

AlignRT® Beam Guide™ Module

CLINICAL EVALUATION OF ALIGNRT® BEAM GUIDE™ AT NORFOLK AND NORWICH UNIVERSITY HOSPITAL: ENHANCING PRE-TREATMENT VERIFICATION AND SETUP CONFIDENCE

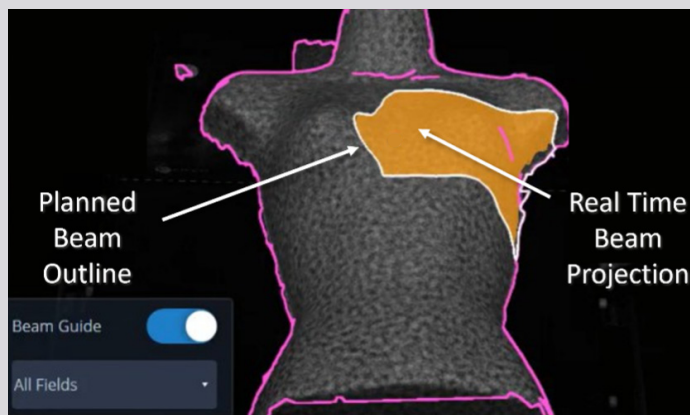
Norfolk and Norwich University Hospital, a leading radiotherapy center and regional reference site for AlignRT, evaluated the AlignRT Beam Guide Module as part of their clinical workflow.

THE CLINICAL CHALLENGE

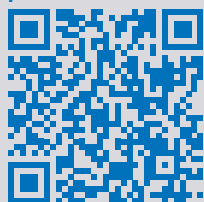
Even with advanced image guidance, there can be a gap between imaging and treatment delivery. For complex setups, patient anatomy changes, or limited surface anatomy, therapists may have limited visibility of how the planned beam geometry relates to the patient's position before treatment begins.

THE SOLUTION

Beam Guide extends AlignRT beyond setup and monitoring by displaying the planned beam geometry directly on the patient's live surface. This provides therapists with real-time visual confirmation of treatment positioning before and during beam delivery.



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CLINICAL OBSERVATIONS

1

- Visualized potential breast coverage issues caused by treatment-related swelling before imaging.
- Enabled setup adjustments that improved positioning and helped avoid additional imaging.

Improved Confidence in Setup

2

- Supported treatment of a patient whose mobility had changed after simulation.
- Helped ensure anatomy remained outside the treatment field without requiring a rescans or replan.

Adaptation to Patient Changes

3

- Identified an incorrect patient position in a challenging abdominal case with limited surface anatomy.
- Allowed corrections before imaging and treatment delivery.

Enhanced Situational Awareness

KEY OUTCOME

Across all evaluated cases, Beam Guide helped clinicians identify and correct positioning concerns before imaging, reducing the need for additional imaging, minimizing time on the treatment couch, and increasing confidence in treatment delivery.

CLINICAL APPLICATIONS EVALUATED

- ✓ Visualize planned beam geometry before beam-on
- ✓ Improve confidence in patient positioning
- ✓ Support adaptation to anatomical and mobility changes
- ✓ Reduce unnecessary imaging and treatment delays
- ✓ Enhance treatment accuracy and workflow efficiency



"AlignRT Beam Guide provides an additional layer of visual verification, helping teams deliver radiation treatments with greater confidence, efficiency, and accuracy."

Jodie Bailey
Therapeutic Radiographer Team Manager