The ability to visualize underlying structures of the chest, neck, and upper/lower extremities provides for greater success, speed, and safety with all vascular access procedures” Spencer and Pittiruti (2018).

Abstract:

Ultrasound technology has revolutionized the practice of safer vascular access, for both venous and arterial cannulation. The ability to visualize underlying structures of the chest, neck, and upper/lower extremities provides for greater success, speed, and safety with all vascular access procedures. Ultrasound not only yields superior procedural advantages but also provides a platform to perform a thorough assessment of the vascular structures to evaluate vessel health, viability, size, and patency, including the location of other important and best avoided anatomical structures-prior to performing any procedures. Such assessment is best performed using a systematic and standardized approach, as the Rapid Central Vein Assessment, described in this study.

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