LAPAROSCOPIC FUNDOPLICATION NISSEN MODEL

1 Model/Resident

SUPPLIES NEEDED:
MODEL:
1-6”X 1.75” X 0.25” Industrial Styrofoam (can be purchased in large sheets for <$4 at Home Improvement stores)*
1-6”x1.75” Piece of Felt
1-1” Penrose cut down to 5” long
1-Chest tube container, cut to 5” long
1-3.5” x 1.75” In-Foam Stabilizer Fabric (round off edges)
1-2” strip Velcro
1-Skin Stapler

INSTRUMENTS/EQUIPMENT:
1-Endoscissors
2-Lap needle drivers
Lap skills trainer box and monitor

SUTURE:
2-0 Silk

INSTRUCTIONS TO BUILD:
1. Gather supplies
2. *Cut items to specified lengths
3. Use skin stapler to tack felt to foam to create felt base
4. Center Penrose in the middle of the felt base
5. With skin stapler, reach into Penrose and place a staple through the Penrose into the felt base (see photo #3)
6. Place fabric next to staple, lay Penrose over fabric and place a staple in the Penrose at the very edge of fabric so Penrose is securely anchored to felt base (see photo #4-6)
7. Fabric should fit snugly between the Penrose and felt base with little movement
8. Place chest tube container inside Penrose (simulates ‘Bougie’)
9. Put strip of Velcro on bottom of felt base
10. Affix to Velcro inside Lap Skills Trainer

CAN BE USED FOR:
ACS/APDS Surgical Skills Curriculum for Residents-Phase 2 Module 8: Laparoscopic Nissen Fundoplication

*Size/length note: Measurements are not firm and can be adjusted if desired. Felt should cover the top of foam at a minimum. Foam should not be thicker than ¼”. Chest tube container and Penrose should be cut to the same length or with the CT container slightly shorter.