

IV Access



Differences between artery and vein

Artery	Vein
Smaller diameter	Larger diameter
Thicker walls (although difficult to appreciate by US)	Thinner walls
Pulsatile (pulses seen clearly and are sustained)	Can transmit pulses (pulses are more wavy may not be sustained)
Color Doppler: pulsatile flow	Flow may not be seen in smaller veins, and can be enhanced by squeezing calf muscles

