SIM　　　　PLAN　　　　TREAT　　　　DOSE

dose rt™
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SGRT FOR
DOSE VISUALIZATION

Visualize Dose Distribution and Monitor Patient Positioning in Real Time

DoseRT is a treatment verification tool that provides real time in vivo images of dose delivery while monitoring patient positioning to ensure treatment quality.

DoseRT brings together Cherenkov imaging with AlignRT and Horizon cameras.

Dose Visualization
Can help prevent treatment errors in real time.

Published data suggests approximately **10%** of patients received sub-optimal treatment that can be detected by Cherenkov imaging.[2]

- **Stray Radiation to the Contralateral Breast**
  Clinical evidence suggests that **2.6%** of breast cancer patients had secondary contralateral cancer attributable to radiation.[1]

- **Bolus Misplacement**
  Currently no real-time verification tool exists.

- **Radiation to unintended areas**
  Due to treatment plan errors, exit dose radiation, or patient positioning.

Dose Visualization + SGRT
Can help improve treatment quality.

21% of Preventable Reported Events could be prevented with SGRT.[3]

- **43%** due to wrong isocenter
- **34%** due to wrong accessory

What is Cherenkov Imaging?

During radiation therapy, Cherenkov light is emitted from the patient's skin where the radiation beam enters or exits the body.

Cherenkov Imaging uses highly sensitive cameras, synchronized with both the linac and SGRT, to visualize this light from the patient's skin.

Guidance for
EVERY step

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