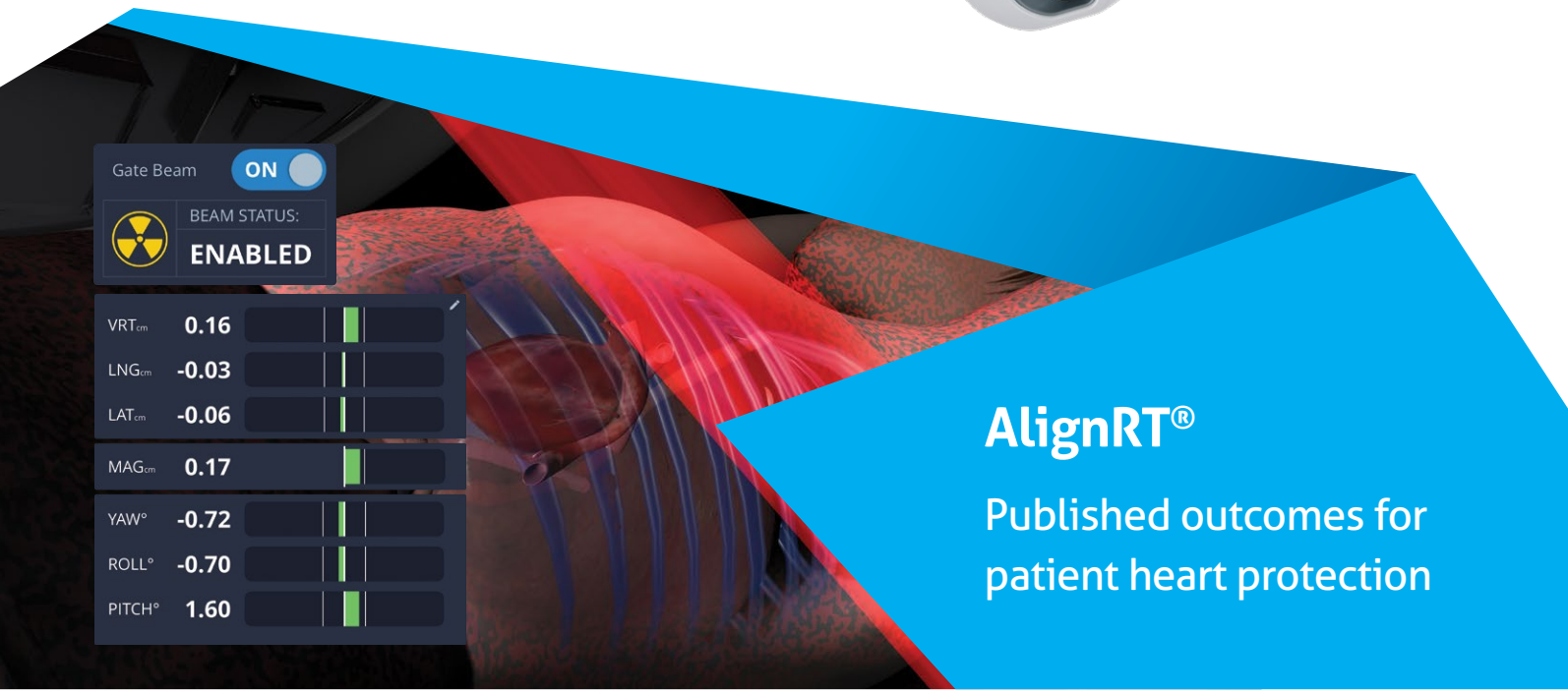
alignrt® *Advance*

FIGHT THE CANCER.
PROTECT THE HEART.



AlignRT®

Published outcomes for patient heart protection

AlignRT is a 3D surface-tracking technology which ensures that the patient is in the proper position during treatment, helping to ensure accuracy and protect the heart of left-breast cancer patients.

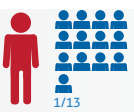
THE RESULTS OF INADVERTENT HEART IRRADIATION ARE SERIOUS

"Exposure of the heart to ionizing radiation during radiotherapy for breast cancer increases the subsequent rate of ischemic heart disease."[1]

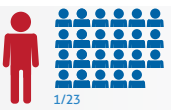
EVEN 1 IS TOO MANY

Additional risk in left-breast cancer patients vs right-breast control

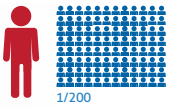
1 Coronary artery disease
1 for every 13 patients treated (*P*<0.001)[1]



2 Myocardial infarction
1 for every 23 patients treated (*P*=0.002)[1]



3 Mortality
1 for approximately every 200 patients treated[2]



> *"Using AlignRT, I'm confident that we are helping every patient and decreasing risk of cardiac damage"*
>
> Nancy Wiggers, MD
> Director, Northside Hospital Cancer Institute
> Atlanta, Georgia

alignrt® *Advance*

The only SGRT system with long-term data showing avoidance of cardiac damage in left-breast cancer

DIBH WITHOUT SGRT MAY NOT BE ENOUGH[4]

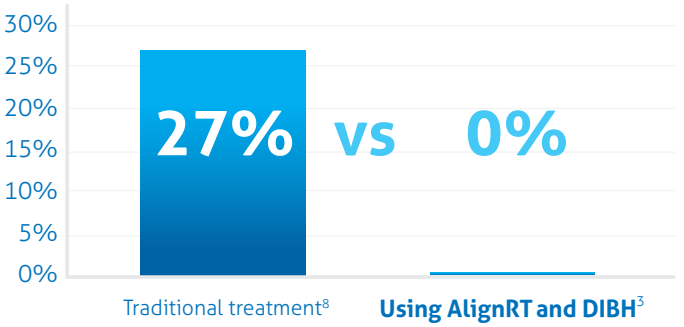
Deep inspiration breath-hold (DIBH) alone may not be enough to prevent heart damage during left-breast radiation therapy.

Studies show that

- Breath-hold without guidance is not always reproducible[5]
- Traditional approaches lead to large positional variations[6]
- Breathing control systems can be invasive for patients[7]

Cardiac perfusion defects at 6 months

as measured using SPECT* imaging



ALIGNRT® +DIBH

ACCURATE

- More accurate positioning of the whole breast and chest wall.
- Published data suggests more consistent, reproducible setup on non-port days than skin marks alone[9]

SAFE

- Less imaging for reduced patient radiation[10]
- Reduced human-error risk—if the patient moves out of position, by even <1 mm, the radiation beam automatically stops

EFFICIENT

- Study suggests 14% reduction in total setup and treatment time[11]
- Enables quick repositioning during treatment, if required

PATIENT-FOCUSED

- Non-invasive and non-ionizing
- Patient peace of mind and confidence with an evidence-based approach to protect the heart
- Level of accuracy provides option to eliminate patient tattoos or skin marks

- **Recommendation strength – STRONG**
- Quality of evidence – **HIGH**
- Consensus – **100%**

The American Society for Radiation Oncology (ASTRO) treatment guidelines for breast cancer patients state that, "Approaches that incorporate deep inspiration breath hold, target and organ-at-risk contouring and **optimal patient positioning** are recommended to minimize the radiation dose affecting nearby organs and normal tissue, including the heart, lungs and opposite breast[11]."

Unlike other methodologies, AlignRT continuously tracks the patient's position in all six degrees of freedom during breath-hold.

visionrt | *Safety. Ingenuity. Community.*

Please find references at VisionRT.com/References.

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Not currently for sale in the USA (as of October 2021). Horizon 510(k) application submitted August 2021.