Accuracy

• In a simulated study comparing the use of Pinpoint™ GT Needle Technology with conventional ultrasound for needle guidance, clinicians:
  - Improved needle placement accuracy by 51%*
  - Reduced non-productive needle sticks by 71%*

How does Pinpoint™ GT Needle Technology Work?
Compatible ultrasound systems can detect a magnet in the hub of the needle. This allows the system to:
• Detect the orientation of the needle.
• Display the needle position and trajectory on the ultrasound screen for both in plane and out of plane use.

With Pinpoint™ GT Needle Technology you can:
• Visually align the needle pathway, prior to insertion.
• Place needles out-of-plane, in-plane, or oblique to the target structure.
• Confirm needle intersection of the ultrasound plane.

*As demonstrated through in vitro testing. Data on file. Simulated testing may not be indicative of actual clinical outcomes.

Caution: When using a Pinpoint™ GT Needle with an ultrasound system equipped with Pinpoint™ GT Needle Technology, bending of the needle will cause inaccuracy of the system. Use a light touch on the needle to avoid bending, especially with smaller gauge needles (e.g. 21-24 gauge needles).
Peripheral Nerve Block (PNB) Indications for Use

The peripheral nerve block Pinpoint™ GT Needle is intended for use in injecting local anesthetics and/or analgesics into a patient to provide regional anesthesia and/or analgesia and/or to facilitate the placement of a catheter.

The peripheral nerve block Pinpoint™ GT Needle may be used in any appropriate patient population.

Contraindications:
- Intrathecal use; including the spinal canal or subarachnoid space such that it reaches the cerebrospinal fluid (CSF).
- Sepsis / bacteremia, shock, coagulation disorders, allergic reactions to local anesthetics, nerve damages.

Hypodermic Indications for Use

The hypodermic Pinpoint™ GT Needle is intended for the injection of medication into or the withdrawal of body fluids from parts of the body below the surface of the skin. The needle is to be used with syringes for general purpose fluid injection/aspiration. The needle tip is echogenic and may be used with ultrasound to provide a visual representation of the needle tip throughout the insertion, medication administration and aspiration process.

Contraindications:
- Intrathecal use; including the spinal canal or subarachnoid space such that it reaches the cerebrospinal fluid (CSF).

Safety and Non-Safety Introducer Indications for Use

The Pinpoint™ GT Introducer Needle is intended for patients requiring percutaneous access to place a guidewire for subsequent placement of catheters or other medical procedures requiring introducer needle access. The Pinpoint™ GT Introducer Needle may be used in any appropriate patient population.

Caution: When using a Pinpoint™ GT Needle with an ultrasound system equipped with Pinpoint™ GT Needle Technology, bending of the needle will cause inaccuracy of the system. Use a light touch on the needle to avoid bending, especially with smaller gauge needles (e.g. 21-24 gauge needles).

Please consult product labels and inserts for any indications, contraindications, hazards, warnings, precautions, and directions for use.