

# Virtual Resus Room

A FOAM ED Virtual Simulation Education Project

## Instructions for Participants: How to use the Virtual Resus Room

### How will Virtual Sim work?

Everyone will open up the “Virtual Resus Room” (a shared Google Slides document). Participants will real-time interact with this document to apply monitors, select and “use” equipment, and chart pertinent information. A Zoom meeting will be used to provide audio, through which the Facilitators will provide information about the case and participants will use their traditional Sim closed-loop communication techniques. To see a demonstration video, please visit: <https://virtualresusroom.com/demo/>.

### For each case, participants will need:

1. Laptop with Internet Connection (can also use tablet)
2. Zoom Session Link (for audio)
3. Google Slides Link (“Virtual Resus Room”):

### Getting set up:

1. Open Zoom Link - audio on, put zoom on Gallery view and then resize to occupy a small portion of screen.
2. Open shared Google Slides link.
3. Improve “view”: Go to Google Slides Menu - View: View Full Screen. Hide: speaker notes, ruler, guides
4. You will see:
  - a. Page 1: Virtual Resus Room. Where all patient actions occur, vital signs shown, and notes made.
  - b. Page 2: Medication Tray.
  - c. Page 3: Airway Tray.
  - d. Page 4+: Multimedia and Investigations that will be displayed as the case progresses.

### How do you use the “Virtual Resus Room”?

- **Team Roles & Communication**
  - Suggested Team Roles: Lead, Meds & Monitors, Charter, Airway
  - When you have completed a task (ex: medication, monitor, airway maneuver) - close the loop!
  - If you want to know what the patient looks like - ask out loud! Facilitators will answer. Depending on the case - they may direct you to a slide to show associated multimedia.
- **Charting:**
  - Charter can use the Treatment Record text box to include information about history, orders, etc.
- **Monitors:**
  - Click and drag monitors onto the patient to get vitals. Watch for VS changes throughout the case!
- **Medications:**
  - Select 7 Copy medication on “Medication Tray” (page 2). Use “Other” syringe if drug is not in tray.
  - Paste medication on page 1. Drag into “Medications Given Box” to administer.
  - Charter can type exact dose and time administered into treatment record text box
- **Equipment:**
  - Click and drag equipment over the patient’s body to complete the task (ex: glucometer, Foley, NG)
  - Airway equipment located in “Airway Tray” on page 3
  - Verbalize when task has been completed

### What will the facilitators do?

- Introduce case with prompt
- Answer your questions about history and physical exam findings
- Update vitals in response to your actions
- “Reveal” investigations on subsequent slides as prompted by your orders.

**Computer Shortcuts:** *Mac:* Copy: Command-C. Paste: Command-V. *PC:* Copy: Control-C. Paste: Control-V.

If you want to select multiple objects: press and hold Shift, then click over each object individually.

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## Instructions for Participants: What to expect from Simulation

The principles of simulation run using the Virtual Resus Room are the same as in-person simulation. If you are new to simulation, you can review the following information so you know what to expect.

### Principles of Sim

Sim training is a way to gain experience working as a team while rehearsing the management of sick patients. It will allow you to practice making decisions when you might be experiencing performance anxiety and perhaps feeling outside of your comfort zone. It is a safe place to do this! Sim is a low-stakes space where you can put yourself out there, make mistakes and learn from them. Your facilitators are here to support you and guide you.

### Sim Terminology

- **Crisis Resource Management Skills:** the non-technical skills required for effective teamwork in a crisis situation. Some examples of CRM skills are:
- **Closed loop communication:** Team Lead asks for piece of information or for a task to be completed. The person who will complete the task acknowledges the request, and confirms when the task is completed.
  - Ex: Lead: "Teresa - could you obtain IV access?". Teresa: "Yes I will.... IV in place".
- **Situational Awareness:** The ability to maintain focus on the "big picture" - understanding the environment, the situation, and what could happen next. Requires good communication and resisting the urge to give all your attention to a specific task.
  - Ex: During a trauma - the team lead isn't focused on how to put in an IO, but instead is working through their ABCs assessment and thinking about what life threatening injuries could be present.
- Learn more about CRM skills here: <https://litfl.com/crisis-resource-management-crm/>

### Components of Sim Sessions:

#### 1) Prebrief

- The prebrief is a general introduction to the case - what to expect and how to work/interact with the sim resources at hand. In this context - this will include how to use the Virtual Resus Room online interface.

#### 2) Running the Case

##### Team Roles

- **Team Lead:** Coordinates the team - delegates tasks, follows up with tasks, and guides the group through case. The lead should be "hands off", focusing on the big picture instead of any specific tasks. The team lead does not need to know everything or make every decision - can discuss with all team members and delegate tasks like looking up doses, etc.
- **Airway:** Assess AB, administers oxygen, does airway maneuvers, intubates, etc.
- **Meds + Monitors + Equipment:** The tasks and roles traditionally done by nurses in the ED.
- **Charter:** Documents pertinent clinical information and times when necessary (ex: during CPR).

First Steps. If you are new to Sim and feeling nervous - you can begin all Sim's with this kind of script:

- Team Lead: "Can \_\_\_ please obtain 2 IVs and place monitors on the patient to attain the vital signs?"
- How to ask about airway: "Is the airway patent? Is the patient talking? Any swelling/obstruction visible?"
- How to ask about breathing: "Is there any work of breathing? Is there symmetrical chest rise?"
- How to ask about circulation: "What is the patient's mental status? What is their cap refill? colour?"

#### 3) Debrief

- The debrief is the group discussion that occurs after the case is completed
- There are 2 main areas of discussion: Crisis Resource Management Skills + Medical Content
- Your facilitator will guide your discussion with questions like: How are you feeling? Can you summarize the case? What went well during the case? What could have gone better? What questions do you have?