

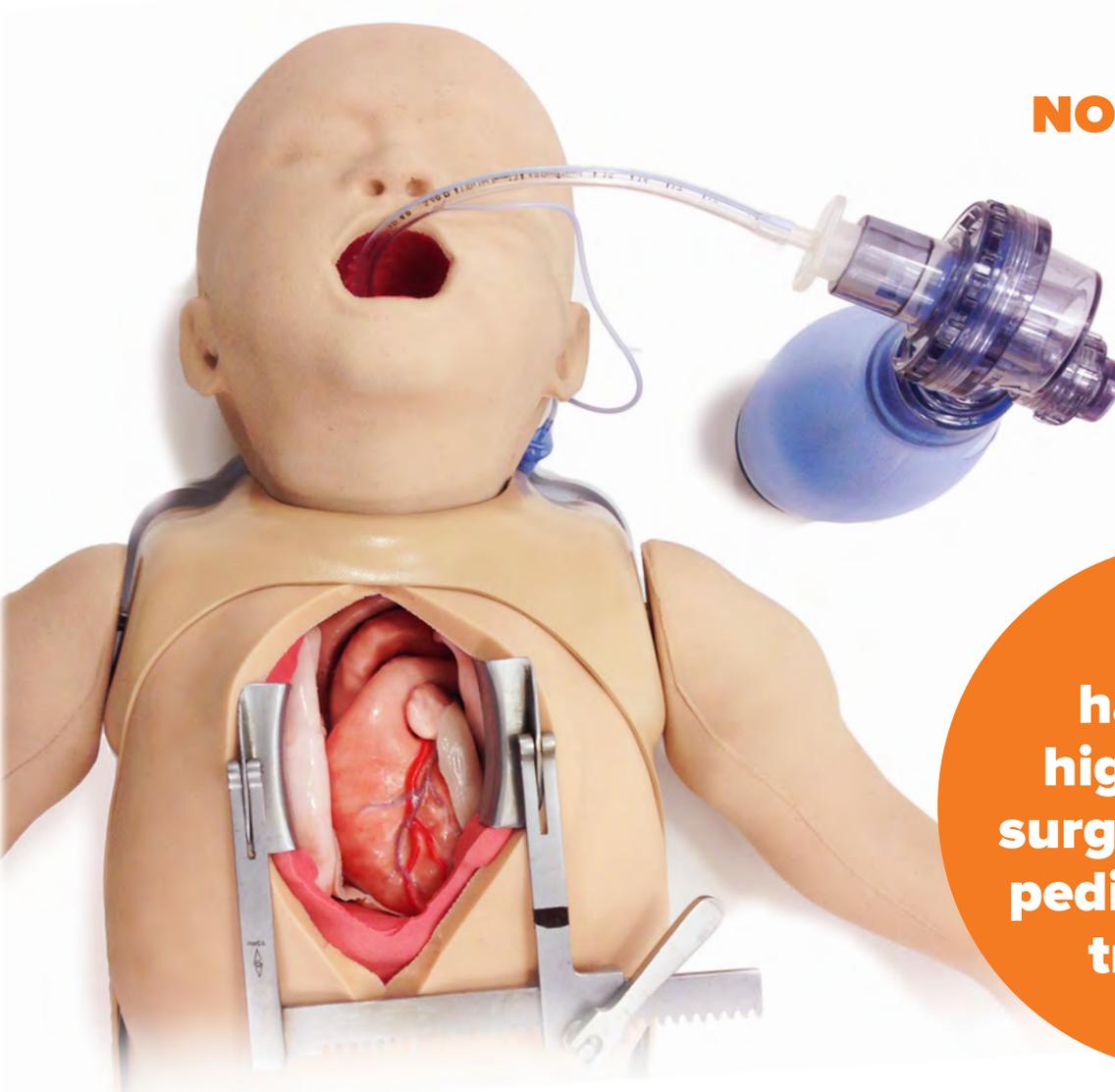
# **Surgical Sam The World's First Infant Surgical Team Trainer**

**NOW AVAILABLE**

**CARDIOTHORACIC  
MODULE (#4095)**

**AND NEW!**

**GENERAL SURGERY  
MODULE (#4096)**



**Bring  
hands-on  
high fidelity  
surgery to your  
pediatric team  
training.**

**Surgical Sam is the first beating heart,  
breathing and bleeding, immersive team trainer for pediatric surgery.**

Engage your surgical service in a wide range of Cardiothoracic or General Surgery procedures and provide a high fidelity clinical experience to your entire pediatric OR team with Surgical Sam. Incisable, suturable, and replaceable organs of our renowned mimetic tissue accurately represent pediatric anatomy, allowing team training with surgical realism to be performed "skin to skin."

**Co-developed by The Chamberlain Group and Boston Children's Hospital Simulator Program (SIMPeds) as the centerpiece of their team training initiatives in pediatric surgery, Surgical Sam is a modular system representing a 14-month-old infant. The base unit, with intubatable airway, incision- and suture-compatible skin, and bilateral radial pulses, accepts specialty modules for multi-discipline team training scenarios.**

***Sam is a significant advance in making pediatric simulation as realistic as possible and adds a new dimension to clinical and team training in some of our most high-stakes areas — the operating rooms.***

— Peter Weinstock, MD, PhD, Director, Boston Children's Hospital Simulator Program SIMPeds



## Surgical Sam for CT Training

### INCLUDES

- **Surgical Sam Chassis** (#4094)
- **Cardiothoracic Module** (#4095)
- **Beating Heart Controller with Pulse** (#1463)
- **Shipping Case** (#4100)
- **Quick Start Curriculum for CT** (#32004) developed by Boston Children's Hospital

### OPTIONS & REPLACEMENT PARTS

Surgical Sam's **Incisable Skin** (#4098) and the cannulatable components of Sam's Cardiothoracic Module, the **Right Atrium** (#4120), and **Aorta** (#4119), are easily replaced after use. Optional equipment includes **Air Compressor** (#1472) or (#1204), **Air Pressure Regulator** (#267), **Variable Rate Controller** (#205), and **Blood Circuit Kits** (#261-266).

## Modules

### AVAILABLE NOW

**Cardiothoracic Module** (#4095) features pediatric beating heart with replaceable, suturable right atrium and aorta for cannulation, a suturable IVC bleed site, pericardium, recloseable sternum, and ventilation-compatible lungs. Module supports hemodynamic flow to the thoracic cavity; bleed sites are externally controlled for simulating hemorrhagic events.

### AVAILABLE NOW

**General Surgery Module** (#4096) includes ventilation-compatible lungs, replaceable stomach, liver with a capsule bleed and simulated electrocautery effect, suturable replaceable bowel, and suturable replaceable colon for perforation and other emergent procedures. Module supports hemodynamic flow to the abdominal cavity; bleed sites are externally controlled for simulating hemorrhagic events.



Bringing Practice to the Practice of Medicine®



**Boston  
Children's  
Hospital**

Until every child is well™

Simulator  
Program

SIMpeds.org

# Surgical Sam

## COURSE QUICK START GUIDE™

### CARDIOTHORACIC

Curricular **Turn Key Solution**— All the information you need to put Surgical Sam to work right away for your Cardiothoracic Teams

#### PRECOURSE SET UP

- **Stage-production** approach to preparing the SIMulation Space
- Full illustrated instructions including: where to place Surgical Sam for optimal use
- OR Set up complete with **Blueprints** of tubes, wires and all connections

#### THE COURSE

Pre-course **checklists**:

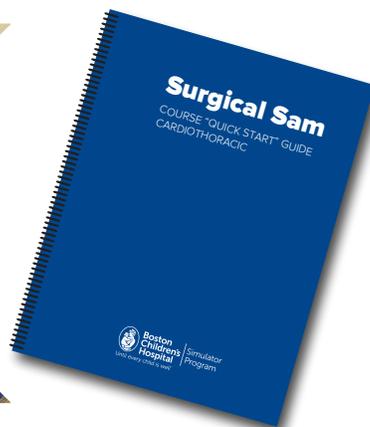
- ✓ Standard CT Surgery Team Training Syllabus
- ✓ Standard SIM-based CT Team Training Didactic Materials
- ✓ Structured and Tested Goal Directed Scenarios

Patient Scenarios with detailed stages include:

- ASD
- Oxygenator Failure
- Take back to the Operating Room
- Additional Templates
- Scenario specific debriefing guide

#### BEHIND THE SCENES

Unique FAQ with step by step instructions on how to bring Surgical Sam “to life” and get the most out of each scenario.





*Bringing Practice to the  
Practice of Medicine®*

**thechamberlaingroup**

**THE CHAMBERLAIN GROUP** produces anatomically accurate medical models that capture the consistency and response of living tissue, providing the best alternative to animals and cadavers for training in new devices and procedures.

In close collaboration with medical device companies and teaching hospitals in over 50 countries, we meet procedural training objectives with clean, smart solutions that illuminate, educate, and differentiate.

Our custom anatomy is recognized worldwide for its superior visual and experiential realism. With applications for cardiothoracic, vascular, GI, reproductive, pulmonary, orthopedic, pediatric and general surgery training, our clients include teaching hospitals, regional hospitals, medical device manufacturers, pharmaceutical companies, biotech, and researchers in over 50 countries. As pioneers in the creation of mimetic tissue since 1999, we have developed and offer over 500 products to our international clientele.

**For more information:**

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