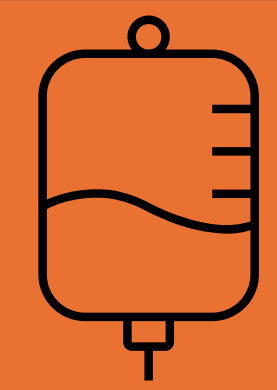


Emergent Intraoperative Intraosseous Catheterization During Cesarean Delivery in a Morbidly Obese Parturient with Sudden Loss of Intravenous Access

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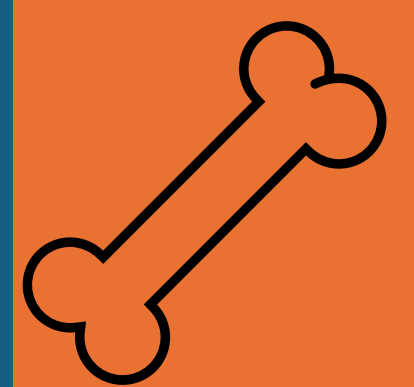
Background



In a morbidly obese parturient whose vitals are unstable, obtaining IV access may be difficult and intraosseous access may be utilized to provide rapid resuscitation

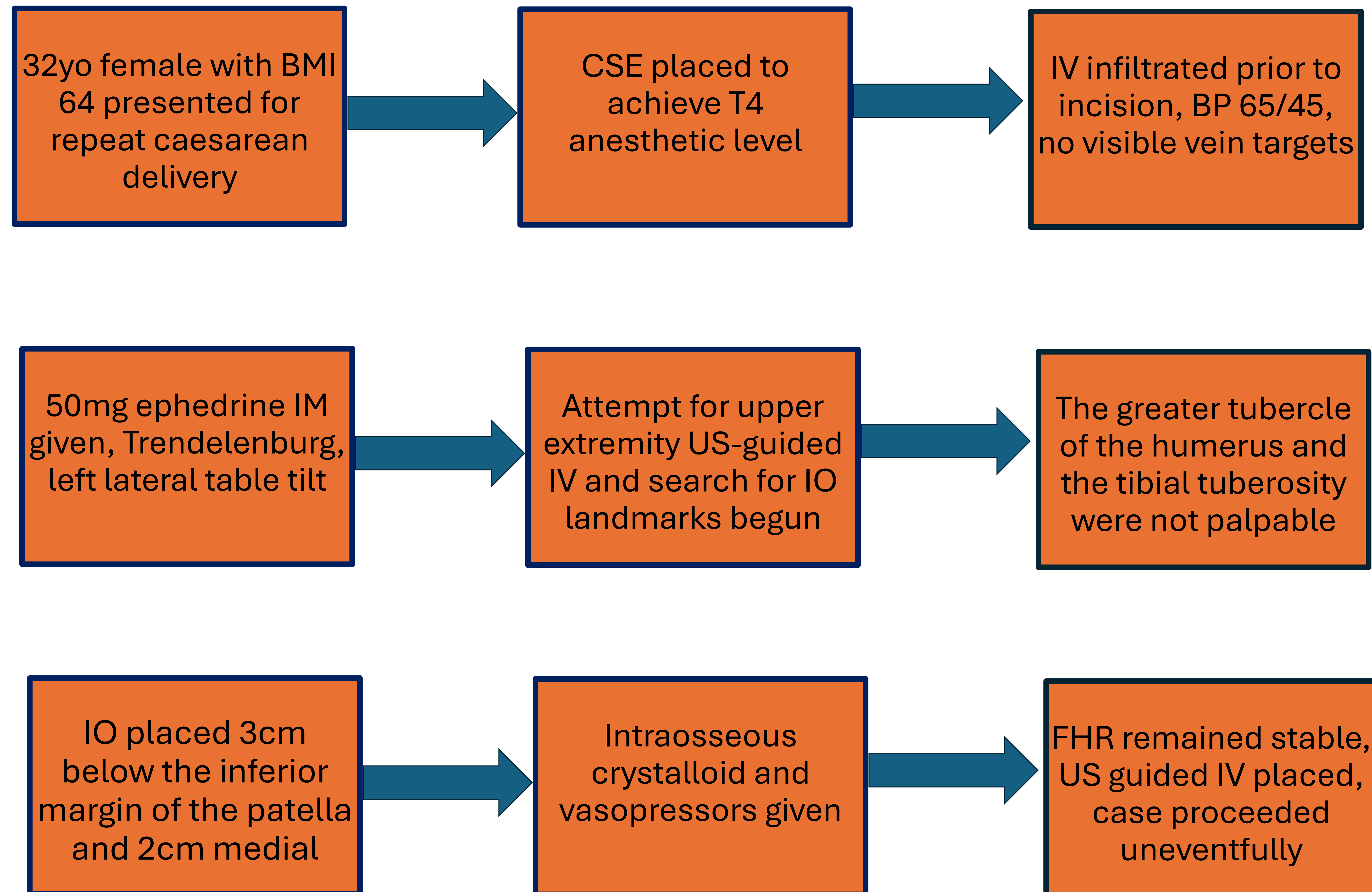


The humerus is the recommended intraosseous site for obstetric resuscitation as it bypasses aortocaval compression and supports higher flowrates than the tibia



Intraosseous cannulation of the tibia has been found to be 30-40% more successful than proximal humeral insertions

The Case



Teaching Points

Obtaining rapid access in the patient was difficult and required intraosseous cannulation.

Blind intraosseous cannulation of the tibia established access quickly so resuscitation could begin while an ultrasound guided IV was placed.

The proximal tibia can be a good option for intraosseous cannulation in the parturient because it is a presumably larger target than the proximal humerus, it is more likely to be successfully cannulated in a blind attempt, and the patient is insensate in the lower extremities from the epidural.