

Webinar:

Master Sterile Techniques: A Hands-On Demo of the Sterile Techniques Simulator



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We partner with educators, administrators and industry leaders to ensure our offerings meet their needs and make lessons truly meaningful.

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Presented by

Jamey McIntosh

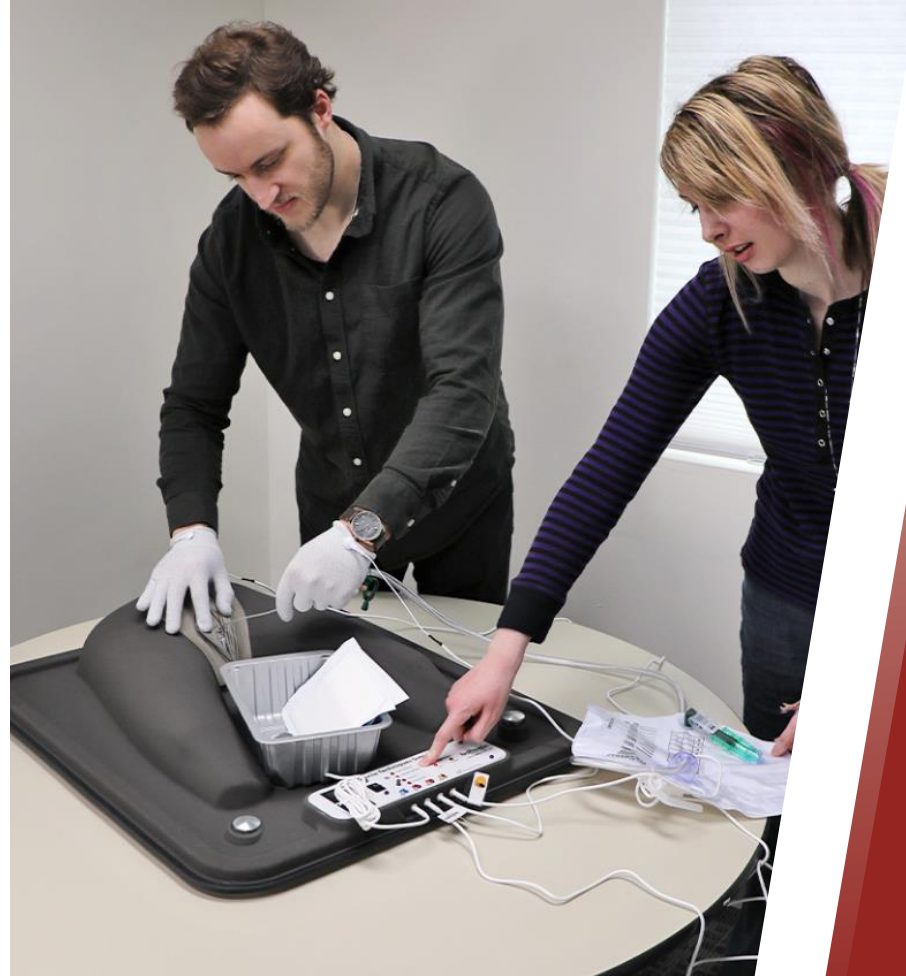
Education Programs Manager

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Attendees will:

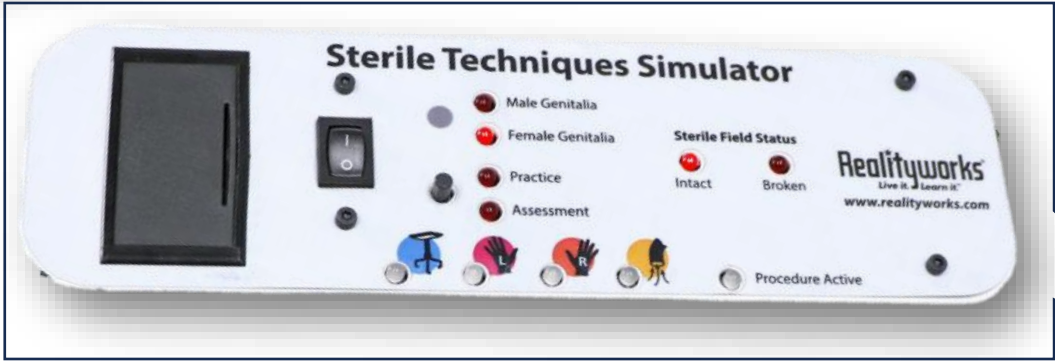
- Learn about the features of Sterile Techniques Simulator
- Get a Live Demo of the product highlighting the main features:
 - Tracheostomy suctioning
 - Central Line dressing
 - Catheterization
- How it fits with teaching standards within Health Science
- See the curriculum that helps to supplement the product for student learning





It's a large game of OPERATION!





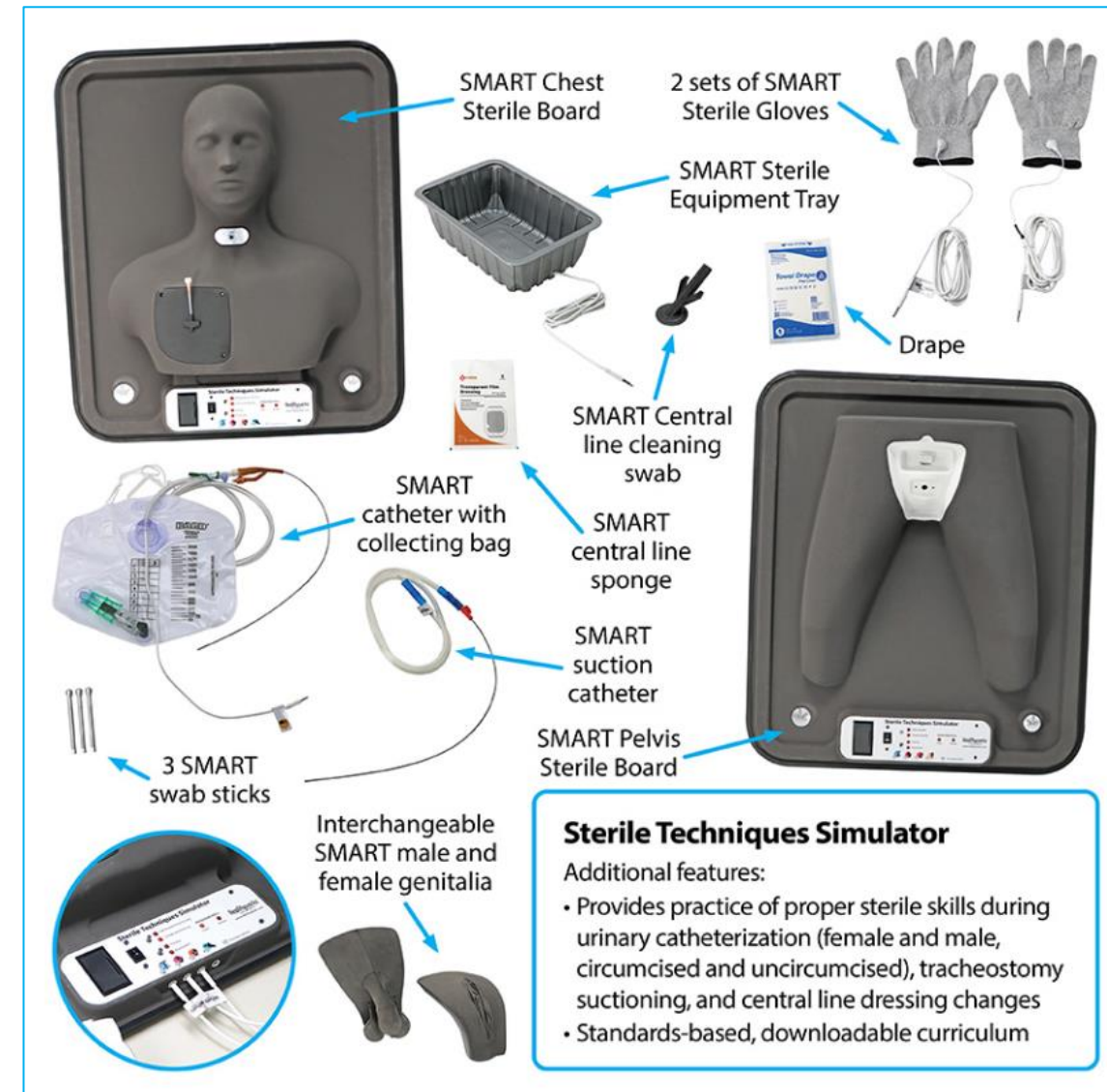
Product Includes:

Chest Sterile Board:

- Set of SMART Sterile Gloves
- SMART Sterile Equipment Tray
- SMART Central line cleaning swab
- Central line sponge & drape
- SMART Suction Catheter
- 2 AA batteries

Pelvis Sterile Board:

- Set of SMART Sterile Gloves
- 3 SMART Swab Sticks
- Interchangeable SMART male and female genitalia
- SMART catheter with collecting bag
- 2 AA batteries



Important Features

- This product allows for three of the most common sterile procedures to be practiced correctly and performed with confidence.
 - *Tracheostomy Suctioning*
 - *Central Line Cleaning*
 - *Catheterization*
- Every time you practice, you get valuable feedback on proper protocol. It allows for independent learning and engagement to keep the sterile field intact.
- There are two different boards for skill practice, allowing for practice and assessment modes to help you gain interpersonal and professional skills.



Performing a central line is not that hard of a procedure but it is a HIGH RISK procedure, students may be okay with learning it, but the practice of it is so important!

- College Nursing Instructor

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Demonstration of Sterile Skills Training





Engagement is our Standard!



Focusing on Standards

The National Consortium for Health Science Education (NCHSE) provides standards for sterile techniques in nursing classes to ensure students are well-prepared for healthcare careers. These standards cover various aspects of sterile techniques, including:

- 1. Hand Hygiene:** Proper handwashing techniques to prevent the spread of infections.
- 2. Aseptic Technique:** Procedures to maintain a sterile environment and prevent contamination.
- 3. Sterilization Methods:** Understanding different methods of sterilization, such as autoclaving, chemical sterilization, and dry heat.
- 4. Use of Personal Protective Equipment (PPE):** Proper use of gloves, gowns, masks, and other protective gear.
- 5. Sterile Field Maintenance:** Techniques to establish and maintain a sterile field during procedures.
- 6. Handling Sterile Instruments:** Proper handling and storage of sterile instruments to prevent contamination.
- 7. Waste Disposal:** Safe disposal of biohazardous waste and sharps.

NCHSE National Health Science Standards

- **Foundation Standard 7: Safety Practices:** *Identify existing and potential hazards to clients, co-workers, and self. Employ safe work practices and follow health and safety policies and procedures to prevent injury and illness.*
 - **7.1.2 Differentiate methods of controlling the spread and growth of pathogens.**
 - *A: Asepsis – Sterile Technique & Sterilization*
 - *B: Standards Precautions – Environmental cleaning, gloving, handwashing, PPE*



Tracheostomy Suctioning

Sterile Techniques Curriculum

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Urinary Catheterization

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Tracheostomy Suctioning Supplies

- Tracheostomy suctioning kit:
 - Sterile gloves
 - Sterile field
 - Container for sterile water/saline
 - Suction catheter
- What to have at the bedside:
 - Suction with tubing
 - Suction regulator set at less than 150 mm Hg pressure
 - Oxygen supply and/or equipment to preoxygenate before suctioning



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Urinary Catheterization Kit Contents

- What is in the kit?
 - Sterile gloves
 - Sterile drape
 - Fenestrated drape (has a hole in the middle)
 - Cotton swabs, packet of cleansing solution, and plastic forceps or packet of 3 cleansing swabs
 - Syringe with 10 milliliters of sterile water/saline
 - Lubricant
 - Foley catheter
 - Drainage bag



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Four Lessons

1. Sterile Techniques Basics
2. Central Line Dressing Changes
3. Tracheostomy Suctioning
4. Urinary Catheterization



Central Line Dressing Change

Sterile Techniques Curriculum

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Central Line Dressing Kit

- What is in the kit?
 - Sterile gloves
 - Cleansing swabs
 - Transparent dressing
 - Biopatch
 - Gauze
 - Tape
 - Alcohol swabs
- You may not need to use every item in the kit



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Lesson Timing

- 1 hour per lesson
- 4 hours total



Let's recap what we have learned...





Questions?





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