

Treatment Planning Considerations for Implementing a Cone-Beam CT-Guided Adaptive Radiation Therapy Program

Description

The authors describe practical treatment planning considerations for implementing a cone-beam CT-guided adaptive radiation therapy (CTgART) program with a specific focus on a template-based treatment planning methodology. The article discusses disease-site-specific treatment planning considerations for the delivery of CTgART to the thorax, abdomen, prostate, and bladder, and examines future directions for this technology, which is becoming increasingly accessible and utilized in radiation oncology.

Learning Objectives

Upon completing this activity:

1. Clinicians will develop knowledge of simulation, treatment planning, and treatment delivery techniques utilizing CTgART.
2. Clinicians will learn important steps for implementing CTgART workflows for the thorax, abdomen, prostate, and bladder.
3. Clinicians will understand the future directions of this rapidly advancing technology.

Authors

Chipo Raranje, MS¹; Ryan Mueller, MD¹; Alex T. Price, PhD²; Lauren E. Henke, MD²; Xiaodong Zhao, PhD¹; Hyun Kim, MD¹; Eric Laugeman, MS¹; Joshua P. Schiff, MD¹

Affiliations: ¹Department of Radiation Oncology, Washington University School of Medicine, St. Louis, MO; ²Department of Radiation Oncology, University Hospitals/Case Western Reserve University, Cleveland, OH.

Target Audience

- Radiation oncologists.
- Related oncology professionals.

Commercial Support

None.

Accreditation/Designation Statement

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