

Making in-plane guidance a simple standard.

“This needle guide greatly increased the chances of an acceptable needle view and reduced the likelihood of having no needle visualized when compared with not using a needle guide.” **Rajnish K. Gupta, MD, Pain Medicine 2013**

CIVCO's Infiniti Plus needle guide is an effective tool to improve efficiency and outcomes for in-plane (IP) ultrasound-guided nerve blocks and central line placements. Infiniti Plus has been used extensively for both upper and lower extremity nerve blocks and line placement procedures.

Clinical studies demonstrate the use of Infiniti offers:

- Access to superficial and deep targets
- Successful cannulation for all users
- Accurate, repeatable outcomes

Improved needle visualization.^{1,2,3}

Infiniti keeps the needle tip within the scan plane.

Reduced procedure time.^{2,3}

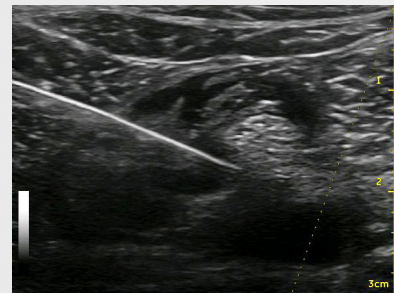
Infiniti helps reduce time for successful needle placement.

Increased patient safety.^{1,3}

Infiniti helps reduce inadvertent punctures to adjacent structures for enhanced patient safety.



A supraclavicular block is performed in-plane using the Infiniti Plus needle guide. The entire length of the needle is visualized as it is advanced to the posterior border of the plexus avoiding the subclavian artery.



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Improved needle visualization.^{1,2,3}

The needle guide device used in the long-axis approach improved the needle visualization compared with free-hand techniques.¹

This needle guide greatly increased the chances of an acceptable needle view and reduced the likelihood of having no needle visualized when compared with not using a needle guide.²

This 355% improved odds of better needle visualization with a needle guide is a significant enhancement for ultrasound-guided regional anesthesia (UGRA).²

In conclusion, this study supports earlier studies that have shown increased needle visibility and shorter procedural time when using a needle guide. This benefit was independent of operator experience.³

Reduced procedure time.^{2,3}

We demonstrated that the Infiniti needle guide improved ultrasound technique regardless of the level of operator experience, by reducing the time taken to complete the task...³

A needle guide can help reduce the time needed to complete a simulated nerve targeting procedure and enhance needle visualization...²

In conclusion, an in-plane multi-angle ultrasound needle guide, when used by novice anesthesiologists, reduces the time to complete the ultrasound-guided simulated nerve targeting task.²

Increased patient safety.^{1,3}

Infiniti needle guide may improve patient safety and comfort during peripheral nerve blockage.³

The needle guide permitted significantly more consistent visualization of the needle during the procedure, which suggested the needle guide's potential to improve patient safety by reducing the incidence of inadvertent punctures of adjacent structures.¹

References

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2. Gupta R, Lane J, Allen B, Shi Y, Schildcrout J. "Improving Needle Visualization by Novice Residents During an In-Plane Ultrasound Nerve Block Simulation Using an In-Plane Multi-Angle Needle Guide." *Pain Medicine*. 14.10 (2013): 1600-1607.
3. Whittaker S, Lethbridge G, Kim C, Keon Z, Ng I. "An Ultrasound Needle Insertion Guide in a Porcine Phantom Model." *Journal of the Association of Anaesthetists of Great Britain and Ireland – Anaesthesia*. 68. 8 (2013): 826-829.