

	activity, including swimming Dressing needed only when port accessed with Huber needle that is not removed No or only slight change in body appearance (slight bulge on chest)	Removal requires surgical procedure
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EMLA, Eutectic mixture of local anesthetics; *IV*, intravenous; *LMX*, lidocaine.

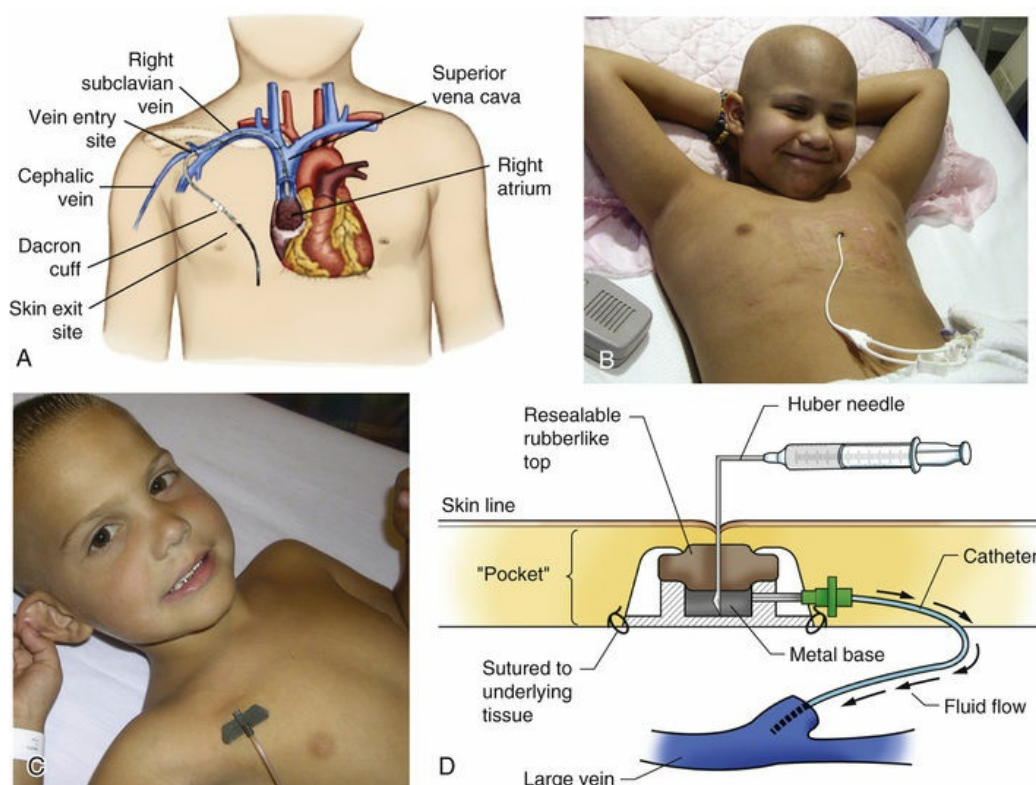


FIG 20-12 Venous access devices. **A**, External central venous catheter insertion and exit site. **B**, Child with an external central venous catheter (dressing removed for photo). **C**, Child with an implanted port with a Huber needle in place (dressing removed for photo). **D**, Side view of an implanted port.

With any of the central venous catheters, medication is easily instilled through the injection cap. Maintenance of the catheter includes dressing changes, flushing to maintain patency, and prevention of occlusion or dislodgment.