

“The Doubling Technique”

The Tulip Syringe Technique works most efficiently using what we call “The Doubling Technique”. This requires two cannulas. The same size and style is best, but any two cannulas will work, both are attached to syringes. When the surgeon is working with one cannula, the assistant is measuring the extracted contents in the duplicate cannula and syringe, and expelling the contents into a disposable container. Then flush the cannulas lumen and prime the cannula again with saline. This is called “The Doubling Technique”.

Assembly:

1. To attach the Johnnie Lok™ to the collar of the syringe barrel. Rotate the fins of the syringe plunger so that the Lok slips easily into its place.
2. Attach the desired cannula or infiltrator to the syringe firmly.
Note:
There is a flat surface on the hub of each Tulip cannula that displays the Tulip name. This flat surface is positioned opposite the opening in the tip of the cannula. This identifies which direction the tip opening is facing during surgery. Turn the flat surface of the cannula hub until it is in line with the number marking on the syringe barrel.
3. Flush the syringe and cannula with sterile saline or ringers lactated solution and then draw a small amount of the solution into the cannula. Point the cannula tip up and expel all air and excess saline from the instrument leaving the lumen of the cannula filled with saline.
4. Do not separate the cannula from the syringe until the procedure is complete. If the dry seal is broken, vacuum may be decreased.

Site Preparation and Infiltration

1. Make an opening in the operative site using the Pocar. The advantages of using the Pocar over traditional blades are:
 - a) It created a circumferential opening in the skin to fit the diameter of the cannula for a better seal.
 - b) It makes the initial tunnel into the operative site.
 - c) It separates the skin rather than incising it, leaving a puncture wound that can heal with little or no scar.
2. Attach an infiltrator to a syringe or to a tumescent infiltration system, fill with wetting solution and insert it into the operative site. Begin infiltration of the wetting solution and pre-tunneling.
3. After the infiltration of the wetting solution wait 10-15 minutes before starting the procedure.
4. After infiltration the procedure can begin. Insert a Tulip cannula that has been mounted to the syringe with a Johnnie Lok attached. Once the cannula is in the operative site, draw back on the plunger and lock the plunger in place using a twisting motion. Proceed using the usual strokes.
5. As each syringe is filled, remove the Tulip cannula from the surgical site and insert an identical and prepped Tulip cannula on a syringe.

Remember: “The Doubling Technique” makes the system fast and easy.