simrt™

SGRT FOR NON-CONTACT 4D AND BREATH HOLD CT

A single-camera, contactless solution to monitor and record patient position during 4D and breath hold CT

TRACKING POINT SELECTION FROM CONTROL ROOM:

- A recent study* showed SimRT was 3x more accurate than a physical surrogate method for predicting tumor movement with 4DCT. SimRT showed more precise, stable breathing tracking leading to a more realistic 4DCT reconstruction and breathing-adapted treatment planning.
- Rapid optimization of tracking point, for faster workflow
- Minimal patient distraction pre-scan, so breathing is undisturbed

CEILING MOUNTED CAMERA:

- No physical marker, block or belt needed - no physical distraction for patients
- No tracking equipment for the user to set up
- Completely non-invasive, non-ionising motion monitoring

REAL TIME COACH™ DISPLAY:

- Coaches patient on breath-hold level
- No patient contact for minimal infection risk
- Simple and intuitive visual feedback for patients

*Qubala A, Shafee J, Batista V, et al. Comparative evaluation of a surface-based respiratory monitoring system against a pressure sensor for 4DCT image reconstruction in phantoms. J Appl Clin Med Phys. 2023;e14174. https://doi.org/10.1002/acm2.14174

simrt™

"SimRT is intuitive software, that is easily integrated in to CT work-flows and enhances your CT practice. Providing reassurance in breath-hold and 4D scanning procedures."
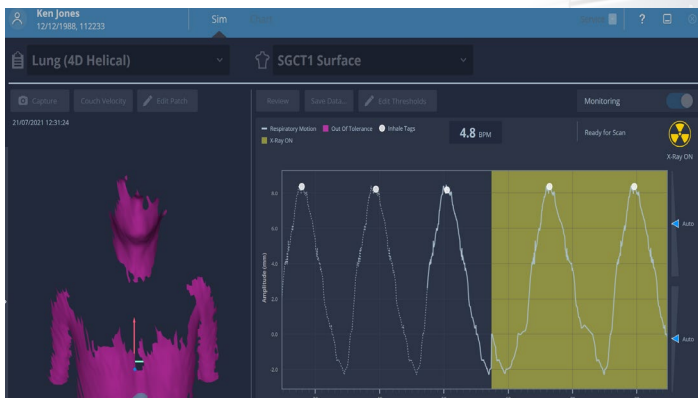
Radiotherapy Team, Bristol, UK

IN-ROOM MONITOR INTERFACE:

- Staff can remain close to the patient for longer
- Staff can offer pre-scan breath-hold coaching

ADVANCE SOFTWARE ARCHITECTURE:

- Designed for high throughput, with clicks reduced by 50%* (*versus GateCT™)
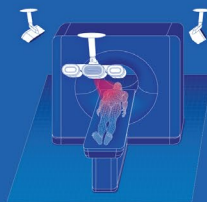- Easy offline correction of traces and tags
- Breath-hold timer

4DCT scan

Breath-Hold scan

Guidance for EVERY step
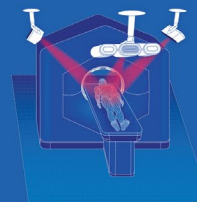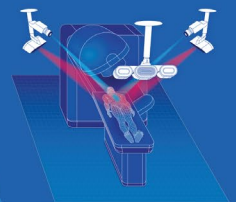
SIM   **PLAN**   **TREAT**   **DOSE**

Discover more at **www.visionrt.com**

vision rt | Guiding Radiation Therapy™