

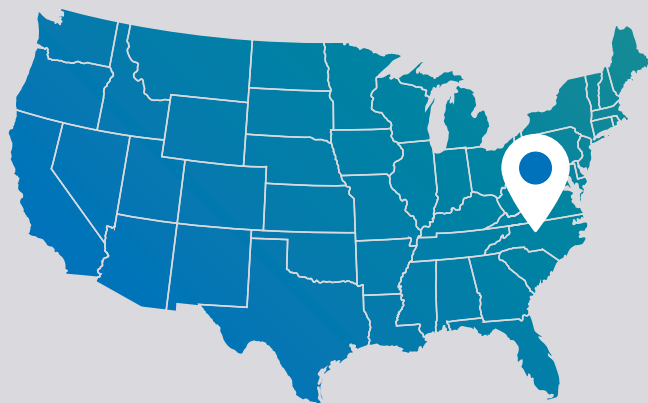
# CASE STUDY REDUCED REPEAT CBCTs & TREATMENT TIME FOR PROSTATE PATIENTS

Eliminated re-imaging in 66% of cases  
Reduced treatment time in 55% of cases  
Tattoo and mark-free treatment



## OVERVIEW:

**Institution Type:** Hospital based cancer center  
**Location:** High Point, NC  
**SGRT System:** AlignRT (2)  
**Years with system:** 6 years  
**Linac:** Elekta Versa HD and Elekta Infinity  
**Cancer types treated:** All cancer types



## CHALLENGES WITH PROSTATE PATIENTS

Atrium Health Wake Forest Baptist High Point Medical Center Hayworth Cancer Center was experiencing some long setups with prostate patients and full bladders. They wanted to shorten the amount of time patients had to maintain their full bladders during treatment to improve patient experience.



*"We were thrilled to find that incorporating SGRT into the prostate patient setup process reduced reimaging rates and, therefore, reduced the amount of time our patients had to maintain a full bladder."*

Stephanie Parker, MS, FAAPM, Medical Physicist

## GOALS

1

### REDUCE RE-IMAGING

Reduce or eliminate re-imaging rates for CBCTs.

2

### REDUCE TREATMENT TIME

Reduce treatment time by 1-2 minutes per patient.

3

### TATTOO AND MARK-FREE

Eliminate tattoos and marks for treatment.



## SOLUTION

Using AlignRT and Postural Video, the staff developed a plan to change their process to reduce imaging rates and eliminate tattoos and marks.

- 1 ALIGNRT AND POSTURAL VIDEO**  
 Incorporated AlignRT into the Prostate patient workflow. Used tattoos and AlignRT for one month to set lateral position.
- 2 TATTOO AND MARK FREE**  
 Eliminated tattoos from workflow after positive feedback from therapists.
- 3 ALIGNRT FOR INITIAL ALIGNMENT**  
 Using AlignRT for prostate/pelvic patients initial alignment reduced re-imaging rates.
- 4 PATIENT EDUCATION**  
 Educated patients from CT through treatment on gowning requirements.

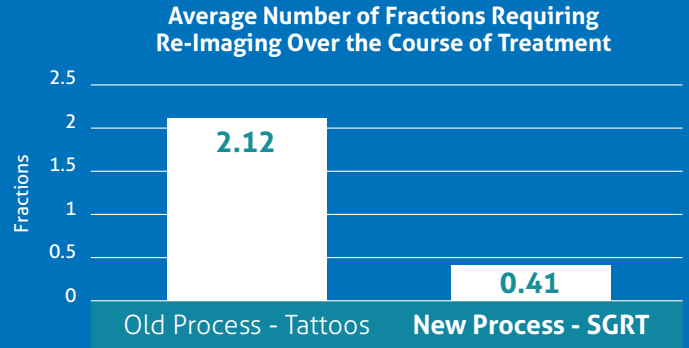


*"Using SGRT for prostate setups has increased staff efficiency and patient satisfaction – we are so grateful to have this in our clinic."*

Ashley Towers RT(T),  
Radiation Therapy Supervisor

## RESULTS

1. Eliminated re-imaging in 66% of patients.
2. 80% Reduction in fractions requiring re-imaging.
3. 83% Less re-imaging over course of treatment.
4. 55% Less treatment time - 1-2 minutes less time per patient.



**+50**  
 patients saw Atrium Health Wake Forest Baptist on [saferradiationtherapy.com](http://saferradiationtherapy.com) "find a treatment center" local map since 2021

## FUTURE PLAN

Atrium Wake Forest plans to create AlignRT protocols for all their therapists to keep current and on-boarding new staff members. They also plan on creating treatment site specific workflows for therapist for competency.

They will continue to educate patients on SGRT through their website and be highlighted on [www.saferradiationtherapy.com](http://www.saferradiationtherapy.com) as a tattoo and mark-free treatment site.

