

# Streamlining Workflow for SGRT Documentation

Date: May 8, 2026

Speaker:



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# Cape Fear Valley AlignRT Usage

- 3 Locations With Varian Truebeams and AlignRT for SGRT patients
- Started using AlignRT in 2018
- Doctors ordered SGRT imaging in Aria Rx
- Initially used for DIBH patients only
- Evolved to using for majority of patients
- Doctors saw the benefit of utilizing AlignRT for setup and monitoring during treatment

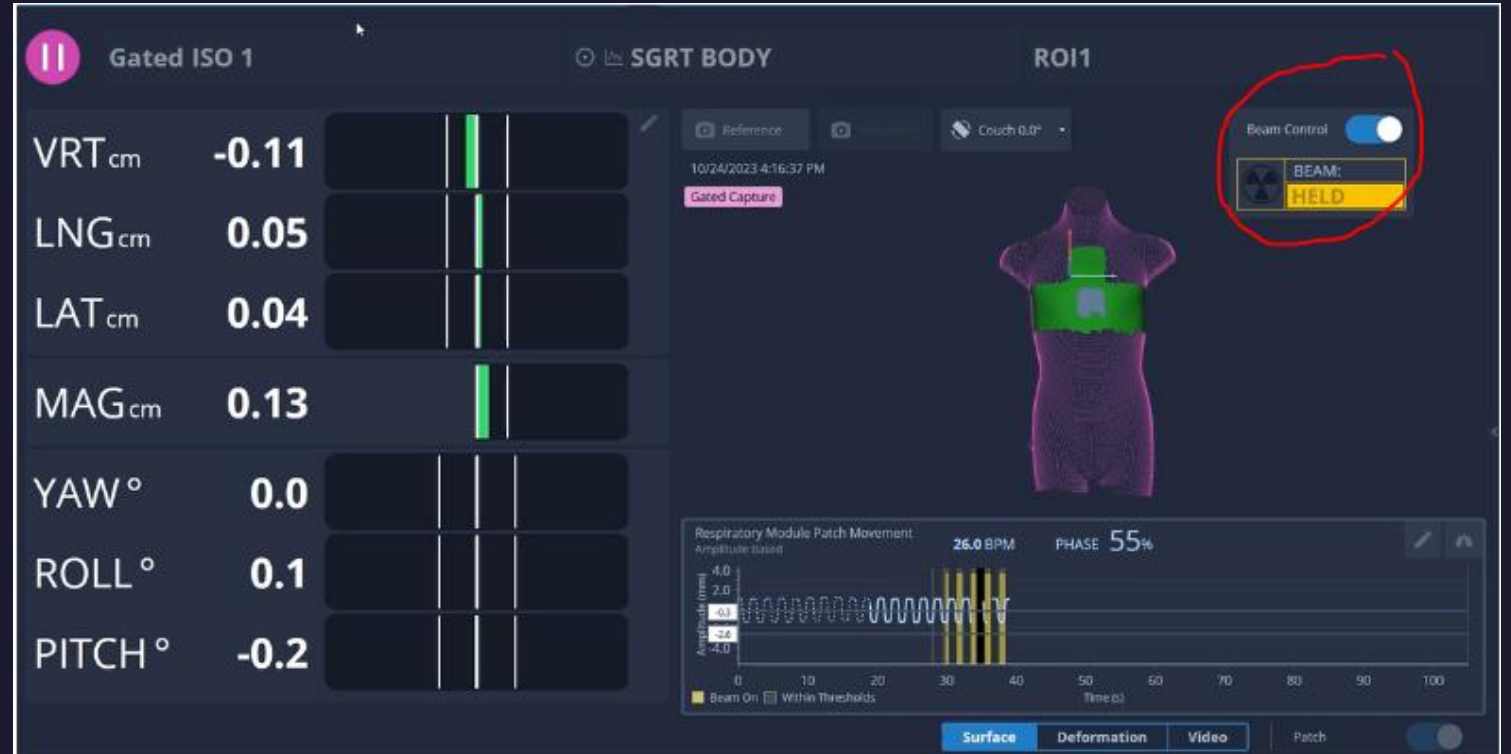
# AlignRT Patient ID Module

- Uses facial recognition to ensure correct patient gets the assigned treatment, each and every time
  - No-contact
  - Easy-to-use system
- Patient verifies name and date of birth



# AlignRT Pre Treatment

- Press play in AlignRT
- Using PosturalVideo feature if needed
- Ensuring all deltas are green before exiting room
- Completing daily imaging (KV/CBCT) and applying minimal shifts
- Capturing today's position based off imaging
- Turning on “beam control” for monitoring during treatment



# AlignRT Post Treatment

- Pause AlignRT and exit patient
- Report is generated from paused screen and is captured in report along with SSDs if taken
- SGRT report necessary for documentation/billing and requires physician approval

The screenshot displays the AlignRT software interface during a post-treatment session. The interface is divided into several sections:

- Top Bar:** Shows the current mode as "Treatment" and the therapist's name.
- Navigation:** Includes a play button, a target icon, and dropdown menus for "Prostate Bed Prostate B", "SGRT Prostate Bed", and "Prostate Bed".
- Alignment Data:** A table of alignment parameters with corresponding visual indicators (vertical bars):

VRT <sub>cm</sub>	0.10
LNG <sub>cm</sub>	-0.03
LAT <sub>cm</sub>	-0.22
MAG <sub>cm</sub>	0.24
YAW <sup>°</sup>	0.6
ROLL <sup>°</sup>	0.7
PITCH <sup>°</sup>	-0.5
- Beam Hold Delay:** A field labeled "Beam Hold Delay (seconds)" with the value "2".
- 3D Model:** A central 3D visualization of a prostate bed with a patient's body overlaid. It includes a "Reference" dropdown, "Treatment" button, "Catch 0.0°" dropdown, "Send to Couch" button, and "Beam Control" toggle (OFF).
- Timeline:** A horizontal bar at the bottom of the 3D view showing a scale from 0.00 to -0.30.
- Bottom Bar:** Contains the "alignrt\*" logo, "File d Status", "System Status", and the timestamp "3/9/2026 4:07 PM".

# Old SGRT Report Options

- Word document created by our Physicians in Aria to support charge
- Therapists manually entered Physician, chose type of treatment 3D/IMRT/VMAT/SRS/SBRT from drop down and entered offset shifts from AlignRT
- Drawbacks: extra time spent per patient, mistyping shifts, and delays in report approval due to human error
- 2<sup>nd</sup> Option: Therapists captured screenshot, converted to PDF, pushed to folder, and manually exported to OIS. We did not use this option, but it was available.

The screenshot shows a Microsoft Word document with a header section for patient information and a main body of text. The header includes fields for Patient Name, Patient ID, Date of Birth, and Date of Service. The main body contains a diagnosis section and a paragraph of text describing the use of SGRT. At the bottom, there is a table of couch angle and shift data.

Couch Angle: 0	Shifts
D_VRT (cm):	-0.15
D_LNG (cm):	0.22
D_LAT (cm):	-0.02
D_Rtn (degrees):	0.3
D_Roll (degrees):	-0.8
D_Pitch (degrees):	1.6



# New AlignRT OIS Report Module

- September 2025, Cape Fear Valley began testing
- Automated inclusion of AlignRT screenshots in reports
- No manual input
- Compatible with Aria and MOSAIQ
- Automatically uploads report to timeline in RT Summary in chronological order
- Available for physician approval in Offline Review along with IGRT imaging



# Report Customization

- Customized and Tailored to each facility
- Report Date/Time and Facility
- Patient Details: Name, DOB, Medical Record Number
- Time Durations for each: positioning, imaging and treatment times can be further broken down with time stamps
- Final Monitoring Session: Protocol, Plan Name, Isocenter, Start and End Times, Total Duration
- Final Screen Capture with Time Stamp
- Statement: could be customized to include patient was tracked with “active motion management.”

**alignRT<sup>®</sup> Treatment Report**

**Cape Fear Valley Cancer Center**  
215 Brightwater Drive  
Lillington, NC 27545

Report Date/Time: **3/9/2026 4:08 PM**

**PATIENT DETAILS**

Name: [REDACTED]  
Patient ID: [REDACTED]  
Date of Birth: [REDACTED]

**SYSTEM DETAILS / SETTINGS**

PCR Number: **260-0179**  
Start Time: **3/9/2026 3:50:05 PM**  
End Time: **3/9/2026 4:07:27 PM**  
Total Duration: **00:17:22**

**STATEMENT**

The AlignRT system was used to position the patient immediately prior to treatment and to track the patient during treatment in 3D mode.

The following parameters are couch shifts in standard couch coordinates, which were computed by AlignRT, in order to assess the accuracy of patient set-up and to prevent geographical missa with the radiation beam.

**FINAL MONITORING SESSION**

Protocol: **Pelvis** Start Time: **3/9/2026 3:51:49 PM**  
Plan Name: **Prostate Bed** End Time: **3/9/2026 4:07:25 PM**  
Isocentre: **16.6, -188.1, -714.2** Total Duration: **00:15:36**

**FINAL SCREEN CAPTURE**

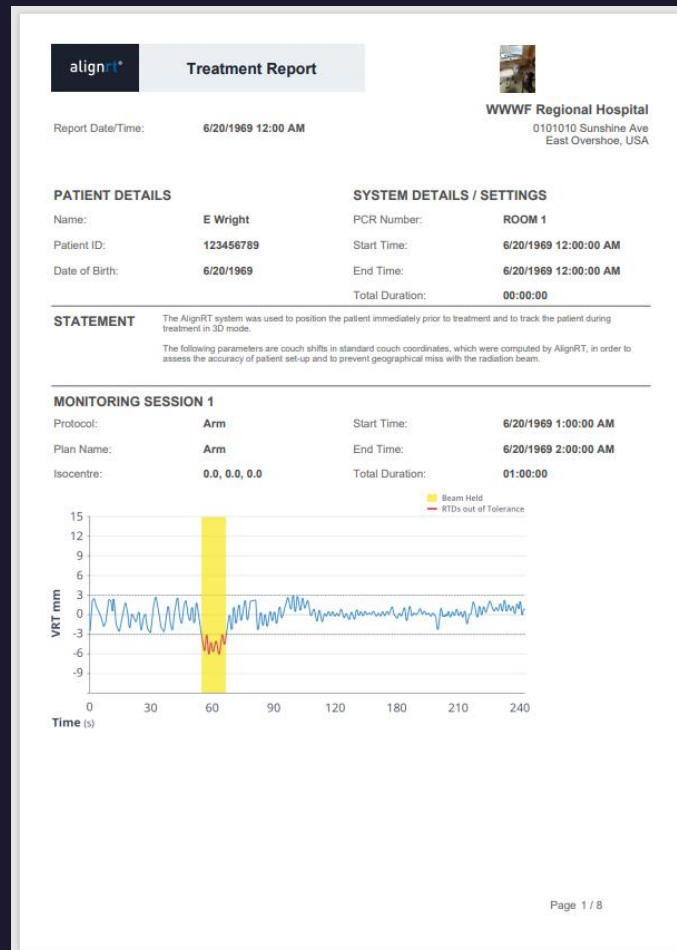
Time Stamp:  
**3/9/2026 4:07:27 PM**

**FINAL SCREEN CAPTURE**

Prostate Bed Prostate Bed  
3DRT Prostate Bed

VRT<sub>gr</sub> 0.10  
LNC<sub>gr</sub> -0.03  
LAT<sub>gr</sub> -0.22  
MAG<sub>gr</sub> 0.24  
YAW<sup>°</sup> 0.6  
ROLL<sup>°</sup> 0.7  
PITCH<sup>°</sup> -0.5

# Patient Monitoring Graph Option



- Option to include Patient Monitoring Graph to AlignRT report.
- Graph shows patient motion throughout treatment including beam pause time when Real Time Deltas are outside of threshold.
- Shows evidence of active motion management.
- Will lengthen AlignRT report.

# MULTIPLE TREATMENT SITE REPORT OPTION 1

- Creates one report for physician approval
- More efficient, less documents needing approval

2 site example steps:

- Therapists will click “report screenshot” and pause before moving on to 2<sup>nd</sup> site
- Therapists will “pause and exit” following 2<sup>nd</sup> site
- Limited SGRT report will include 2 final screenshots and full details from 2<sup>rd</sup> site only

alignRT<sup>®</sup> Treatment Report

Report Date/Time: 2/6/2026 10:33 AM Cape Fear Valley Medical Center

**PATIENT DETAILS**

Name: [REDACTED]  
Patient ID: [REDACTED]  
Date of Birth: [REDACTED]

**SYSTEM DETAILS / SETTINGS**

PCR Number: 249-0577  
Start Time: 2/6/2026 10:05:19 AM  
End Time: 2/6/2026 10:39:12 AM  
Total Duration: 00:33:52

**STATEMENT**

The AlignRT system was used to position the patient in the treatment room prior to treatment and to track the patient during treatment in 3D mode.

The following parameters are such as the isocenter couch coordinates, which was computed by AlignRT, in order to assess the accuracy of patient setup and to prevent geographical miss with the radiation beam.

**FINAL MONITORING SESSION**

Protocol: IntracranialSRS Start Time: 2/6/2026 10:29:37 AM  
Plan Name: BrainPOST\_SRT End Time: 2/6/2026 10:38:51 AM  
Isocentre: 43.4, -190.4, 97.1 Total Duration: 00:09:13

**FINAL SCREEN CAPTURE**

Time Stamp: 2/6/2026 10:39:11 AM

Page 1 / 2

alignRT<sup>®</sup> Treatment Report 1.0 cm CONTINUED

**SCREEN CAPTURE 1**

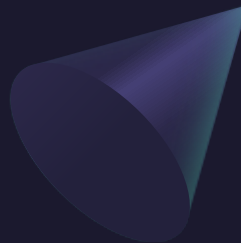
Time Stamp: 2/6/2026 10:22:46 AM

Page 2 / 2

# MULTIPLE TREATMENT SITE REPORT OPTION 2

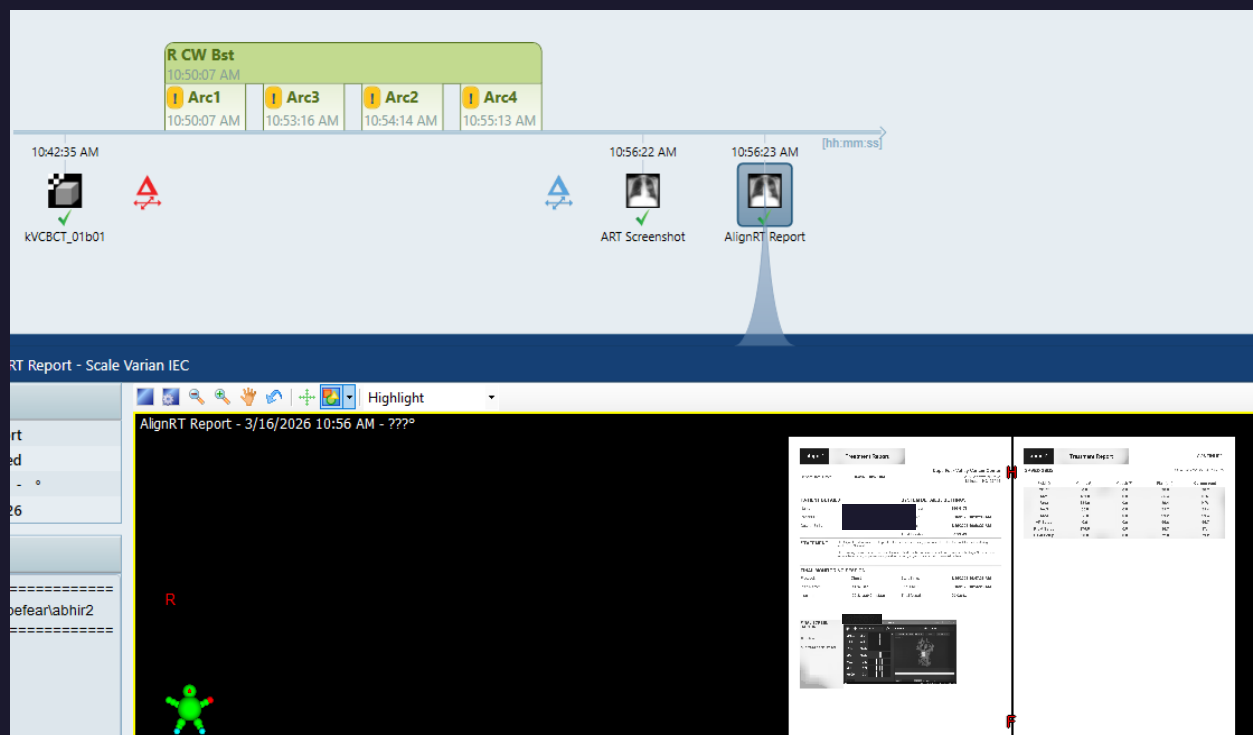
- Creates multiple reports for physical approval, one for each site
- More detailed, more documents needing approval in chronological order in RT Summary timeline
- 2 site example steps:
- Therapist will “pause and exit” after each site
- Align RT will reopen automatically once new site is selected on treatment machine
- Full SGRT reports for each treatment site will be sent to Aria

The screenshot displays a treatment planning software interface. On the left, a sidebar lists categories: Prescription, Treatment (Breast\_R\_3D (5/5), Breast\_L\_3D (6/5), BST\_Breast\_L (4/4)), Imaging, Overrides/Exceptions, and Trends. The main area is a timeline grid showing treatment events. A legend at the bottom identifies icons for Normal Event, Treated Fraction, Multiple Treated Fractions, Plan Revision, All Images approved, Remaining Prescribed Fraction, Treatment Approval, Planning & 3rd Party Approval, Active Partial Treatment, Partial Treatment, Active Partial Fraction, Partial Fraction, Exception, and Alert. Below the legend, session details indicate treatment started 4 days ago (2/13/2026 9:33:54 AM - 2/13/2026 9:51:01 AM). A statistics table shows counts for New, Reviewed, Action Req, Approved, Disposed, Overrides, and Manual Tx. The timeline shows two treatment sites: Breast\_L\_3D (9:36:48 AM) and Breast\_R\_3D (9:48:51 AM). Two 'AlignRT Report' icons are circled in red, corresponding to the 'LAT Tang\_L Brst' and 'LAT Tang\_R Brst' events.



# SGRT Billing Justification

- Recent 2026 billing changes justify medical need for Level 3 (77412) to be billed
- Performing “active motion management” documentation is necessary to justify the need
- Automated record keeping of “active motion management” for audit and billing purposes
- Proof of medical necessity
- Supports capturing reimbursement



# Active Motion Management Proof

Beam Control toggle ON  
in screen capture

alignRT Treatment Report Cape Fear Valley Cancer Center  
3/13/2026 4:04:35 PM

PATIENT DETAILS SYSTEM DETAILS / SETTINGS

STATEMENT

FINAL MONITORING SESSION

SCREEN CAPTURE 1

SCREEN CAPTURE 1

Time Stamp:  
3/13/2026 4:04:35 PM

alignRT

Prostate Bed Prostate B SGRT Prostate Bed Prostate Bed

VRT<sub>cm</sub> 0.03  
LNG<sub>cm</sub> -0.06  
LAT<sub>cm</sub> 0.01  
MAG<sub>cm</sub> 0.07  
YAW<sup>°</sup> 0.0  
ROLL<sup>°</sup> 0.0  
PITCH<sup>°</sup> 0.1

Beam Control **ENABLED**

Beam Hold Delay (seconds)  
2

15.0 fps Field Status System Status 3/13/2026 4:04 PM

Thank you for  
your time!

**PRESENTATION FINISHED**



**PLEASE DON'T ASK DIFFICULT  
QUESTIONS**