

## Angiography



Poor target visualization can make interventional oncology procedures technically challenging.

Navigational tools and image fusion platforms have the potential to facilitate these complex interventions.<sup>1</sup>

### Optimized Interventional Capabilities for Interventional Oncology

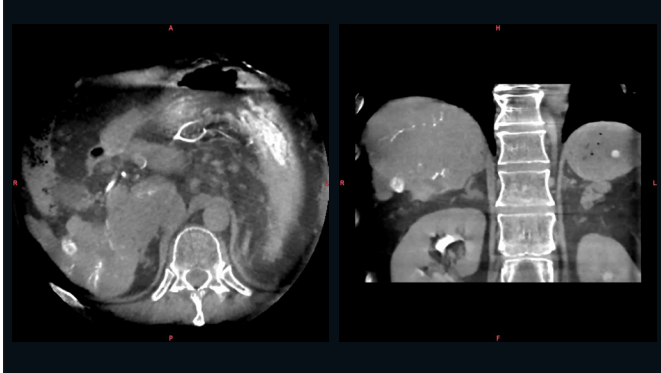
"One of the most pleasant surprises with the Alphenix system is the **Needle Guidance software**...It improves the safety of the care we provide; it improves the efficiency of the care we provide. And **lets us go after lesions and treat things that historically we would not have been able to treat** with a traditional Biplane unit."<sup>2</sup>

— C. Matthew Hawkins, MD  
Director of Pediatric  
Interventional Radiology  
Children's Healthcare of Atlanta,  
Atlanta, GA



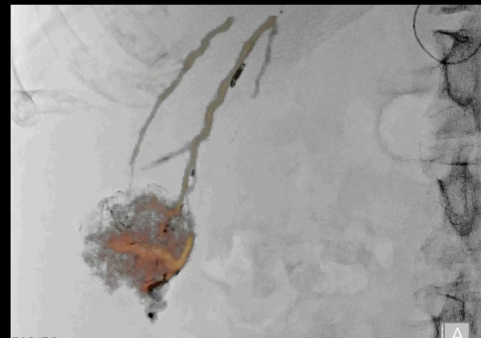
# Navigate with confidence and accuracy

## Alpha CT<sup>3</sup>



- CT-like imaging (Cone Beam CT)
- Supports visualization of anatomy or pathology during interventional procedures

## Image Fusion Tools<sup>3</sup>



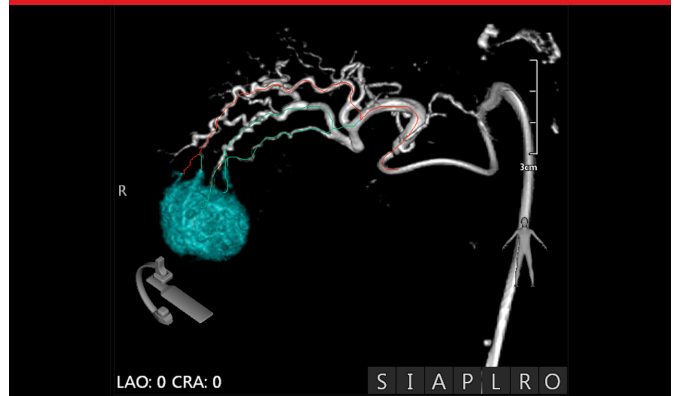
- 3D Angiography, CT or MRI volume data can be superimposed on the live fluoro display<sup>4</sup>
- Provides additional views of the vascular anatomy to assist the operator during the interventional procedure

## Needle Guidance<sup>3</sup>



- Enables positioning of the C-arm to the optimum viewing position
- Displays the skin entry point and a puncture guideline on live fluoro

## Embolization Plan<sup>3</sup>



- Rapid liver tumor and feeder vessel extraction
- Use 3D Roadmap or Multi Modality Fusion to overlay the extracted data on live fluoro

<sup>1</sup> M.A. Chehab et al. Navigational Tools for Interventional Radiology and Interventional Oncology Applications. Seminars in Interventional Radiology 2015, 32(4):416-427 (<https://dx.doi.org/10.1055/s-00335-1564705>).

<sup>2</sup> The clinical results, performance and views described are the experience of the clinicians. Results may vary due to clinical setting, patient presentation and other factors

<sup>3</sup> Optional

<sup>4</sup> Multi-modality image fusion is only possible if 3D Roadmap and Multi Modality Fusion are available on the system.

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