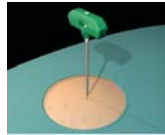
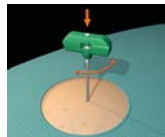


Using the Bone Marrow Biopsy Needle

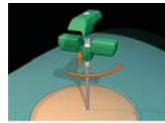
- 1 After appropriately preparing the biopsy site, introduce the bone marrow needle perpendicular to the surface of the bone, holding the needle firmly in the palm of your hand.



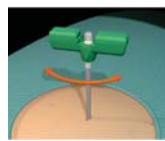
- 2 Using gentle, but firm pressure, advance the needle tip through the periosteum, into the cortex, by rotating in an alternating clockwise-counter-clockwise motion.



- 3 Remove the stylette from the needle cannula by rotating upper section 90° and pulling straight out.



- 4 Continue advancing the needle cannula forward 2 to 3 centimetres, while rotating in an alternating clockwise-counter-clockwise motion, into the bone marrow. Decreased resistance indicates entrance into the bone marrow cavity.



- 5 Insert the marked obturator/probe without force, to check the sample length in the needle lumen. Sample length is indicated by referencing the position of the “mark” to the cannula hub. Remove the probe.



- 6 Attach syringe to the end where the hub is to withdraw the bone marrow.