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 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

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

Contact
Robert Hofsink
Philips - The Netherlands
E: robert.hofsink@philips.com T: +31 6 11314505

This ITEA project is supported by: