

How to hold SonoStik®





How to use SonoStik®

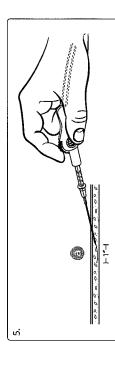




- 1. Remove one of the recommended catheter and needle sets from the packaging.
- 2. Remove the flash cap from the end of the needle.
- 3. Insert the proximal slip tip connector into the distal end of the needle until there is a snug fit and the tip of the male lure connector is contacting the needle.



4. Once you get a flash, you can begin to introduce the guide wire. Begin moving the wheel forward to advance the wire into the vessel (a). The wire has to travel from the device through the length of the needle. There is an plastic stop on the proximal end of the guide wire which can be used for further confirmation of guide wire movement (b).



Advance the guide wire into the vessel approximately 1", depending on the catheter length (a).

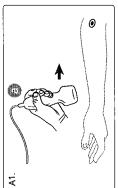


 Using your index finger, advance the catheter over the needle and guide wire into the vessel. Remove the SonoStik® introducer guide wire and needle as a single unit (a). The wire does not need to be

retracted nor does the **SonoStik®** device need to be removed from the needle. The entire assembly can be removed in one step and disposed of in a sharps container.

WARNING: DO NOT EXTEND THE GUIDE WIRE BEYOND THE TIP OF THE NEEDLE BEFORE INSERTION. DOING SO COULD DAMAGE THE GUIDE WIRE AND DISRUPT EVIDENCE OF A FLASH.

Appendix: Ultrasound and Catheter Placement

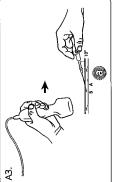


A1. Using a desired ultrasound system (a), place the wand on the patient's arm to locate the vessel in the transverse plane.



A2. Once an appropriate vessel is located, use the mated device and needle to begin puncture. This may be done while holding the

SonoStik® device in one hand, and the ultrasound wand in the other.



A3. Push the needle through the tissue at an appropriate angle of approach at approximately 10°. The needle should travel through subcutaneous tissue until it reaches the vessel. While advancing the needle, you should also move the ultrasound wand forward simultaneously in order to fully visualize penetration. Once you are in the vessel, you should observe a blood flash. The needle punctures the tissue at point A, travels through the tissue, and punctures the vein at point B (a).

Instructions For Use

Cat. # SON-PVI-01

SonoStik Guide Wire Introducer

Safety and Efficacy Considerations:

Do not use if package has been previously opened

warning, precautions, and instructions. Failure to do so may result in severe patient injury or death Warning: Prior to use read all package insert

re-sterilize or reuse. Do not alter introducer or catheter components during insertion, use or The product is designed for single use only. Do not

Catheter or the BD Angiocath IV. The Guide and needle sets—the B Braun Introcan Safety IV needle sets between 1 and 2.5 inches long. Wire Introducer works best with catheter and to be used with one of two 18 gauge IV catheter The SonoStik Guide Wire Introducer is intended

technique and potential complications. personnel versed in anatomical landmarks, safe Procedure must be performed by trained

Indications for Use:

which is used for placement of the sheath into the vein or artery. the mini Guide Wire. The mini Guide Wire is an accessory device which is used to gain access to the vein or artery, for placement of placing a catheter through the skin into a vein or artery of the coronary arteries or neurovasculature. peripheral vasculature. The Entry Needle is an accessory device The SonoStik Guide Wire Introducer is not intended for use in the The SonoStik IV Guide Wire Introducer device is used to facilitate

Warnings and Precautions:

Warning: Practitioners, when attempting to place the necrosis, hemorrhage, thrombosis, peripheral ischemia embolization, hematoma, arterial spasm, tissue wall perforation, intravascular clotting and procedures, including bacteremia, septicemia, vessel be aware of complications associated with arterial catheter into the artery or vein with a guide wire, must

- and infarction, peripheral nerve damage, air embolism, and occlusion.
- be guaranteed, and therefore intravascular clotting can Warning: In brachial procedures, collateral flow cannot result in tissue necrosis.

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- ascertain that definite evidence of collateral ulnar flow Warning: In radial artery procedures, practitioners must
- 4. is not inadvertently kinked at hub area when securing and cause a fraying of fatigue or material, leading to catheter to patient. Kinking may weaken wall of catheter not puncture artery or vein, shear off or that the catheter Warning: Care should be exercised that guide wire does possible separation of the catheter.
- Ņ borne pathogens, health care workers should routinely Warning: Due to risk of exposure to HIV or other blood care of all patients. use universal blood and body-fluid precautions in the

.7

9 prep sprays and swabs for acetone and alcohol content. structure of polyurethane materials. Check ingredients of Precaution: Alcohol and acetone can weaken the

allowed to dry completely prior to applying dressing. concentrations of alcohol. Always to restore catheter patency. Care guide wire surface. allow alcohol to dry completely prior to applying should be taken when instilling drugs containing high Alcohol: Do not use alcohol to soak catheter surface or Acetone: Do not use acetone on SonoStik Device or Acetone may be applied to the skin but must be

- 7. Precaution: Some disinfectants used at the catheter wire or catheter material. Assure insertion site is dry insertion site contain solvents which can attack the guide pefore dressing.
- œ Precaution: Indwelling catheter should be routinely dressing to minimize the risks of cutting catheter. possible migration. Do not use scissors to remove inspected for desired flow rate, security of dressing, , and

A Suggested Procedure:

Use sterile technique.

- 2. Assess for adequate collateral arterial circulation.,
- protocol. Prep and drape anticipated puncture site per hospital
- Use local anesthetic as required.
- stationary and gently but firmly pressing the introducer catheter set. Ensure there is a snug fit by holding the set of the introducer into the back end of the needle needle catheter set. Insert the spring loaded mating tip Remove the flash cap from the back of the cannulated into the set so the mating tip is contacting the back end

- of the needle, and forms a snug seal with the inside of
- actuating lever must be retracted proximally as far as Remove protective cover from needle. Trial advance possible or blood flashback may be inhibited wheel towards you. Precaution: prior to insertion, wheel to ensure proper function. Move the advancing and retract guide wire through needle using advancing

6

- clear tip of hub of introducer needle and/or confirmation of the introducer needle tip in the vessel subsequent advancement of guide wire could result in inadvertent sub-vessel placement. Blood flashback in Precaution: if both vessel walls are punctured, forward motion, avoid transfixing both vessel walls. Puncture vessel using a continuous, controlled, slow, indicates successful entry into vessel
- Stabilize position of introducer needle and carefully BEYOND THE TIP OF THE NEEDLE BEFORE GUIDE WIRE AND DISRUPT EVIDENCE OF A INSERTION. DOING SO COULD DAMAGE THE WARNING: DO NOT EXTEND THE GUIDE WIRE blood flashback confirmation of needle tip in the vessel Precaution: Do not advance guide wire unless there is advance guide wire using the advancing wheel.

advancing guide wire do not force feed. Warning: Do advancement withdraw entire unit and attempt new resistance is encountered during guide wire vessel to minimize the risk of guide wire damage. If not retract guide wire against edge of needle while in Precaution: If resistance is encountered while

- œ Advance the guide wire a maximum of 1 to 2mm further into vessel
- 9 Firmly hold introducer needle hub in position and over guide wire into vessel. advance catheter forward, with a slight rotating motion
- 10 Hold catheter in place and remove needle/guide wire catheter to minimize risk of catheter damage assembly. Blood flow indicates positive placement in the vessel. Precaution: Do not reinsert needle into
- Safely dispose of needle and guide wire assembly in sharps container
- Attach desired stopcock, injection cap or connecting may weaken wall of catheter and cause a traying or hub area when securing catheter to patient. Kinking preferred manner. Warning: Care should be exercised tubing to catheter hub. Secure catheter to patient in fatigue of material, leading to possible separation of the hat indwelling catheter is not inadvertently kinked at
- 13 Precaution: Dress placed catheter according to hospital

177-17621-00 Rev B