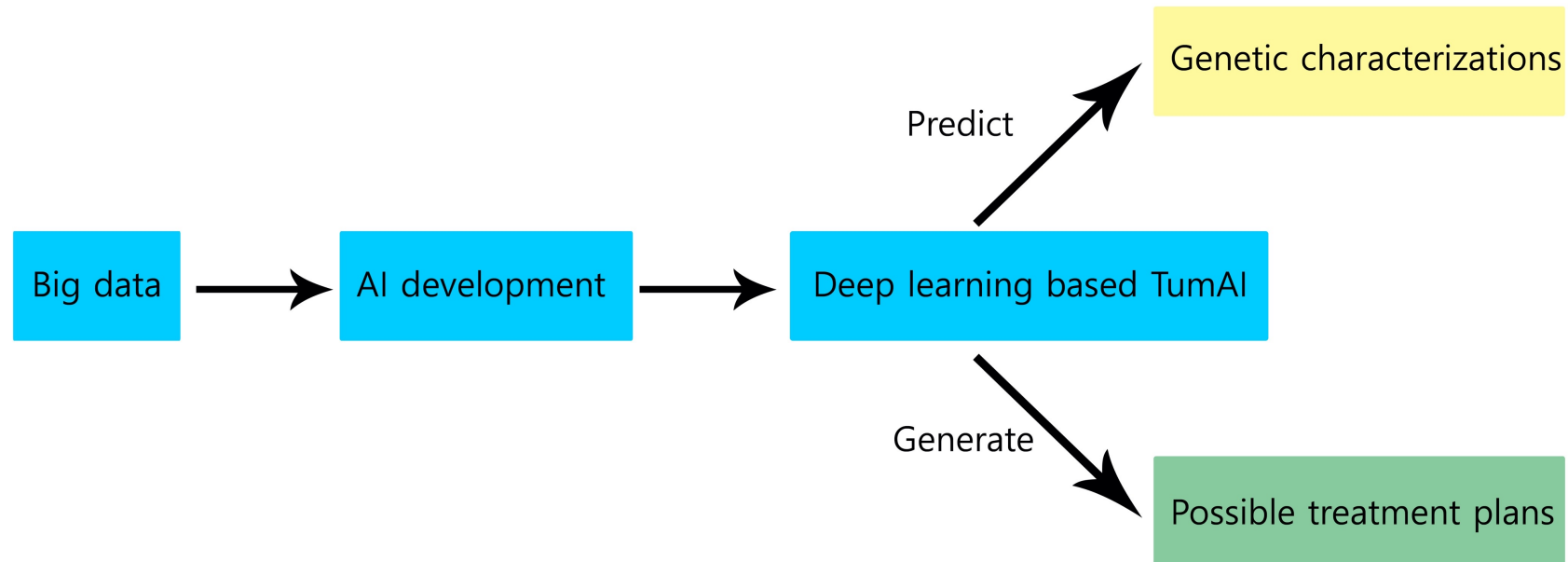


Figure 3: Deep learning-based TumAI

Prospective Clinical Deploy

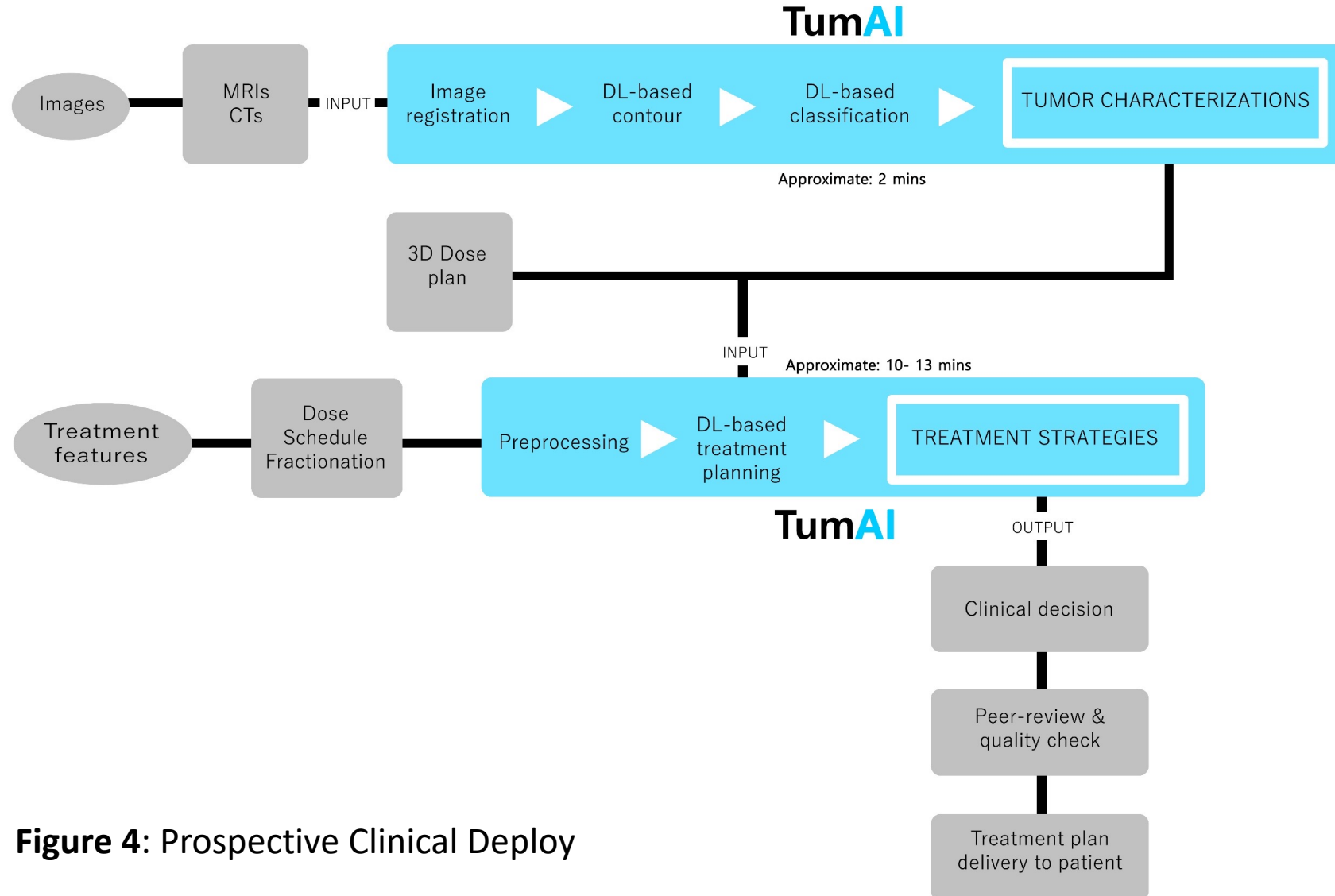


Figure 4: Prospective Clinical Deploy

Current Markets and Competitions

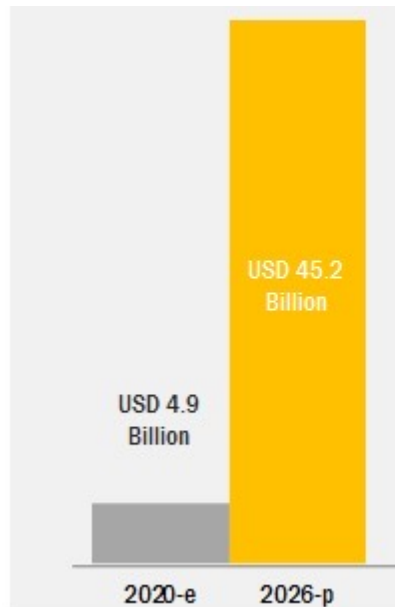


Figure 5: Opportunities in AI Healthcare Market

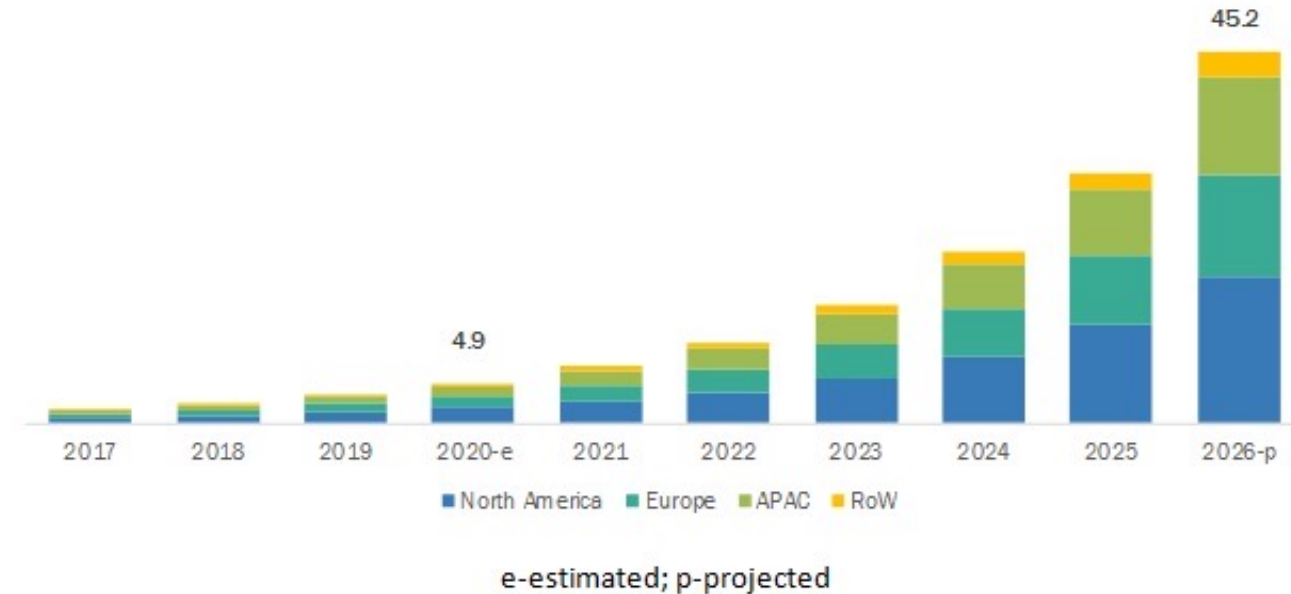


Figure 6: AI in Healthcare Market By Region

Sources:

1. <https://www.marketsandmarkets.com/Images/artificial-intelligence-healthcare-market9.jpg>
2. <https://www.marketsandmarkets.com/Images/artificial-intelligence-healthcare-market-by-region.jpg>

Our targets

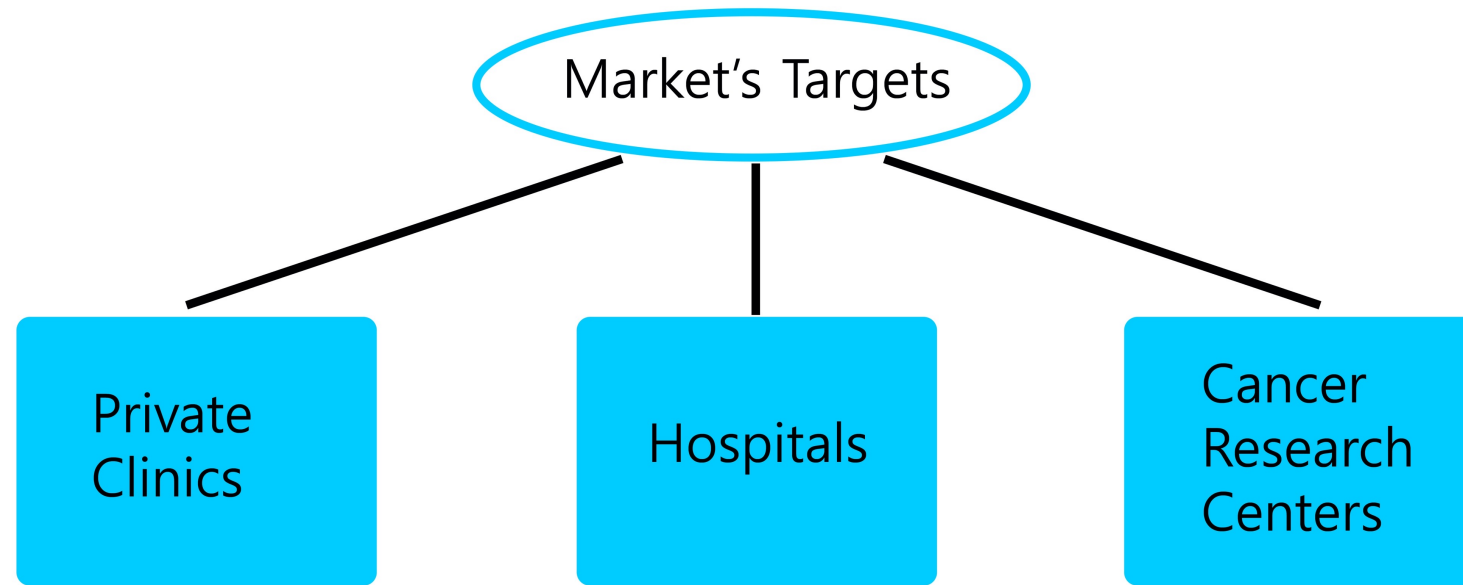
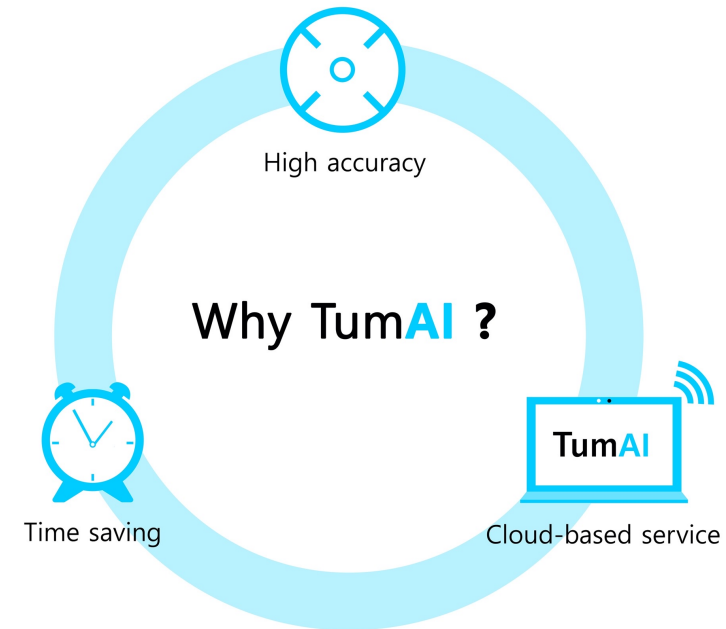


Figure 7: Market's targets

Our Competitive Advantages

- Our competitors:
 - **Limbus AI**: automatic contouring software for radiation therapy
 - **MIRADA**: software package for automatic contouring, diagnostic imaging, and interventional radiology

Our advantages:



Summary

