Nasco HEALTHCARE

Simulaids Life/form

Intraosseous Infusion Leg

LF03622U

INSTRUCTION MANUAL

5-Year Warranty

ABOUT THE SIMULATOR

The ***Life/form***® Intraosseous Infusion Leg is a training aid designed to demonstrate and simulate the intraosseous infusion procedure. The Intraosseous Infusion Leg enables students to learn and practice with accuracy and realism. The simulator allows the student to practice the procedure several times without replacing the bone structure. The simulator is a right leg, designed to be attached to the ***Life/form***® Infant ***CRiSis***™ Manikins.

LIST OF COMPONENTS

- ***Life/form***® Intraosseous Leg
- 10 Bone Inserts
- 2 Small White Towelettes
- 1 60 cc Syringe w/attached tubing
- Lubricating Jelly
- Wax
- ½ oz. Liquid Lubricant
- 2 Right Leg Skins
- Pint Bottle with Red Coloring

GENERAL INSTRUCTIONS FOR USE

A. Attaching the Introsseous Infusion Leg

1. Place the Infant ***CRiSis***™ manikin on a flat surface, such as a tabletop.
2. Unhook the body skin at the three points along the lower torso.
3. Roll the skin back over the chest.
4. Lift up on the inner compression foam just enough to get in and snap out the standard right leg. When this is done, simply snap the intraosseous infusion leg into place.
5. Replace the compression foam and skin.

B. Preparing the Synthetic Blood

1. Combine the red coloring, 1 full tube of lubricating jelly, and 1¼ cups of tap water in the pint bottle provided.
2. Shake it vigorously for 30 seconds until the contents are mixed completely.
3. The syringe is provided with the tubing already attached. Fill the syringe by placing the tubing end into the blood mixture and drawing back on the plunger until the syringe is full. *(See figure 1.)*

Figure 1


Figure 2


Figure 3


Figure 4

C. Installing the Leg Skin and Bone Piece

1. Slightly lubricate the inside of the leg skin with the liquid lubricant and slide the leg skin over the foot into position. *(See figure 2.)*
2. Connect the end of the tubing on the syringe to the bone piece.
3. Apply liquid lubricant to the entire bone, including the two locking grooves, and slide it into position in the leg. *(See figures 3 & 4.)* Lay towels under the leg to absorb any overflow of "blood."

D. Changing the Bone Piece

1. Make your first needle insertion 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.
2. When you observe "blood" flowing up through the needle, the bone is completely charged.
3. 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.
4. To reduce the pressure being placed on the bone, pull the plunger on the syringe back once verification of the placement has been made. This will decrease the amount of "blood" that may leak from the bone.

E. Maximizing Bone Use

1. The bones have been designed so all four sides can be punctured. Carefully remove the bone from the leg and wipe it clean.
2. Remove a small piece of the wax provided and work it with your fingers until soft.
3. 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.

Figure 5

4. Finish by applying a thin film of Nasco lubricant over the entire bone.
5. Turn the bone 90° and reinsert into the leg. 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 Leg 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.

CLEAN UP PROCEDURES

1. Remove and discard any bones that have been charged with the blood mixture.
2. Remove the 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 it to dry.
5. The leg should be removed from the body if electronics are present.

SUPPLIES/REPLACEMENT PARTS FOR THE INTRAOSSEOUS INFUSION LEG

LF01109U Bone Replacement Kit
LF01111U Simulated Blood Mixture
LF03624U Leg Skin Replacement Kit (4 ea.)
LF03625U Intraosseous Leg Replacement Skin (Pkg. of 4) and Bones (Pkg. of 10)

Other Available Life/form Simulators

LF01193U	Special Needs Baby
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
LF03709U	Infant ***CRiSis***™ Manikin
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

LF03709U

LF03632U

LF03623U

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