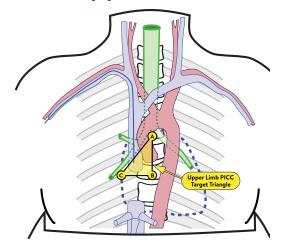
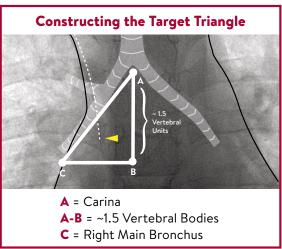
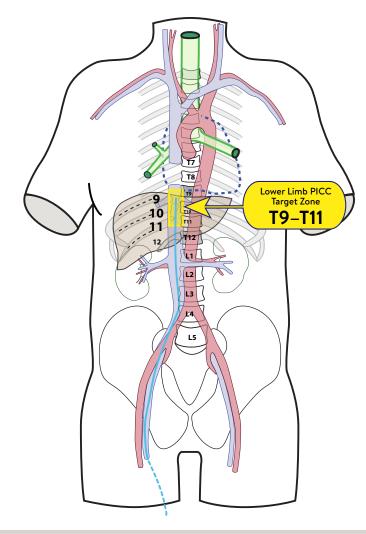
Upper Limb





Lower Limb



CV considerations

- · For upper limb placements, if concern for arrhythmia, target zone is at right main bronchus.
- If patient has a potential need for future single ventricle palliation, lower extremity access is preferred.
- L sided SVC placement will be dependent on pre-procedural imaging and will be handled on a case by case with goal of avoiding cardiac margin.
- Any uncertainty or situations of unusual anatomy require discussion with the primary team and it is recommended to confirm placement through ultra sound study with patient in resting position.

Lines may migrate 0.5-1.0 cm. In absence of clinical findings, it is recommended to reposition based on trends over several films.

References: 1. Connoly, B., et al. "Fluoroscopic landmark for SVC-RA junction for central venous catheter placement in children." Pediatric Radiology. 2000 Oct; 30(10): 692-5. **2.** Kevin M. Baskin, et al, Cavoatrial Junction and Central Venous Anatomy: Implications for Central Venous Access Tip Position. Journal of Vascular and Interventional Radiology, Vol 19/3, March 2008, 359-365



