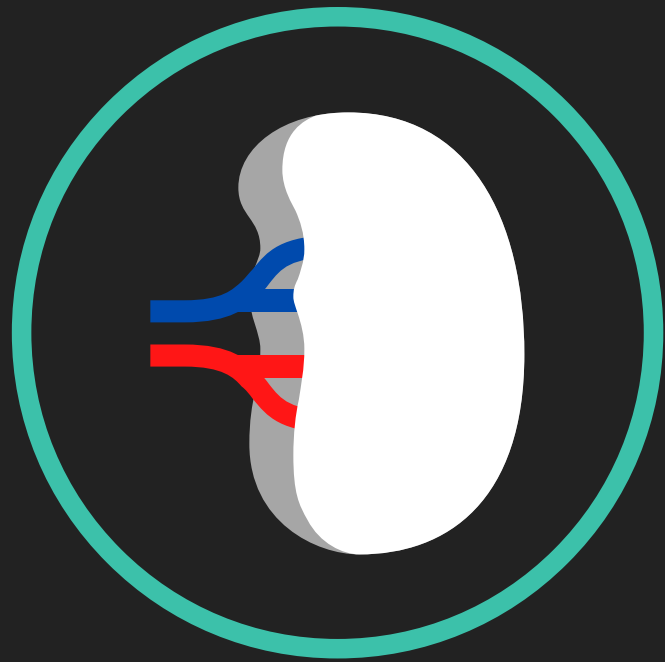


mir **ai** 3D

**One-click** advanced surgical planning

[mirai3d.com/ai](https://mirai3d.com/ai)

# Why ?



Complex anatomy



Time-consuming

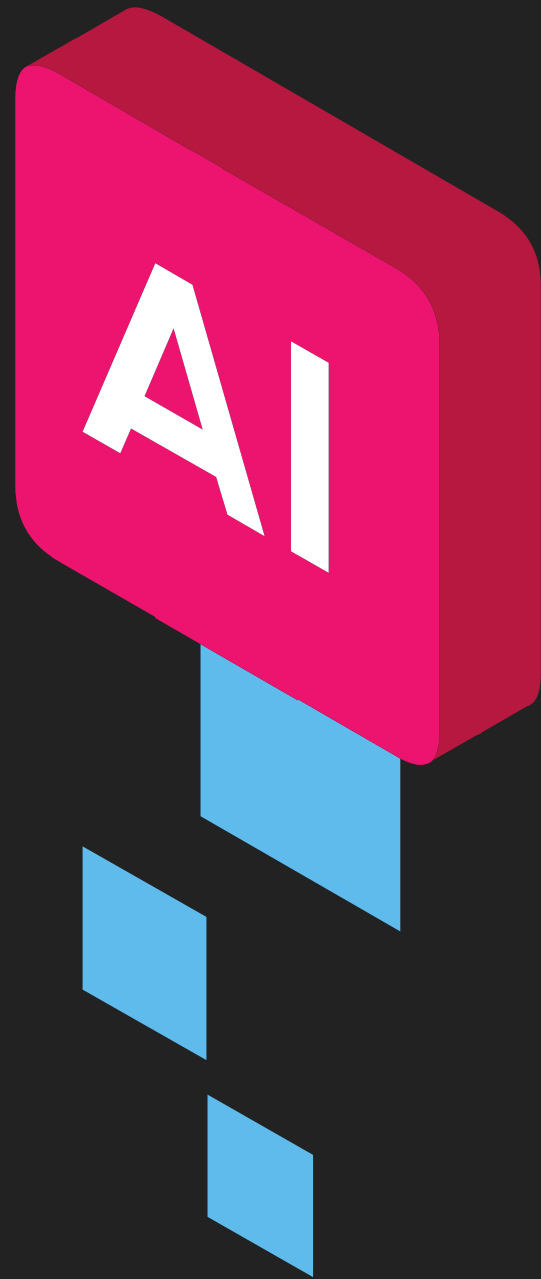


Skills & experience

mirai3D

# What ?

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Semi-automatic segmentation and 3D modeling  
for complex urology cases.

We developed an algorithm based on machine learning that assists the radiologist to obtain accurate 3D surgical planning models in 50-80% less time.

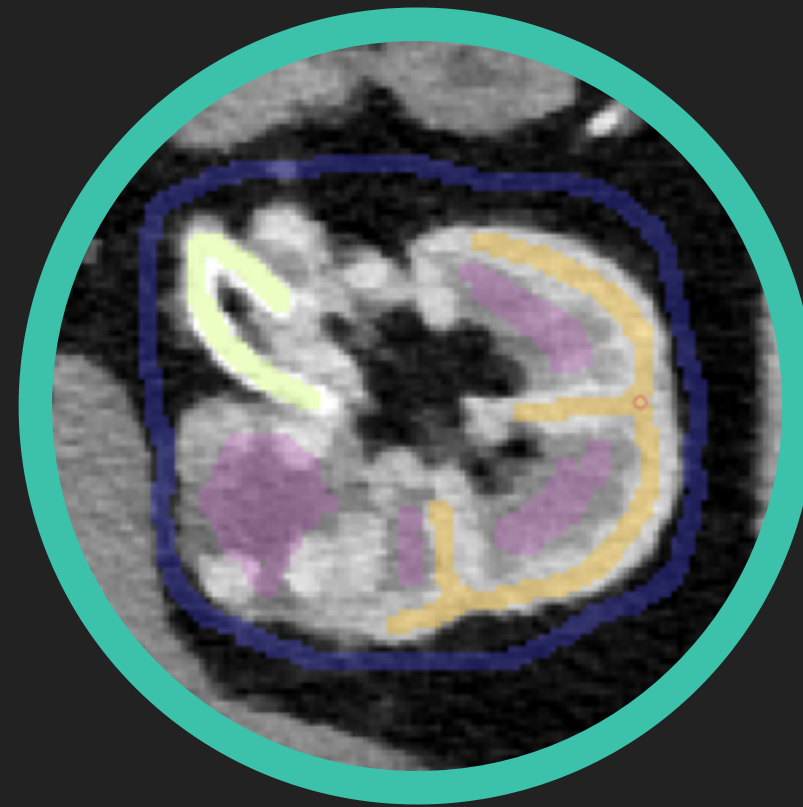
mirai3D

# How ?

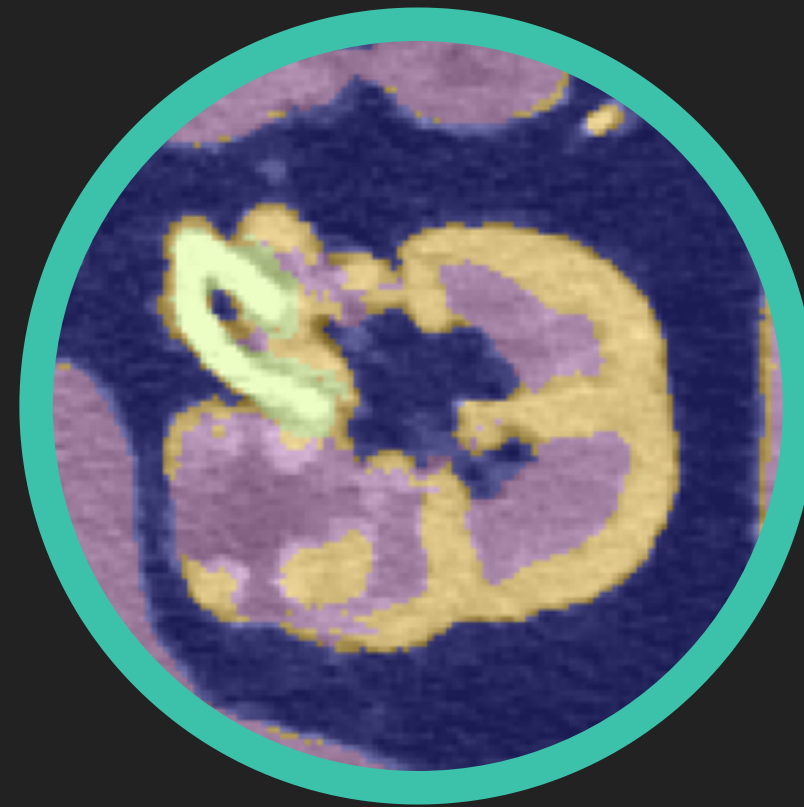
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ROI selection



Seeding for different structures



Software processing & mesh selection



3D anatomical model

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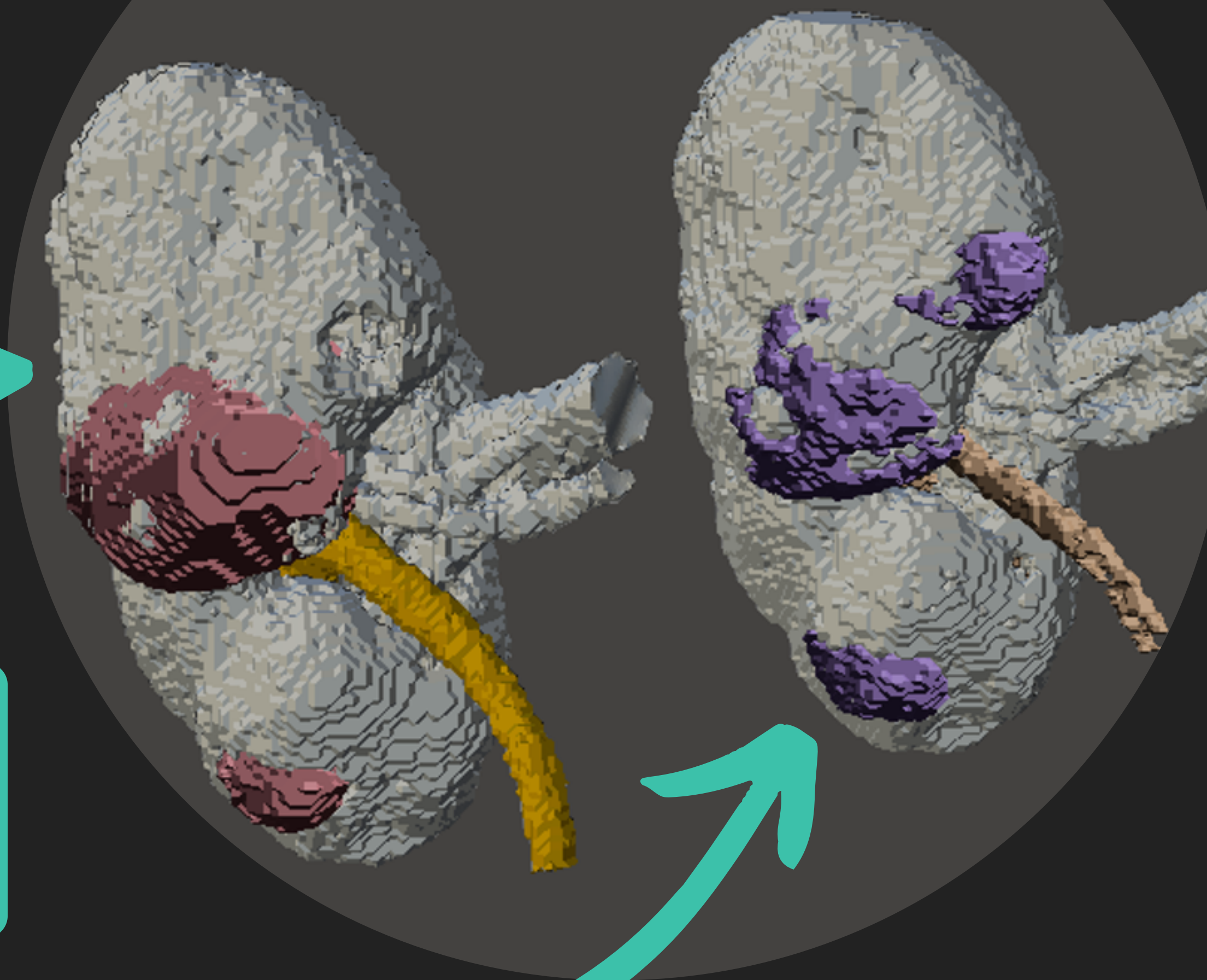
# Results

Specialist 3D modeling

DICE index over 0.9 on average  
Time reduction: 4hs to 45min.

Machine-learning assisted 3D modeling

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# Next steps

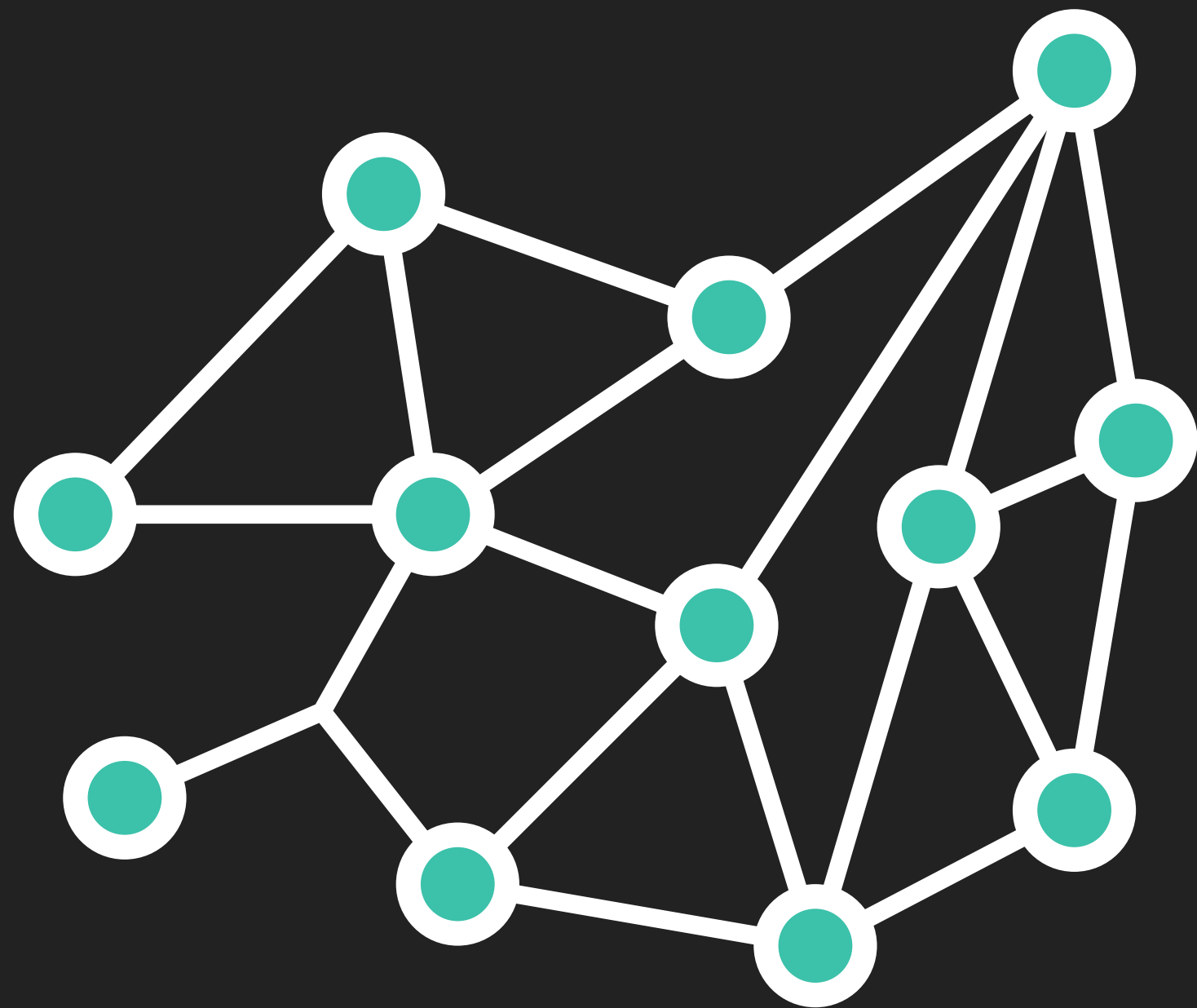
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- Develop specific features for medical 3D printing & augmented reality.
- Explore thorax and cardiac applications.
- Full-automation with neural networks and deep learning.

# Partner with us

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