

TrueFlex Bolus Product Brochure

A patient-specific, soft and flexible bolus used in EBRT that improves patient comfort, minimizes air gaps, and overcomes the skin-sparing effects inherent to high energy photons and electrons.

Adaptiiv's 3D Bolus software generates a mould, based on a bolus structure imported from the TPS, that is 3D printed using HP MJF printing technology and filled with silicone. Each TrueFlex bolus is quality assured by HP to ensure it passes minimum tolerance criteria required to provide optimal treatment.



“The benefits of using soft, flexible bolus are the reduction of air gaps during treatment as well as designing a non-uniform bolus to shape the treatment dose. **The customized bolus improves patient comfort and ease of setup for treatment.**”

Kelly Hosier, Medical Physicist
SUTTER HEALTH NETWORK

TrueFlex Bolus

A flexible bolus can adapt to minor changes to the surface anatomy throughout treatment fractions. TrueFlex bolus can be ordered through Adaptiiv On Demand using either the Simple Bolus or Modulated Electron Bolus software modules.

Key Benefits



Clinical Precision

Algorithms automatically generate a customized design that reduces air gaps, allowing precise dose distribution to the target area while sparing healthy tissues.



Financially Viable

Adaptiiv On Demand is a pay-per-use service with no upfront costs or budget requirement. CPT reimbursement is available.



Operational Efficiency

Adaptiiv software can generate a customized bolus mould in a few minutes. The customized design of the bolus allows for faster patient setup and an overall reduction in treatment unit time.



Access to Personalized Care

TrueFlex bolus improves patient comfort and is beneficial for complex anatomies and post-surgical sites that require a personalized fit that easily conforms to irregular surface areas.

27%

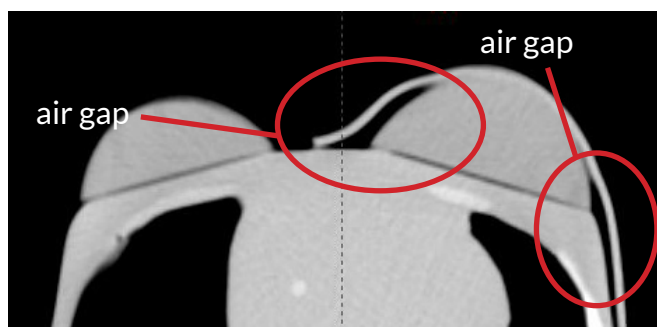
reduction in treatment unit time compared to conventional bolus set up.¹

\$800

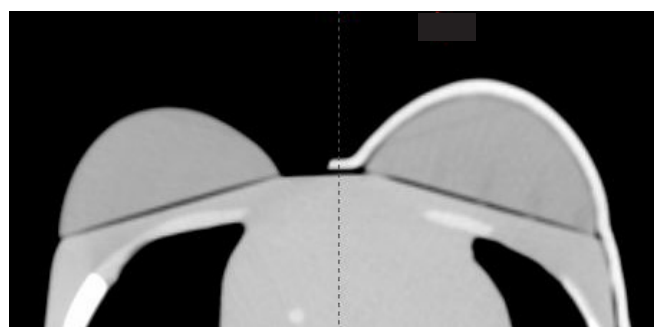
in approximate resource time savings compared to fabrication of a wax bolus.

57%

reduction in frequency of air gaps sized 5 mm or greater.²



Traditional sheet bolus used on curved surfaces, such as a breast, result in poor conformity and resultant air gaps.



A flexible, patient-specific TrueFlex bolus provides superior fit and adheres to the surface shape of complex anatomies.

^{1,2} Robar, et al (2017). Inpatient study comparing 3D printed bolus versus standard vinyl gel sheet bolus for post-mastectomy chest wall radiation therapy. Practical Radiation Oncology, 8(4), 221–229. <https://doi.org/10.1016/j.ppro.2017.12.008>