Maximizing Patient Comfort and User Experience

“There’s no wait time for patients and the machine is very quiet.”

Kathleen Luyten, Therapist, Universitaire Ziekenhuizen Leuven campus Gasthuisberg, Leuven, Belgium

The Halcyon system is designed to revolutionize radiotherapy through innovation in three crucial areas:

• High Quality of Care
• Operational Excellence
• Human Centered Design

The synergy of these values gives the system a unique ability to positively impact the professionals who use it and the patients being treated by it.

Patient Comfort
Provides positive patient experience:

• Fast positioning, imaging and treatment delivery minimize patient’s time on the table
• Quiet, water-cooled system facilitates comfortable treatment room environment
• Smooth couch and gantry motions powered by linear brushless motors
• Spacious, 100 cm diameter bore with ambient lighting for patient comfort
• Low treatment couch position allows patients to get on and off more easily
• Approachable patient-friendly design
Patient Safety
Offers a six-point safety system:
• Enclosed gantry and imagers minimize likelihood of collision
• Couch-side touch screens allow interactive patient verification
• Collision detection technology pauses treatment or motion if patient bumps into bore
• Daily system test with Machine Performance Check in only five minutes
• 100% IGRT decreases possibility of positioning errors
• Integrated camera and intercom provide clear communication between patient and therapist

User Experience
Improves user workflow:
• Intuitive and engaging treatment delivery process with just nine steps
• Quiet and ergonomic system design enhances the user’s work environment
• Consistent processes are quick to learn allowing therapist to focus on the patient
• Less QA requirements than traditional linear accelerators