

InstaPlan

“Enabling earlier treatment: request, scan and review the plan”

iRT (Intelligent Radiation Therapy) orchestrates the automated initiation of imaging of the CT scanner and then automatically transfers the images and initiates RayStation® TPS (treatment planning system) operations such as isocenter creation, organ segmentation and dose calculation.

Key benefits

Efficiency

- Same day treatment planning
- The solution facilitates the initial assessment of a treatment plan while the patient is on the SIM table.
- Manual tasks involved in initiating treatment planning, transferring images to PACS, and coordinating with colleagues are minimized.
- Repeat imaging scans can be conducted during the same patient visit, if necessary.

Enhanced patient experience

- The overall patient experience is enhanced, with early treatment commencement and potential for reduced need for return visits due to increased process efficiency.
- Clinicians (dosimetrists, physicians, and medical physicists) will also experience a difference with automated workflows that may minimize the need for repeated patient positioning and additional scans.

iRT

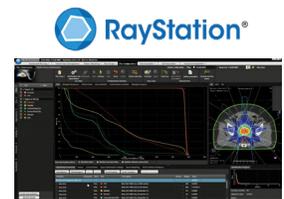
iRT is a new, fully-interoperable radiation therapy collaboration system (RTCS) for holistic patient workflow management. All clinically-relevant information is collected, analyzed, sorted, and displayed in real time on one common interface. The goal is to reduce the patient’s time from intake to first dose by reducing redundancies, wait time and manual entries.



GEHC iRT



GEHC CT systems**

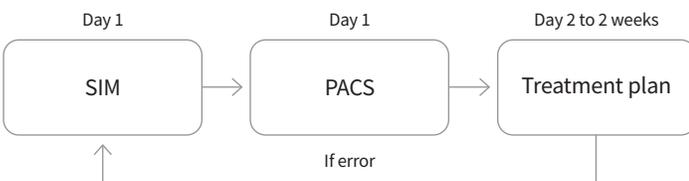


RayStation® automated treatment planning

Automated treatment planning

RayStation® is a flexible, innovative treatment planning system, chosen by many leading cancer centers worldwide. It interprets incoming data and starts an automatic chain of operations, resulting in a treatment plan for the physician to evaluate. When the automation is applied to prostate and breast treatments, both targets and OARs are delineated in the process, followed by machine learning* or protocol based auto-planning.

Current workflow (Manual)



InstaPlan workflow (Automated)

