

Femoral Block

Quick Guide

Any patient. Anywhere. Anytime.

Information contained in this document is meant for quick reference and a supplement to formal ultrasound experience, education or training.



Femoral Block

Objective

Injection of local anesthetic around the Femoral Nerve lateral to the Common Femoral Artery.

Technique:

- Begin by placing the transducer transversely in the inguinal crease to identify the Common Femoral Artery.
- The Femoral Nerve is identified lateral to the Common Femoral Artery.
- Use the in-plane needle technique with a lateral to medial approach.
- Initial injection of local anesthetic occurs lateral to the Femoral Nerve.
- The block needle is repositioned to ensure deposition of local anesthetic around the Femoral Nerve.

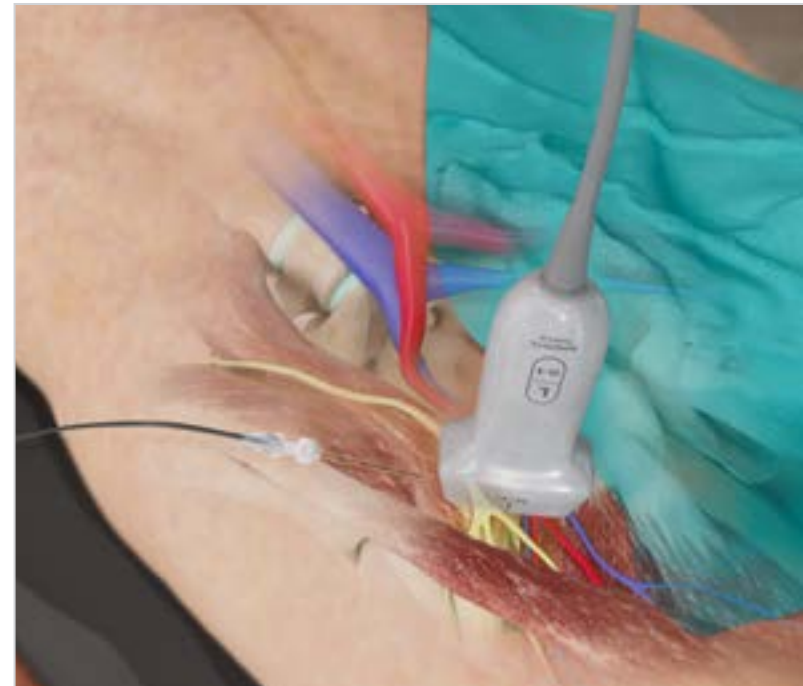


FIG. 1: Common Femoral Artery and Transducer Location

Clinical Pearls

Patient Positioning:

Supine

Transducer:

L12-3, L15-4

Teaching Points:

- The Femoral Nerve is surrounded by the Fascia Iliaca. Initial Injection should occur just adjacent and lateral to the Femoral Nerve within the surrounding Fascia Iliaca.
- The Femoral Nerve Block provides a sensory and motor block to the anterior and medial thigh including the knee.
- A nerve stimulator may be used to ensure the injection is in close proximity to the Femoral Nerve.
- Injection of local anesthetic will allow the Femoral Nerve to be easily identified as it is displaced by the injection. The Femoral Nerve will become round in appearance after injection.
- The motor block from the Femoral Nerve Block will inhibit early postoperative ambulation.

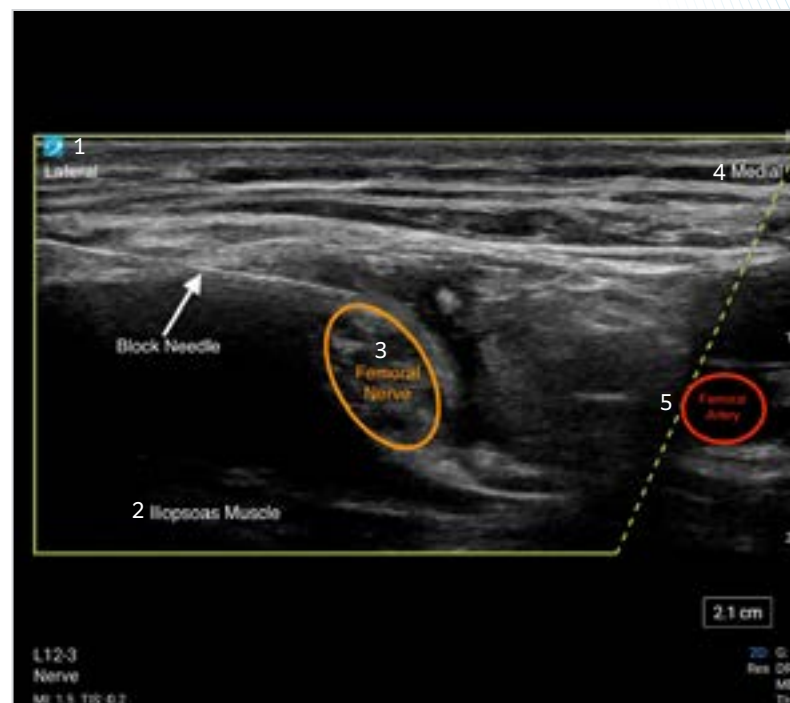


FIG. 2

1. Lateral
2. Iliopsoas Muscle
3. Femoral Nerve
4. Medial
5. Femoral Artery

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