

Tattoo free radiation therapy

“
I don't have the constant reminder I once had cancer, like many do when they look down and see their tattoo.
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At MHP Radiation Oncology Institute, we are dedicated to providing excellent patient care and delivering radiation treatment without using permanent tattoo marks, eliminating the constant reminder of a cancer diagnosis and treatment.

We're advancing the way you experience treatment, providing cutting-edge radiotherapy services, such as AlignRT. This advanced technology delivers treatment with a high degree of accuracy and eliminates the need for permanent tattoos. AlignRT — by Vision RT — is the premier surface guided radiation therapy (SGRT) imaging tool. SGRT is a technique that supports unique body positioning technologies to enable radiation accuracy and protection of the heart.

Benefits of SGRT:

- Submillimeter accuracy using 3-dimensional stereo camera units and skin surface tracking to detect slight movements and automatically pause treatment if shifting occurs
- Tattoo or mark free treatments.
- Protection of the heart for patients with left-sided breast cancer when using the deep inspiration breath hold (DIBH) technique.
- Reduces risk of side effects by precisely delivering the required dose of radiation to the tumor while motion management ensures doses to surrounding healthy tissue is limited.



<https://www.visionrt.com/>

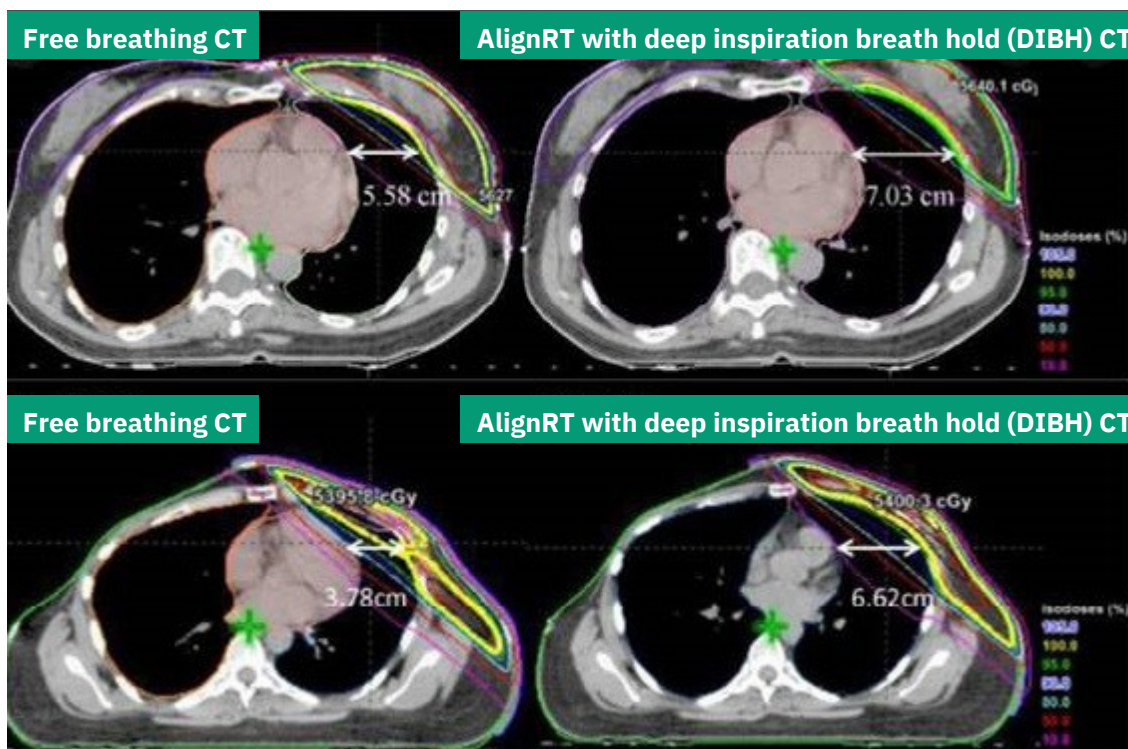
How does AlignRT work?

AlignRT uses laser guidance using thousands of pinpoint light sources on the patient's skin. This helps position them with submillimeter accuracy and tracks patient position during treatment, to ensure they are only treated in the correct position. AlignRT has been shown in several studies to be more accurate than either marks or tattoos for ensuring patients are properly positioned prior to radiotherapy.

<https://mhpdoctor.com/radiation-centers/>

Radiation that protects the heart

When getting radiation therapy, it's important to ensure the radiation reaches the right place, while avoiding exposure to vital organs such as the heart and healthy tissue. Our advanced technology helps protect our patients' healthy tissue and organs during radiation treatment.



AlignRT can be used on cancer sites from head to toe, including:

- Breast
- Lung
- Prostate
- Sarcomas
- Head & neck
- Pediatric

1 Zagar et al. Utility of Deep inspiration breath-hold for left sided breast radiation therapy in preventing early cardiac perfusion defects – A Prospective Study. Int J Radiat Oncol Biol Phys. 2017

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