Dedicated to Delivery

Nasco

Life/form®

3 Life/form. Year Warranty Simulators & Trainers

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 *(See figure 1.)*

- Case
- Leg on Stand
- 10 Bone Inserts
- 2 Small White Towelettes
- 1 60 cc Syringe
- K-Y Jelly
- Wax
- ½-oz. Liquid Lubricant
- 2 Leg Skins
- 2 Mixing Bottles w/Blood Mix
- 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 1¼ cups of tap water in the pint bottle provided. ***(See 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. ***(See figure 3.)***

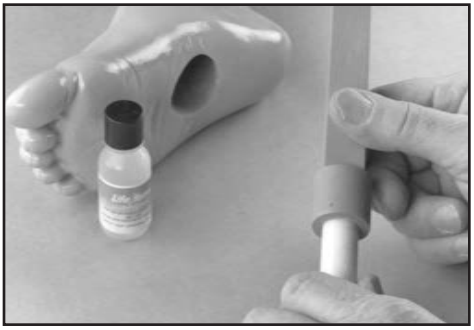

Figure 4

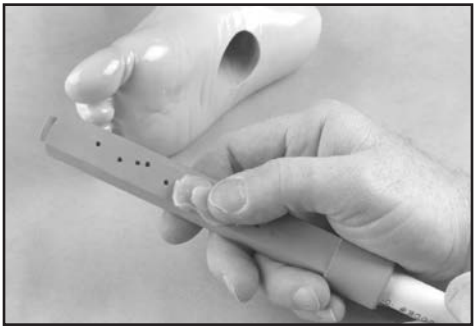

Figure 5

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. ***(See 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 the bone holes until they are sealed. ***(See 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. ***(See figure 6.)*** Do this until all four sides of the bone structure have been punctured, at which time the bone can be discarded.

Figure 6

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.

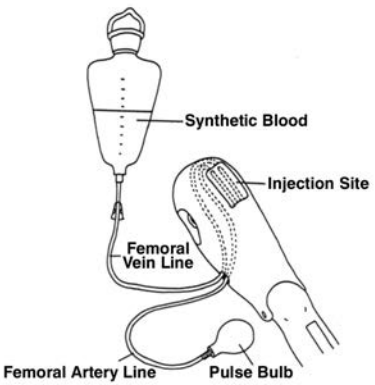

Figure 7

3. Attach the fitting end of the tubing to the access site tubing. ***(See 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 Simulated Blood Mixture

LF03618U Intraosseous Infusion Bone Replacement Kit

LF03619U Intraosseous Infusion Left and Right Leg Skin Replacements

LF03626U Femoral Injection Pad Replacement

Other Available *Life/form*® Simulators

LF00698U Adult Injectable Arm (White)
LF00855U Male Catheterization
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
LF00999U Pediatric Injectable Head
LF01005U First Aid Arm
LF01008U Intradermal Injection Arm
LF01012U Heart Catheterization (TPN)
LF01019U Ear Examination
LF01027U Peritoneal Dialysis
LF01028U Suture Practice Arm
LF01034U Suture Practice Leg
LF01036U Spinal Injection
LF01037U Hemodialysis Practice Arm
LF01038U Episiotomy Suturing Set
LF01042U Suture Kit
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 Infant Intraosseous Infusion
LF01121U Advanced IV Arm
LF01131U Venipuncture and Injection Arm
LF01139U Advanced IV Hand
LF01142U Auscultation Trainer
LF01143U Testicular Exam
LF01152U Male & Female Catheter
LF01155U Advanced CPR Dog
LF01162U Venatech IV Trainer
LF01174U NG Tube & Trach Skills
LF01184U Venatech IM & Sub Q
LF01193U Special Needs Baby
LF03000U **CPARLENE®** Series
LF03601U Adult Airway Management Trainer with Stand
LF03602U Adult Airway Management Manikin
LF03609U Child Airway Management Trainer with Stand
LF03616U Child ***CRiSis***™ Manikin
LF03617U Deluxe Child ***CRiSis***™ Manikin with Arrhythmia Tutor
LF03620U PALS Update Kit
LF03623U Infant Airway Management Trainer with Stand
LF03632U Child Intraosseous Infusion/ Femoral Access Leg on a Stand
LF03633U Child Airway Management Trainer Torso
LF03693U **Basic Buddy®** CPR Manikin
LF03699U "Airway Larry" Airway Management Trainer
LF03709U Infant ***CRiSis***™ Manikin
LF03720U **Baby Buddy™** Infant CPR Manikin
LF03750U Fat Old Fred
LF03760U Airway Management/Cricoid Pressure Trainer
LF03770U Chest Tube
LF03953U ***CRiSis***™ Manikin, Complete
LF03955U Deluxe ***CRiSis***™ Manikin
LF03956U Deluxe "Plus" ***CRiSis***™ Manikin
LF03965U Adult ***CRiSis***™ Auscultation Manikin
LF03966U Adult ***CRiSis***™ Auscultation Manikin with ECG Simulator
LF04000U ***GERi***™/***KERi***™ Manikin Series
LF04200U Adult Sternal Intraosseous Infusion
LF06001U CPR Prompt® Adult/Child Manikin
LF06012U CPR Prompt® Infant Manikin
LF06200U CPR Prompt® Keychain Rescue Aid
LF06204U CPR Prompt® Rescue and Practice Aid

Nasco **Fort Atkinson**