

Nasco
Life/form®

**CHILD CRiSis™ INTRAOSSEOUS
INFUSION/FEMORAL ACCESS
LEG ON STAND
LF03632U
INSTRUCTION MANUAL**



Life/form® Products by NASCO

About the Simulator...

The **Life/form®** Child **CRiSis™** Intraosseous Infusion/Femoral Access Leg is a dramatic and exciting training aid designed to demonstrate and simulate the intraosseous infusion procedure. It enables students to learn and practice with incredible accuracy and realism, a procedure that has been very difficult to simulate in the past.



Figure 1

List of Components: (Figure 1)

1. Case
2. Leg on Stand
3. 10 Bone Inserts
4. 2 Small White Towelettes
5. 1 60 cc Syringe
6. K-Y Jelly
7. Wax
8. 1/2 oz. Liquid Lubricant
9. 2 Leg Skins
10. 2 Mixing Bottles w/Coloring ("Blood")
11. IV Bag

General Instructions for Intraosseous Infusion Use:

1. Place the simulator on a flat surface such as a table top. Lay absorbent towels under the knee for support and to absorb any overflow.



Figure 2

2. To prepare blood mixture, combine the red coloring, 1 full tube of K-Y Jelly, and 1 1/4 cups of tap water in the pint bottle provided (Figure 2). Shake vigorously for 30 seconds until contents are mixed completely. After "blood" is mixed, fill the 60 cc syringe by placing the tubing end of the syringe into the bottle and drawing the "blood" up into the syringe.

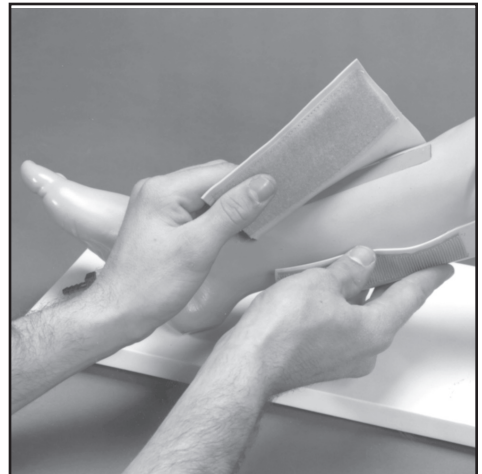


Figure 3

3. Wrap the leg skin over the lower leg and fasten it on the backside (Figure 3).

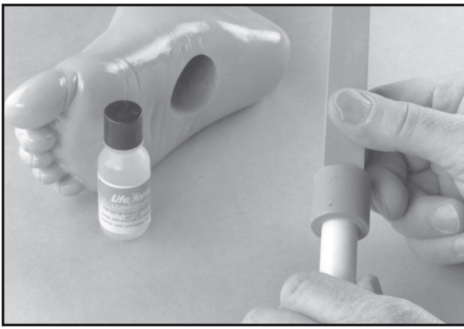


Figure 4

4. Connect the end of the tubing to the bone piece. Apply liquid lubricant to the entire bone and slide into position in the leg (Figure 4).

IMPORTANT

5. **Make your first needle insertion into the bone and remove the needle stylus. Proper insertion and pressure applied to the syringe will allow “blood” to flow through the tubing and fill the bone. When you observe “blood” flowing up through the needle, the bone is completely charged. Each new bone will need to be charged in this same manner. Correct subsequent insertions will produce an immediate flow of fluid through the needle. To reduce the pressure being placed on the bone, pull the plunger on the syringe back once verification of proper placement has been made. This will decrease the amount of “blood” that may leak from the bone.**

6. The bones have been designed so all four sides can be punctured. To change sides, carefully remove the bone from the leg and wipe clean. Remove a small piece of wax (provided) and work with your fingers until soft. Rub the wax piece back and forth across

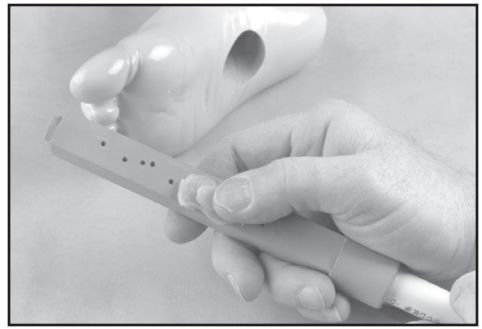


Figure 5



Figure 6

the bone holes until they are sealed (Figure 5). A thin layer of wax left on the bone surface over the holes will help in sealing. Finish by applying a thin film of NASCO lubricant over the whole bone. Turn the bone 90 degrees and reinsert into the leg (Figure 6). Do this until all four sides of the bone structure have been punctured, at which time the bone can be discarded.

SPECIAL NOTE: The Intraosseous Infusion Simulator duplicates a procedure that requires a great deal of pressure to be placed on both the simulator and the needle being used. Extreme caution should be taken to avoid pushing the needle completely through the simulator, injuring the person performing the procedure. NASCO cannot be responsible for injuries resulting from improper use of the simulator.

Intraosseous Infusion Clean Up Procedures:

1. Remove and discard any bones that have been charged with blood mixture.
2. Remove leg skin and use paper towels to completely wipe the simulator and remove any blood or lubricating agent.
3. Drain the syringe and discard any of the unused blood mixture.
4. Use clean tap water to flush and clean the syringe and tubing. Allow to dry.
5. Place all items back into case for storage.

General Instructions for Femoral Access Use:

1. Prepare the "blood" by filling one of the pint bottles with water and shaking until mixed. (Do not add the K-Y Jelly to the femoral blood mix.)
2. Be sure the clamp on the IV bag tubing is closed and hang the bag no more than 18" above the leg. Pour the blood mix from the bottle into the IV bag.

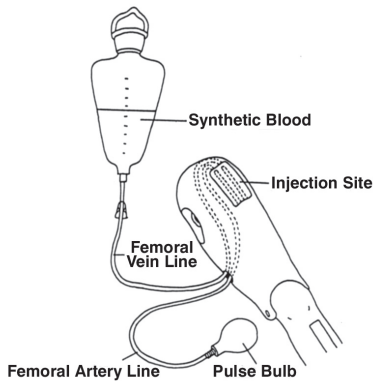


Figure 7

3. Attach the fitting end of the tubing to the access site tubing (Figure 7).

4. Open the clamp on the IV bag.
5. To charge the vein, make your first needle insertion into the vein and pull back on the syringe to remove air from the vein. Repeat this until "blood" is withdrawn. The vein is now charged, and subsequent insertions will produce an immediate flow of "blood."

Femoral Access Clean Up Procedures:

1. Close the clamp on the IV bag. Pull the fitting from the femoral access tubing and let the access tubing drain out from the leg.
2. Drain the bag into the pint bottle by placing the IV bag tubing end into the bottle and opening the clamp.
3. When the bag is empty, close the bottle and flush out the IV bag with clean water. Let dry.

Supplies/Replacement Parts for the Intraosseous Infusion/ Femoral Access Leg:

- LF00845U** *Life/Form*[®] Venous Blood, 1 quart (Femoral Access)
- LF00846U** *Life/Form*[®] Venous Blood, 1 gallon (Femoral Access)
- LF01111U** Intraosseous Infusion Blood Replacement Kit
- LF03618U** Intraosseous Infusion Bone Replacement Kit
- LF03619U** Intraosseous Infusion Leg Skin Replacements
- LF03626U** Femoral Access Site Replacement Kit

Other Available *Life/form* Simulators

- LF00698U** Adult Injectable Arm (White)
LF00856U Female Catheterization
LF00901U Prostate Examination
LF00906U Ostomy Care
LF00929U Surgical Bandaging
LF00957U Enema Administration
LF00958U Pediatric Injectable Arm
LF00961U Intramuscular Injection
LF00984U Breast Examination
LF00995U Arterial Puncture Arm
LF00997U Adult Injectable Arm (Black)
LF00999U Pediatric Injectable Head
LF01008U Intradermal Injection Arm
LF01012U Heart Catheterization (TPN)
LF01019U Ear Examination
LF01020U Supplementary Ear Set
LF01025U Male Cath-Ed I
LF01026U Female Cath-Ed II
LF01027U Peritoneal Dialysis
LF01028U Suture Practice Arm
LF01036U Spinal Injection
LF01037U Hemodialysis Arm
LF01062U Pelvic, Normal & Abnormal
LF01063U Stump Bandaging, Upper
LF01064U Stump Bandaging, Lower
LF01069U Cervical Effacement
LF01070U Birthing Station
LF01082U Cricothyrotomy
LF01083U Tracheostomy Care
LF01084U Sigmoidoscopic Examination
LF01087U Central Venous Cannulation
LF01095U Blood Pressure Arm
LF01108U Intraosseous Infusion Simulator
LF01121U Advanced IV Arm
LF01139U Advanced IV Hand
LF01142U Auscultation Trainer
LF01162U Venatech IV Trainer
LF03000U **CPARLENE®** Series
LF03601U Adult Airway Management Trainer
LF03602U Adult Airway Management on Manikin
LF03603U Adult Airway Management Head Only
LF03609U Child Airway Management Trainer
LF03610U Child Airway Management Trainer Head Only
LF03611U Child Defibrillation Chest Skin
LF03612U Child IV Arm
LF03613U Child Blood Pressure Arm
LF03614U Child Intraosseous Infusion/Femoral Access Leg Only
LF03615U Complete Child **CRiSis™** Update Kit
LF03616U Child **CRiSis™** Manikin
LF03617U Deluxe Child **CRiSis™** Manikin with Arrhythmia Tutor
LF03620U PALS Update Kit
LF03621U Infant Airway Management Trainer Head Only
LF03622U Intraosseous Infusion Right Leg
LF03623U Infant Airway Management Trainer
LF03626U Child Femoral Access Injection Pad Replacement
LF03632U Child Intraosseous Infusion/Femoral Access Leg on a Stand
LF03633U Child Airway Management Trainer with Torso
LF03693U **Basic Buddy** CPR Manikin
LF03699U "Airway Larry" Airway Management Trainer
LF03720U **Baby Buddy** Infant CPR Manikin
LF03953U **CRiSis™** Manikin
LF03955U Deluxe **CRiSis™** Manikin
LF03965U Deluxe "Plus" **CRiSis™** Manikin
LF04001U **GERi™** Nursing Manikin
LF04020U **KERi™** Nursing Manikin
LF04021U **KERi™** Basic Manikin
LF04022U **KERi™** Advanced Manikin
LF04030U **GERi™** Advanced Manikin
LF04040U **GERi™** Basic Manikin
LF06001U **CPR Prompi™** Adult/Child Manikin
LF06012U **CPR Prompi™** Infant Manikin
LF06200U **CPR Prompi™** Keychain Rescue Aid
LF06200U **CPR Prompi™** Rescue and Practice Aid

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