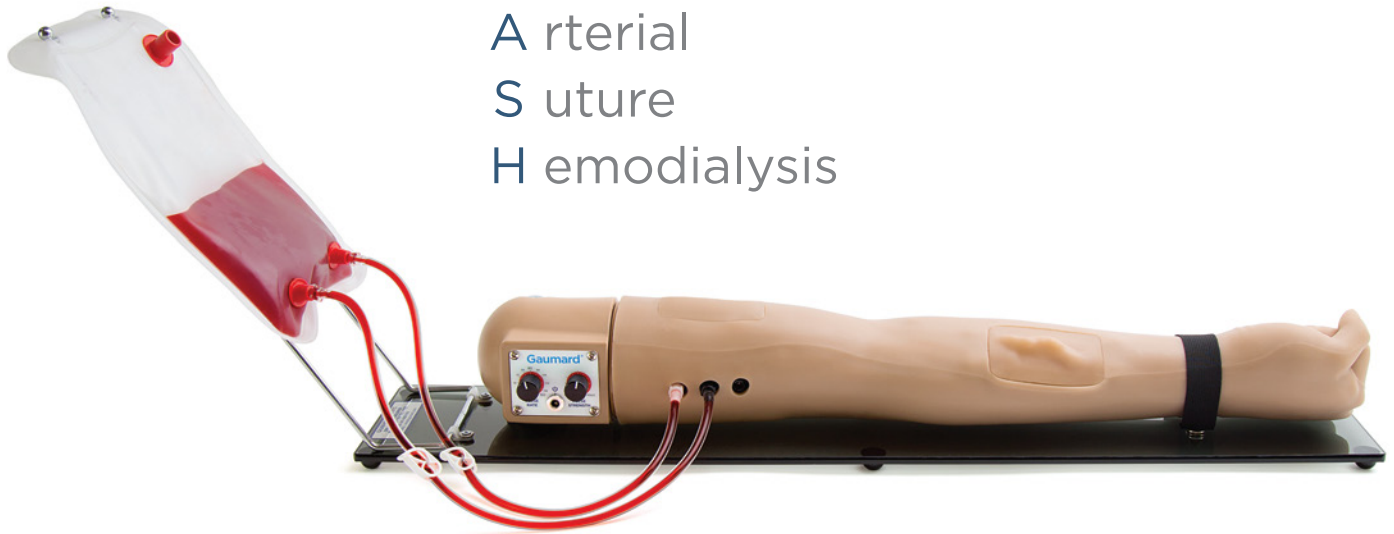




S ubcutaneous
Intra M uscular
A rterial
S uture
H emodialysis



Gaumard's S.M.A.S.H. Advanced Patient Training arm was first introduced in 1986. The latest improvement to this "world class" standard offers realism in a sleek design. A micropump mounted within the simulator's shoulder delivers automatically generated arterial pulses at the radial and brachial sites and controls arterial blood flow by allowing variable heart rate and pulse strength. Interchangeable arterial and venous inserts within the forearm allow creation of arteriovenous (AV) fistulas and placement of AV grafts, while a simulated healed fistula insert provides a platform on which hemodialysis exercises can be performed. An additional multi-layer insert in the bicep area can be used for incision and suture training exercises.



Arterial and venous blood sampling



IV exercises on dorsum of hand

PRODUCT HIGHLIGHTS

- **S**ubcutaneous injection sites on volar forearm and lateral upper arm
- Intra**M**uscular injection site on the upper arm
- **A**rterial system including the radial and brachial arteries
- **S**uture and incision sites on both upper arm and forearm
- **H**emodialysis site on the forearm

FEATURES

- Arterial and venous insert for IV and blood draw exercises, AV anastomosis, and AV graft placement. This multi-layer surgical insert includes the skin, subcutaneous tissue, muscle, radial artery, and radial vein
- AV fistula insert that simulates a healed fistula for hemodialysis exercises
- Multi-layer bicep insert that includes the skin, subcutaneous tissue, and muscle and allows incision and suturing exercises
- Durable skin that can be pierced in excess of 200 times with a 20 or 22 gauge needle
- Realistic tactile feedback for both surgical and arterial and venous stick exercises
- Adjustable heart rate and pulse strength simulating a heart rate from 10 to 150BPM
- Cephalic (antecubital), Basilic, Radial, and Ulnar veins as well as the radial and brachial arteries for infusion and blood draw
- Rotating arm allowing dorsal and volar access along the length of the arm
- Varying vessel palpability to simulate collapsed or bulging vessels
- Ease of assembly
- Latex-Free



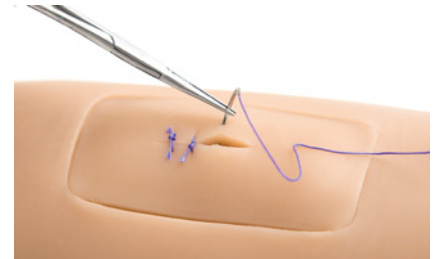
Subcutaneous injection sites



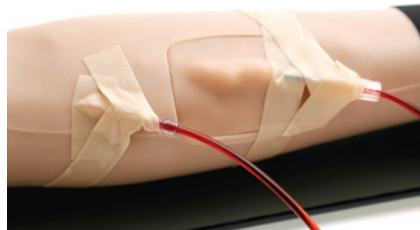
Intramuscular injection site



Arterial system providing palpable radial pulse



Suture and incision sites on the upper arm and forearm



Hemodialysis exercises on simulated healed fistula



Micropump-controlled arterial system provides variable pulse rate and pulse strength

ADVANCEMENTS

over the S402 model

- New proprietary materials replicate the skin, subcutaneous and muscle layers at all surgical sites
- Upgraded inserts, skins, and vessels for improved tactile feedback
- Quiet and compact micropump embedded within the shoulder generates variable heart rates and pulse strength, and improves the portability of the unit
- Easy to replace plug-and-play inserts allow quick change-out between procedures
- Latex-free vessels with improved access for hassle-free replacement

REPLACEMENT PARTS

Arterial and Venous Insert

S402.100.911

Fistula Insert

S402.100.912

Incision and Suture Insert

S402.100.913

Arm Skin

S402.100.813

Replacement Vein Set

S402.100.810

Vein Filling Kit

S402.100.985

Synthetic Blood Concentrate

S402.100.812

Talcum Powder

S402.100.948

Power Supply with Cord

S402.100.968

Shoulder Base Pad

S402.100.906

IV Bag

S402.100.811