

ATLAS OF
**ULTRASOUND-GUIDED
REGIONAL
ANESTHESIA**

FOURTH EDITION

ATLAS OF
**ULTRASOUND-GUIDED
REGIONAL
ANESTHESIA**

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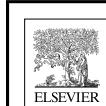
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Ultrasound Safety Issues

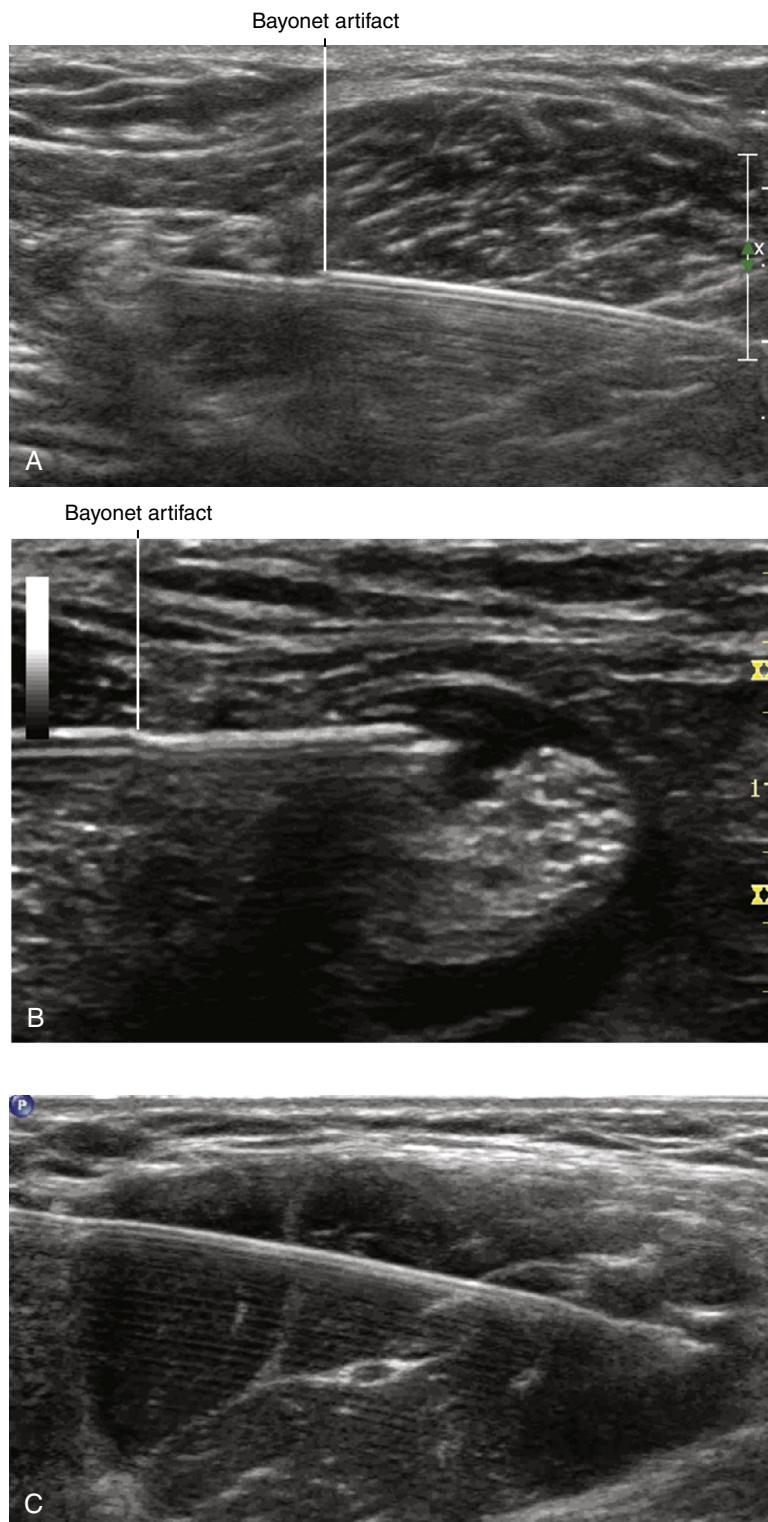


FIGURE 2.1 Bayonet artifacts observed during popliteal block (A and B). Because the speed of sound is not necessarily homogeneous in soft tissue, the needle can sometimes appear to bend, similar to a bayonet shape. The apparent bend occurs near the middle of the popliteal fossa where there is more adipose tissue (which has a slower speed of sound than muscle) overlying the needle. Actual mechanical bending of the needle typically appears as gentle bowing of the needle (C).

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