

Supraclavicular block

Equipment:

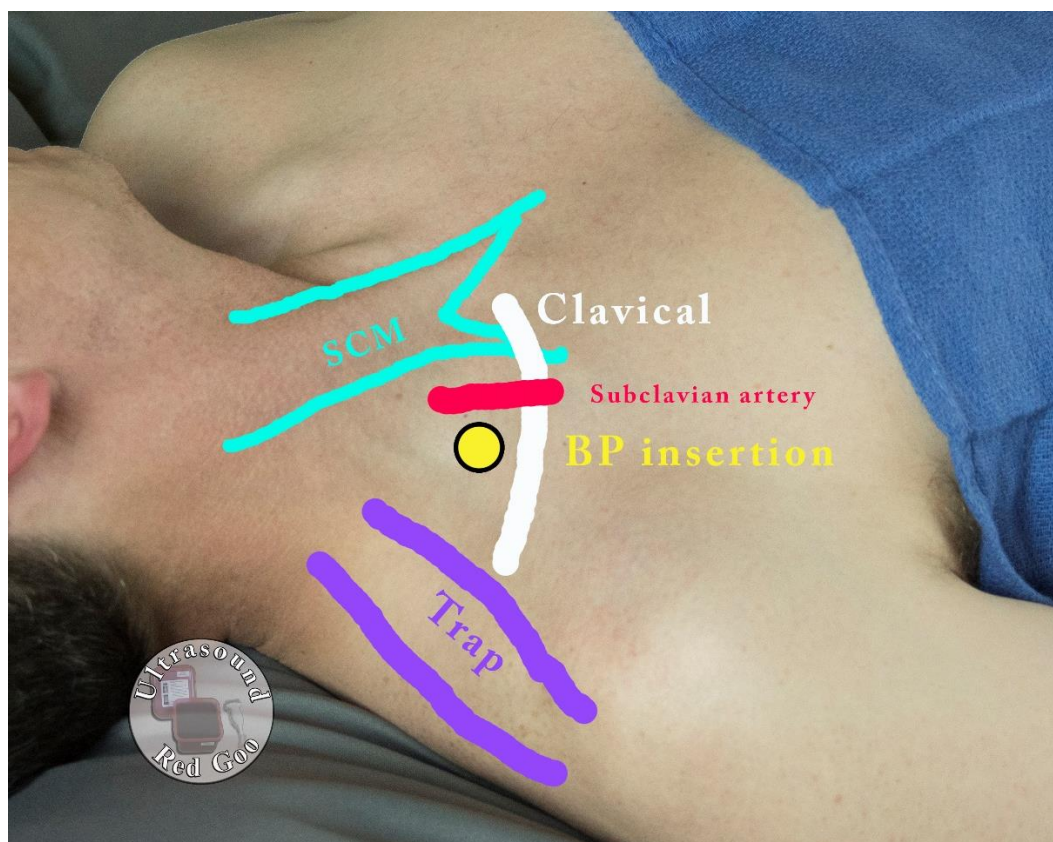
Nerve stimulator
Stimulation needle 50 mm
20-40 mL local anesthetic
Local for skin
+/- Ultrasound machine
Probe cover or large tegaderm
Skin marker for OTO as well as landmark technique

Landmarks

Chassaignac's tubercle C-6
The two sternocleidomastoid heads
The interscalene groove
The external jugular

Landmark technique

Locate the clavicular insertion of the sternocleidomastoid
Insert needle 2.5 cm lateral to insertion point of muscle in anterior posterior direction
If unable to elicit a twitch redirect caudally with extreme care
Goal is a lower trunk twitch of the hand eliciting flexion or extension



Supraclavicular block ultrasound guidance

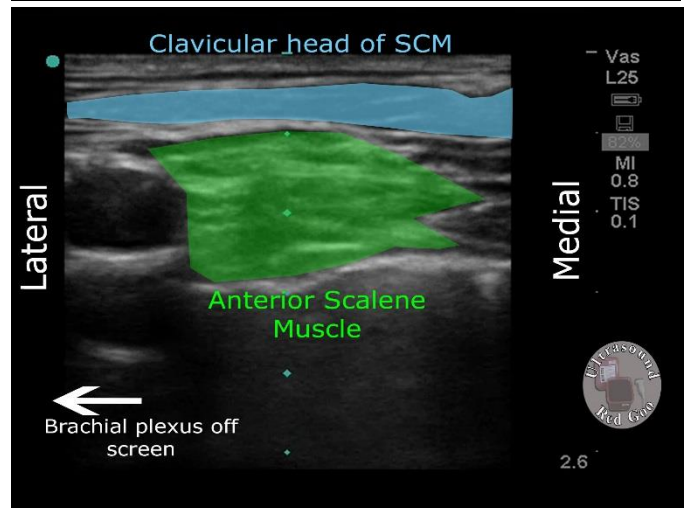
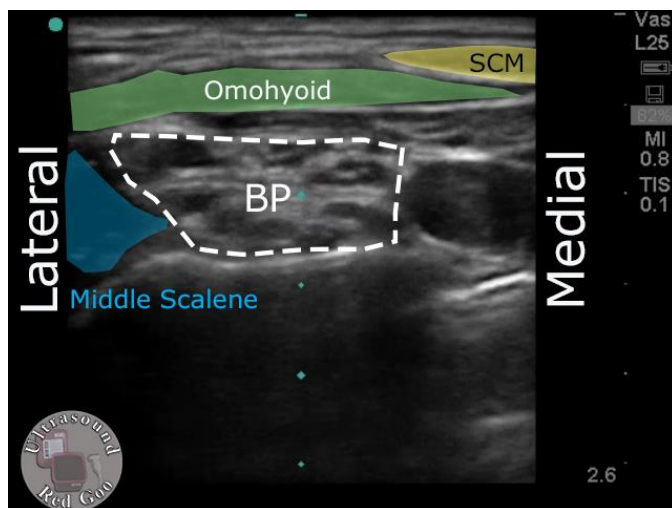
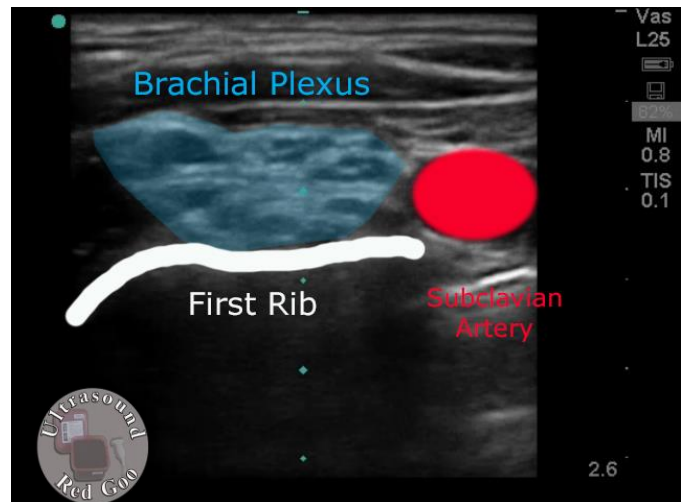
Place the probe in the clavicular fossa

Locate the brachial plexus lateral to the subclavian artery

Insert the needle lateral to the plexus in-plane

With needle tip in view advance to the “8 ball” junction of first rib and artery
inject local

Withdraw needle and redirect to the top of plexus and inject. Note stop if sharp pain or syringe resistance occurs and pull back 1-2mm



Notes:

1. When using a nerve stimulator (twitch) do not inject if current is below 0.2mA with a noticeable twitch
2. Do not inject if the patient complains of sharp pain, pressure is typically OK
3. Do not inject if high resistance is noted on syringe
4. Maintain meaningful contact with patient and avoid over sedation