

**NCH**

**JUDITH & MARVIN HERB FAMILY**  
*Simulation Center*

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## **JUDITH AND MARVIN HERB FAMILY SIMULATION CENTER**

**Equipment Catalog**

**NCH**



## ROOMS

- **3 full size classrooms (C1, C2, C3) each classroom will hold 15-20 comfortably**
- **1 executive conference room that will hold 14 people**
- **5 Simulation Rooms**
  - **S1 – ICU /Emergency Room**
  - **S2 - Med. Surge or any inpatient unit**
  - **S3 - Med. Surge or any inpatient unit**
  - **S4 - Labor & Delivery/NICU room**
  - **S5 - Outpatient Office Clinic Room**
- **Steve and Julie Vanderboom Cardiac Operating Room**
- **Procedural Skills Lab (PSL) or Operating Room**
- **Immersive Interactive Rooms**
  - **Customizable Scenarios and prebuilt scenarios available upon request. If requesting a customizable scenario, please allow 4 weeks notice to simulation staff.**

## TABLE OF CONTENTS

What is simulation? 4-5

Task Trainers 6-11

High Fidelity Trainers 12

Equipment 13-14

High Fidelity Mannikins 15-17

Rooms 18

## WHAT SIMULATION IS...



### The science:

Simulation education is a bridge between classroom learning and real-life clinical experience. Novices – and patients - may learn how to do injections by practicing on an orange with a real needle and syringe. Much more complex simulation exercises – similar to aviation curricula that provided the basis for healthcare – may rely on computerized mannequins that perform dozens of human functions realistically in a healthcare setting such as an operating room or critical care unit that is indistinguishable from the real thing.

### The goal:

Learning in healthcare is too frequently in an apprenticeship model. In many disciplines, as opportunities to learn and practice come along, it is hoped that learners encounter enough situations to insure that they become competent. This is ultimately a haphazard way to learn, and puts learners and patients at a disadvantage. Simulation offers scheduled, valuable learning experiences that are difficult to obtain in real life.

**The freedom to make mistakes and to learn from them:** Working in a simulated environment allows learners to make mistakes without the need for intervention by experts to stop patient harm. By seeing the outcome of their mistakes, learners gain powerful insight into the consequences of their actions and the need to “get it right”.

**The learning experience can be customized:** Simulation can accommodate a range of learners from novices to experts.



the Bleed

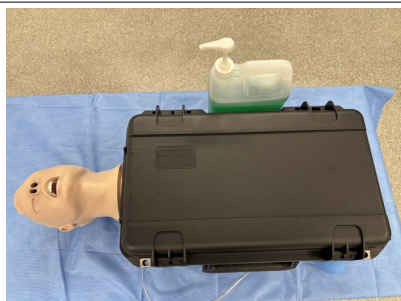
Stop



**Magnus**



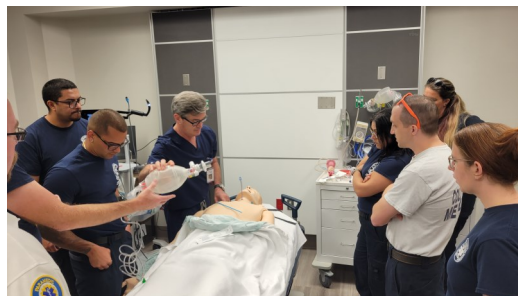
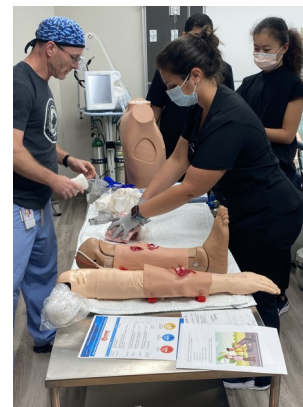
**Nursing Anne**



**Salad Trainer**



**ASL Man**



## Task Trainers

Page 6



**Lumbar Puncture Task Trainer**



**Needle Decompression Trainer**



**Chest tube Trainer**



**Adult IV Arm Trainers**

Page 21

## PT Equipment



**Baby**

**Sim**

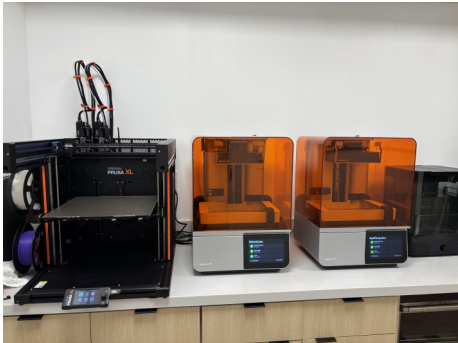


**Pericardiocentesis**



**Trach Trainer**





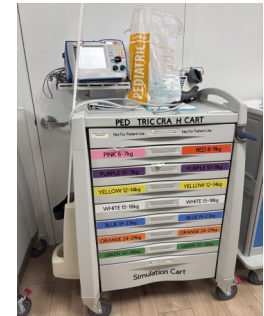
3D Printer



Clean Blood Mat



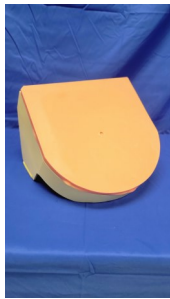
NK Ventilator



Pediatric Crash Cart



Knee Injection Trainer



Paracentesis Trainer



Difficult Airway Trainer



Intubation Trainer Head



## Task Trainers

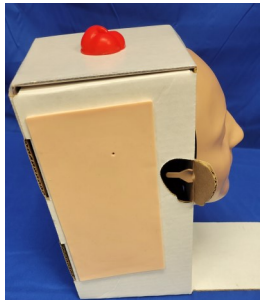
Page 8



**Modular Skills Trainer (Wound)**



**Modular Skills Trainer (NG Tube, Nasal Specimen, Nasal Cannula Insertion Trainer)**



**Modular Skills Trainer (Skin)**



**Modular Skills Trainer (Sutures)**

Page 19



**Thoracentesis/Task Trainers**



**Respisim**



**Giraffe Warmer**

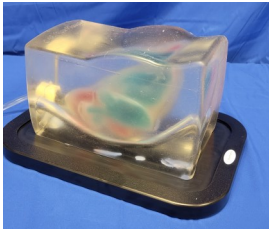


**Giraffe Warmer  
Older Version**

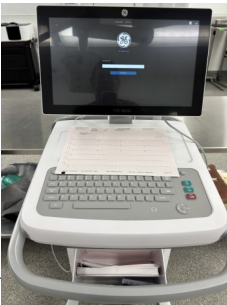
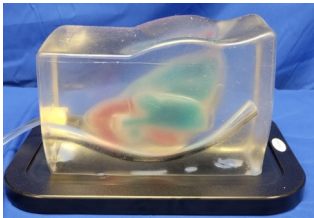




Bladder Scanner/High Fidelity Trainers



Ultrasound Heart



ECG Machine/High Fidelity Trainer



Ultrasound Man



Chocking Charlie/Task Trainers



Zoey (Pelvic Trainer)



Nursing Task Trainer



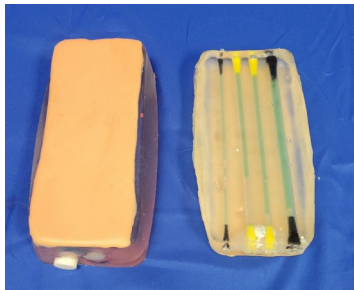
I/O Trainer

## Task Trainers

Page 10



**Ballistics Gel Wounds**



**Ballistics Gel w/  
Vessels  
(Ultrasoundable)**



**Central Line  
Trainer**



**Central Line Trainer**

## Mannikins

Page 17



**Victoria  
(High Fidelity Birthing Mannikin)**



**Bob (High Fidelity Mannikin)**



**Alberto (High Fidelity Mannikin)**



**Mannikin Mask**

## Mannikins



**Premie Blue (Mid Fidelity Premie)**



**Paul (High Fidelity Premie)**

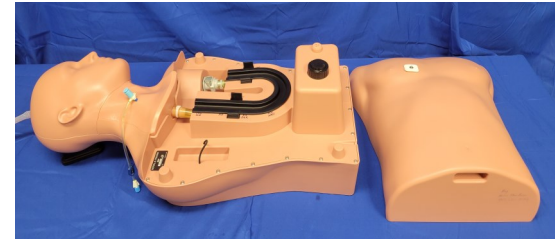


**Tory (High Fidelity Newborn)**

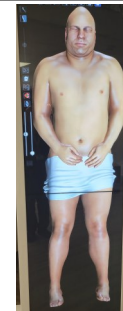


**Gabe (High Fidelity 7 year old)**

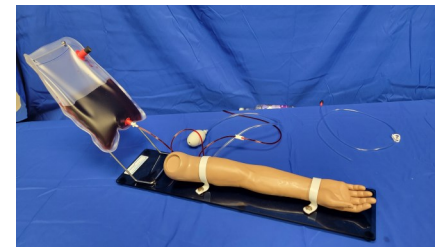
## Task Trainers



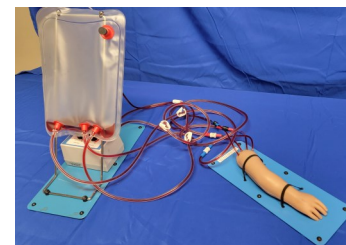
**Pacerman**  
Temporary  
Transvenous  
Pacing and PA  
Catheters



**Anatomage Digital Cadaver Table**



**Pediatric IV Arm**



**Newborn IV Arm**

## High Fidelity Task Trainers

Page 12



**Simbionix Bronch/Colonoscopy Trainer**



**Sonosite Ultrasound (2)**



**Intelligent Ultrasound**



**Glide Scope (2)**

## Mannikins

Page 15



**Low Fidelity 3 Year Old**



**Low Fidelity 6 Year Old**



**Low Fidelity Premie**



**Mid Fidelity Newborn**

## Equipment



**Manual Blood Pressure Cuff**

## Equipment



**Care-in-Motion Cameras**



**Bipap Machine**



**Crash Cart (2)**



**Heated High Flow**