

# MiniSUN Slides



**Laerdal**  
helping save lives



# Thank You!

To the healthcare workers of the world who are on the frontline of fighting COVID 19. We see you and we thank you.

# Why Virtual Training?

Convenience in Scheduling

Practical Classroom Setting

On-Demand Training

Efficient

You never know when you might be ordered  
to 'shelter in place'





# Virtual Instructor-Led Training

## Practical and Efficient Training

Virtual classrooms give you the benefits of traditional classroom training (including live instruction, feedback from the instructor, and a set schedule for attendance) in the convenience of your own environment.

Laerdal offers Virtual Classroom Training in two formats. You may participate as an individual from your organization along with others from different organizations, or you may participate as a group from your organization.

### Individual Virtual Classroom Training

#### Features:

- Live instructor-led training
- Course material distribution
- Interactivity with live polling and feedback from the instructor
- Course completion certificate

#### Benefits:

- Promotes collaboration and learning from others experiences and questions
- Self-scheduling for individual just-in-time training

### Group Virtual Classroom Training

#### Features:

- Live instructor-led training
- Course material distribution
- Real-time questions and answers
- Live chat
- Recorded session link
- Course completion certificate

#### Benefits:

- Ability to adjust the content and speed of the session to your group's needs
- Personalized interaction with the instructor

## Available Courses:

- Simulator Orientation
- Navigating SimPad
- Navigating LLEAP
- Simulation Strategies
- Creating Themes



# Multi Session Courses



- Getting Started with your Manikin
- Teaching with LLEAP
- Teaching with SimPad
- Teaching with Scenarios
- Refresher Course
- Scenario Programming
- Custom



## COVID-19 Realities

- Instructors need the flexibility to consider converting currently purchased 'onsite training' to virtual...
- Onsite training converts to 8 hours of virtual training
- Can be organized according to your schedule
- Contact your Client Executive or Account Executive

## Welcome to Laerdal Montana...

- We're ready to serve you
- Fully functional remote simulator lab





## A fully functional virtual teaching environment

- Two camera views with SimCapture and a LLEAP station
- Includes a luxurious dog bed







# Coming to a Laptop Near You!

Creating Themes for LLEAP

SimDesigner (Creating Scenarios for LLEAP/SimPad)

SimCapture Administrative Overview/Features & Functions

Customized Virtual Instruction



# Helping Prepare Your Organization for Coronavirus (COVID-19)

Peer-Reviewed Case Study





# Disclaimer

*The tools provided in this webinar are based on a peer-reviewed simulation published by EM Sim Cases and provides information relating to the COVID-19 outbreak. It is designed to assess and improve team preparedness for the safe and effective care of a critically ill coronavirus patient from triage through intubation.*

*These tools are offered as a training resource only and are not meant to be a substitute for advice provided by other physicians or healthcare professionals. Individuals should not use the information contained herein for diagnosing a health or fitness problem or disease. Individuals should always follow their internal policies, procedures and protocols.*

# Case Description

Suspected Coronavirus (COVID-19) with Respiratory Failure

This case was designed during the January 2020 COVID-19 outbreak in order to assess and improve team preparedness for safely and effectively caring for a critically ill coronavirus patient from triage to intubation.

# Case Objectives

## Educational Goal:

Practice personal and team safety while assessing and providing care to a patient with a potentially airborne respiratory illness requiring full personal protective equipment.

## Medical and CRM Objectives:

- Effective team communication from triage to intubation of a high-risk coronavirus patient
- Mitigating exposure of healthcare professionals, patients, by appropriately isolating high-risk patients in negative pressure room
- Mitigating personal risks by utilizing the appropriate donning/doffing of PPE
- Conducting effective high acuity clinical care (i.e., intubation) in space and personnel limited negative pressure room effectively



# Case Flow

## Initial Patient Information (Standardized Patient)

- 35-year-old woman became febrile last night with cold-like symptoms and woke up acutely short of breath with productive cough, rhinorrhea, and a subjective fever.
- Patient screens positive for potential coronavirus exposure due to fever, respiratory symptoms and a high-risk travel history.
- Patient has no significant past medical history and takes Acetaminophen/Ibuprofen as needed.

## Extra Patient Information (Transition to Mannequin)

- Once travel history is given, the mannequin replaces the Standardize Patient

# Patient Presentation & Progression

## Triage (SP) Vital Signs and Presentation

- Sinus Tachycardia (HR = 140), BP = 100/60, RR = 22, O<sub>2</sub>SAT = 90%, Temp = 39.2, GCS = 15

## *Initial Assessment*

- RR = 28, O<sub>2</sub>SAT% = 84%

## Intubation

- RR = 30, O<sub>2</sub>SAT% = 86%

## Disposition

- RR = 14, O<sub>2</sub>SAT% = 92%, 100% when ventilated at 100% FiO<sub>2</sub>

## Exposure Management

- Triage nurse/other to ask team what they should do now that they are exposed to potential case

# LLEAP Demo



# Simulation Resources

## ECG, X-Ray and Ultrasound:

- Chest X-Ray <https://radiopaedia.org/cases/35985>
- ECG [https://en.ecgpedia.org/wiki/Sinus Tachycardia](https://en.ecgpedia.org/wiki/Sinus_Tachycardia)
- Ultrasound <http://www.thepocusatlas.com/pulmonary>

## Props:

- Aerosolized Sneezer  
<https://drive.google.com/file/d/1sZsvL9mdML8Z0hv09p8zAaC0JizeZm9F/view?usp=sharing>

## References:

- <https://www.who.int/emergencies/diseases/novel-coronavirus-2019>
- <https://www.cdc.gov/coronavirus/index.html>
- <https://ipac-canada.org/coronavirus-resources.php>

## Facilitator Cheat Sheet & Debriefing Tips

# End of Kelly's Slides/Presentation



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# Available 2 Hour Virtual Instructor Lead Courses

## Navigating LLEAP

Developed as a beginner level course and geared towards any user who will be responsible for operating the simulator. This two-hour live instructor-led virtual training will teach how to navigate and control features of the LLEAP software.



## Navigating SimPad

Developed as a beginner level course and geared towards any user who will be responsible for operating the simulator. This two-hour live instructor-led virtual training will teach you how to navigate and control features of the SimPad software.



## Creating Themes for SimPad

Developed as an intermediate level course and geared towards any user who will be responsible for programming or editing themes. This two-hour live instructor-led virtual training will teach you why and how to create Themes for SimPad.



## Simulation Strategies

Developed as a beginner to an intermediate level course and geared towards any user who will be responsible for running simulations. This 90-minute live instructor-led virtual training will teach you how to design and develop a simulation.