Instructions for Use reference

These instructions are to be used only as a reference. Read the Instructions for Use that accompany the Jamshidi® T-handle bone marrow biopsy/aspiration needle for more detailed instructions.

1. A scalpel blade may be used to puncture the skin prior to inserting the needle.

2. Introduce the needle through the incision, and using firm pressure, slowly advance the needle while rotating the needle 45 degrees in an alternating clockwise/counter-clockwise motion (Figures B and C). Make sure that the needle is placed to the bone at a 90° angle while applying downward pressure and twisting motion to advance the needle. Entrance into the marrow cavity is generally detected by decreased resistance.

3. Rotate the stylet 90 degrees counter-clockwise, and pull the stylet out of the handle.

Aspiration procedure

4. Attach a syringe to the cannula hub (Figure D).

Note: Syringes are not included with biopsy needles, but they are available in biopsy trays.

5. Apply negative pressure by quickly withdrawing the syringe plunger. Disconnect the syringe and remove the aspirated specimen.

Biopsy procedure

To perform the biopsy after the aspiration, use the same skin incision but choose a different location to enter the bone. For a biopsy only, follow steps 1 through 3 above and continue as follows:

6. With the stylet removed, slowly advance the needle with a slight clockwise/counter-clockwise motion until adequate marrow is obtained.

Caution: Excessive clockwise-counter-clockwise movement may damage sample architecture.

7. With a quick motion, completely rotate the needle 360 degrees ten times to the right and ten times to the left while applying light downward pressure to allow the tapered tip to help sever the biopsy specimen.

8. Pull the needle back two or three millimeters, and, with minimal pressure, direct the tip at a slightly different angle. Advance the needle two or three millimeters further, and rotate 360 degrees two more times. This procedure further helps to sever the specimen before withdrawing the needle (Figure E).

Caution: Applying too much pressure when redirecting the needle may bend the needle.

9. Slowly remove the needle with the same clockwise/counter-clockwise motion.

10. Place the probe guide onto the distal cannula tip. Insert the probe into the guide and remove the biopsy specimen (Figure F).

Rx Only. Sterile. Do not use if package is damaged.

For product information and technical assistance, please call 800.323.9088 or visit carefusion.com/Jamshidi.