An ITEA Smart health project

ASSIST

Streamlining and enhancing image-guided therapy

Project summary

Image-guided therapy typically combines multiple data sources which makes diagnosis and treatment complex for physicians while it underutilises technologies like robot-assisted surgery and AI. ASSIST (Automation, Surgery Support and Intuitive 3D visualisation to optimise workflow in image-guided therapy SysTems) aims to reverse these trends to enable better health outcomes, lower costs and improved staff and patient experiences.

Consortium

Project webpage

SCAN ME

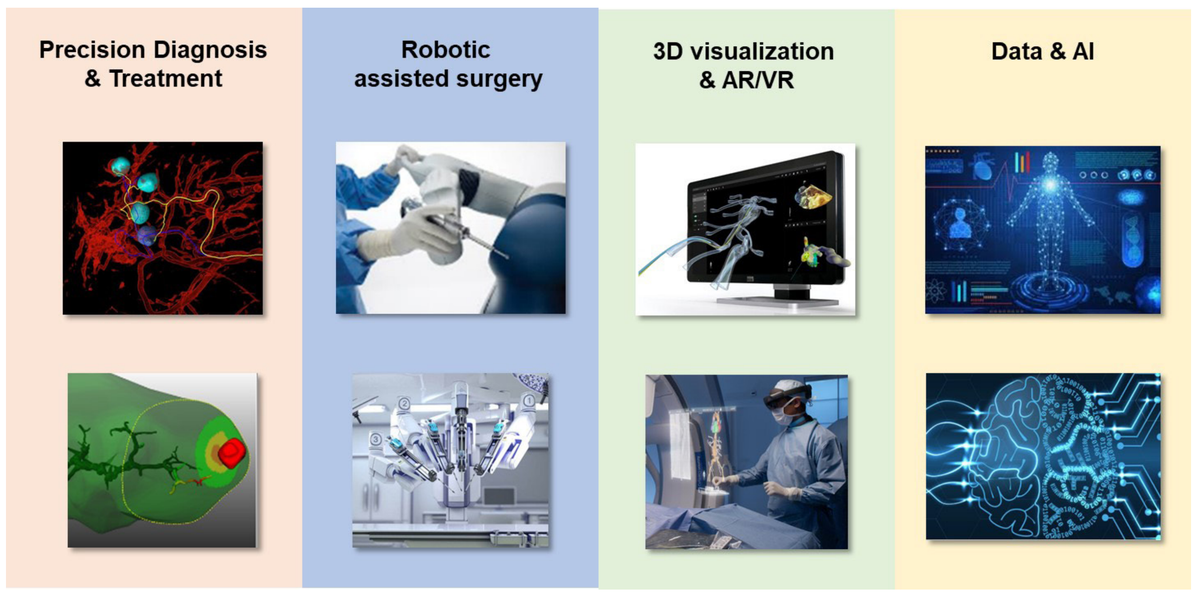
https://itea4.org/project/assist.html

Project duration

October 2021 - September 2024

Expected key results

- Federated Learning and synthetic image generation to accelerate AI-based application development
- AI-based image analysis for precision diagnosis and treatment planning
- Motion compensation and haptic guidance for robotic assisted interventions
- Virtual Reality and 3D stereoscopic display for intuitive image visualization



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