ARTERIAL ANASTOMOSIS MODEL

1 Model/2 Residents

SUPPLIES NEEDED:
MODEL:
1-1/4” Penrose drain
1-1” Penrose drain
1-Small blue plastic surgical tray from OR packs
2-Small office clips
1-Blue towel for base
4-Blue towels for draping
3-4 4”x4” tiles for weight
1-Skin Stapler
Orange or Red permanent marker (for contrast)

INSTRUMENTS:
1-Gerald or Debakey Forceps
1- Castro Needle Holder
1-Potts Scissors
1-Metzenbaum Scissors
2-Mosquitos w/Rubber Shods
1-#11 Blade
1-Knife Handle

SUTURE:
5-0 Prolene double-armed

INSTRUCTIONS TO BUILD:
1. Gather supplies
2. Place 3 or 4 tiles on blue tray to provide weight/keep tray from sliding
3. Lay towel across base of tray
4. Attach 1” Penrose to each long side of the tray with black clips
5. Color Penrose with permanent marker to provide contrast
6. Block drape and use skin stapler to create a window showing the Penrose drain
7. Place ¼” Penrose perpendicular to first Penrose (if desired, can use additional clip to clamp it to edge of tray)
8. When one resident has completed the anastomosis, cut ¼”Penrose just above suture line and move block drape over to expose new portion of 1” Penrose for the next resident

CAN BE USED FOR:
ACS/APDS Surgical Skills Curriculum for Residents-Phase 1 Module 11: Arterial Anastomosis

Peter Bartline MD, Ruth Braga MSN, William Peche MD, Daniel Vargo MD. Click here for more Sim Lab recipes online.