RSIM **Acute Respiratory Distress Syndrome**

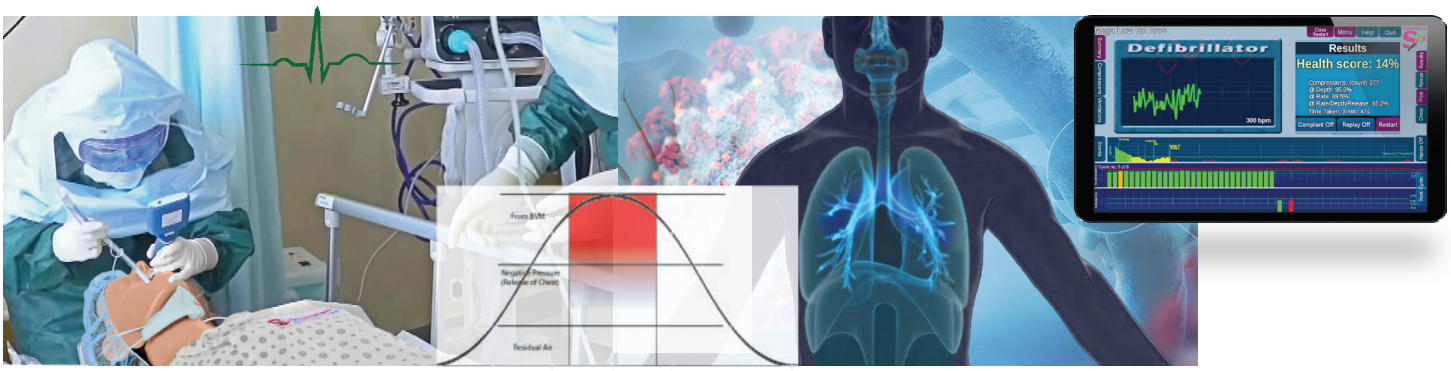
with eSERT Power **RS RSIMARDS**

Up-Skill Your Staff! Be Prepared for a Covid-19 Surge

Acute Airway Management for Healthcare Professionals

Designed with Input From Those who have Frontline Experience Working with COVID-19 in Initial Outbreak Hotspots Saving Lives in Quarantine Hospitals.

Re-Master Airway Skills and Re-Master IV Skills When Working with New Team Members



Without Control of the Airway There is Nothing

AIRWAY

Best Practice: Know Why and Learn How

- Informed By Front Line Practice
- Basic to Advanced Skills
- Advanced Airway with Cooperation
- Work Well Through Personal Protective Equipment
- Communicating Clearly With Cueing through Masks

TECH

Life-Like Interaction Crucial for ARDS Response

- ONLY AVAILABLE on SmartMan
- Changes in Pressure in Thorax
- Volumes Changed With Pressure
- Highest Fidelity Real Time Feedback
- Instant Performance Results & Analysis

VENTS BVM Ventilation Skills: Practice with chest resistance and accurate airflow. Squeeze the Bag Correctly, with Accurate Feedback to Improve Volume, Rate and Interval.

ET Tube Maximize Efficiency by Practicing Timing, Placing and Correct Cuffing. Perform While Chest is Being Compressed. Real Volume With Real Air Movement With Positive and Negative Airway Pressures.

I. V. Upskill staff so they are confident and competent to assist in ICU. This extends the reach of your existing ICU specialists and allows you to effectively deal with more patients.

Team Leading a Team of Professionals Who May Not Know Each Other. Explicit Training on how to Deliver Cues and Respond to Cues Effectively. Feedback Loops for Coping with PPE, Masks and A Noisy Environment.

As a Professional You Already Know What to Do!
Perfect Your Skills With SmartMan's State of the Art Training Simulator.

16155 Sierra Lakes Parkway
Suite 160210, Fontana, CA USA 92336
Tel: +1 877 774-4323

SmartMan®
MORE SURVIVORS

info@SmartMan.biz
www.SmartMan.biz

RSIM Acute Respiratory Distress Syndrome

RS RSIMARDS

Features 1 of 2
with eSERT Power

Airway Skills & Team Cooperation

High Accuracy is Required to Correctly Perfect Airway Skills. Our ARDS System has Advanced Sensors and Unique Features Specially Designed to Improve Airway Skills

Accurate Air Movement

- **Basic and Advanced Skills Included**
- **Tidal Movement Created by Natural Chest Movement**
- **Pressures in Thorax Create Realistic Air Movement**
- **Interaction of Chest Compressions & Ventilations**
- **Realistic Physical Feel of Air Movement**
- **Digital Real Time Feedback of Airflow**
- **Assisted Ventilation Activity with feedback on Volume and Rate of Air Flow**
- **Accurate Interval Between Ventilations**

Calibrated Airflow

All SmartMan Airways are Calibrated to Measure the Correct Volumes of Air and the Correct Rate that Air Flows Into the Lungs, Ensuring Development of Muscle Memory For Correct Performance.

Assisted Airway

Assisted Airway or BLS Airway is Required in Many Situations. For example, Acute Respiratory Arrest Conscious Sedation, Drowning, Drug Overdose, and Pneumonia, .

- Natural Chest Resistance
- Tidal Flow in Real Time
- Release / Non-Release of BVM
- Inhalation Rate Reported to 0.01 seconds
- Picks Up Puffs During Squeeze

Advanced Airway

Intubation or Advanced Airway Takes Practice and with COVID-19 it is Being Recommended that Experienced Anaesthesiologist, if available, Should perform. We Break Down the Skills to Allow Mastery in Smaller Parts First.

A Special Build with Unique Sensors Create a More Realistic Response and Feel. Feedback is in Real Time and Data is Stored So It Can be Reviewed.

POSITIVE-NEGATIVE PRESSURE AIRFLOW

ATFIS® ***The Only System with Life-Like Interactive Air Movement As The Chest Moves***

- This Features Provides Best Practice for Realistic Movement of Air During Advanced Airway Training
- True-to-Life Feel, Realistic Sound, Air Movement in Response to Pressures in Thorax
- Feedback to improve Timing and Volume Delivery
- Learn to coordinate volume flow with pressure changes
- Feel and Hear Misdiagnosed 'bucking-the-tube'

ICU Up-Skill I.V. Practice

- Insert Needles / Canulas
- Infusion of Fluids / Medications
- Practice Blood Sampling
- 3 Veins (2 with "y" Branches)
- Colour Change Shows
- 1 Artery (Self Healing)
- Flexible Hand
- Swivel of Elbow Joint
- Replacement Skins Available

Can be Used as a Stand Alone IV Practice Station

Connects to Manikin for Practice as Procedures are Ongoing and Provides for Check of Radial Pulse

Info@SmartMan.biz
www.SmartMan.biz

SmartMan®
MORE SURVIVORS

RSIM Acute Respiratory Distress Syndrome

RS RSIMARDS

Features 2 of 2
with eSERT Power

Natural Chest Resistance with Accurate Air Flow for Improved Practice.
Communicating Clearly Through PPE with New Team Members

High Quality Feedback

High Accuracy is Demanded to Correctly Perfect Airway Skills. Our ARDS System have Advanced Sensors and Various Unique Features Specially Designed to Improve Airway Skills

Calibrated Airflow

All SmartMan Airways are calibrated to measure the correct volumes of air and the correct rate that air flows into the lungs.

Assisted Airway

Assisted Airway or BLS Airway is required in many situations. For example, conscious sedation, drowning, drug overdose, pneumonia, acute respiratory arrest.

- Natural Chest Resistance
- Tidal Flow in Real Time
- Release / Non-Release of BVM
- Inhalation Rate Reported to 0.01 seconds
- Team Communication and Interaction
- Picks Up Puffs During Squeeze

Intubation

Intubation or Advanced Airway takes practice and with COVID-19 it is being recommended that experienced anaesthesiologist, if available, should do this. We break down the skills to allow mastery in smaller parts first.

How to Establish An Advanced Airway

- Correct Head Position
- Proper Landmarks
- Verification of Proper Placement
- Verification Cuff is Holding Correctly

Advanced Airway (continued)

How to Establish an Advanced Airway as Chest Compressions are Ongoing

- Dealing with Overall Movement
- Dealing with Landmarks with Movement
- Dealing with Air Expelled from Lungs

Ventilation with an Advanced Airway in Place When Chest Compressions are Ongoing

To Practice this Skill well requires several SmartMan Unique Features that were developed for this Protocol Only.

- 2-Way Air Flow
- Real Patient Volumes
- Interaction with Movement of the Chest
- Physical Feel & Feedback of Air Movement
- Volumes & Pressures Include Air Movement Caused by Movement of the Chest
- Learn How to Avoid Suctioning When Ventilating During Chest Compressions
- See the Effect of Quality Performance of Skills and Better Timing on Cerebral Perfusion

Team in PPE, Leadership & ARDS

Team Leader and Roles in PPE

- Strategies to Make Communications Clear
- Reinforcing Actions for Questioning & Confirming with Physical Signs
- Indicating Movements
- Changed Closed Loop Communication
- Dealing with Team Members Who Expect Different Protocols

Info@SmartMan.biz
www.SmartMan.biz

SmartMan®
MORE SURVIVORS

eSERT Power

Enhanced **S**ystem for **E**mergency **R**esponse **T**raining

VPS eSERT Power

eSERT Power Gives You Analyzed Data Examines Skills and Code Performance

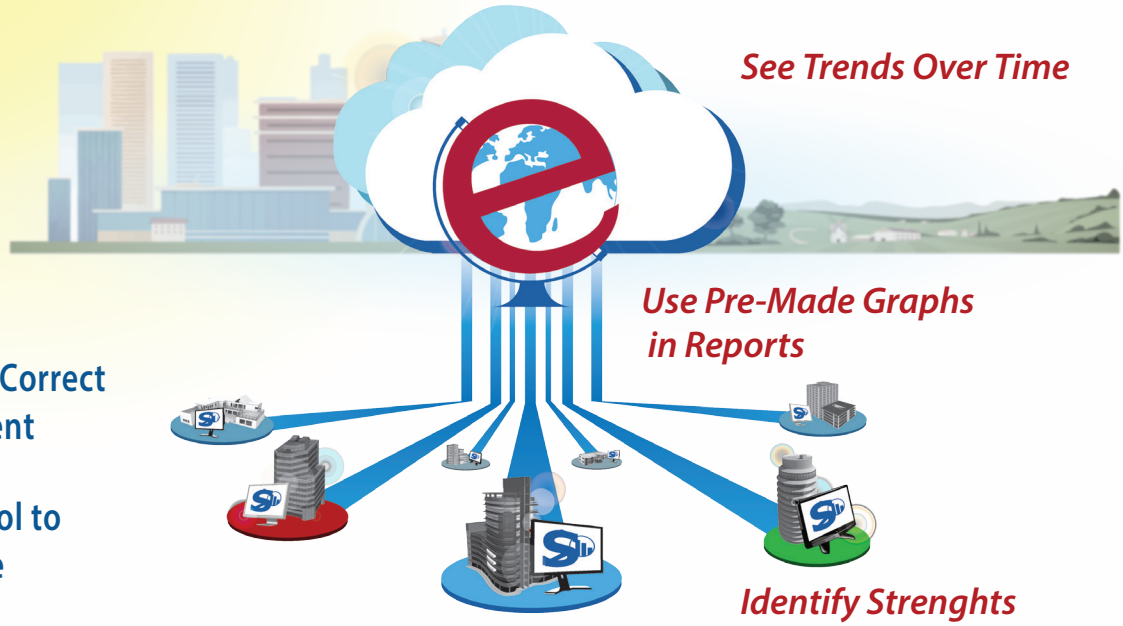
The ONLY System to provide accurate objective data related to your mock code training

eSERT Console Does the Hard Work

Does the Data Assembly Regardless of Where it is Located

Verifies Data Format is Correct and That it Has Been Sent

Administrative Control to Add User and Change Information



See Trends Over Time

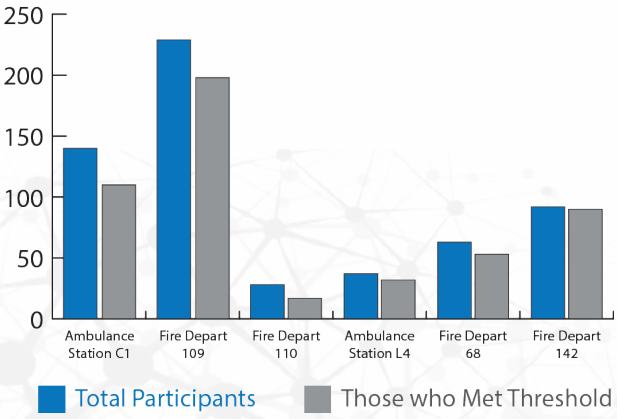
Use Pre-Made Graphs in Reports

Identify Strenghts

Compare How Well Emergency Response Teams are Performing

Quick View Graphs Built For You

- Our Experts Who Know the Data, Create the Graphs
- See How Performance Changes Over Time
- Immediately See Which Groups Perform Better



Easy To Use Dashboard

- Easy to Use - Single Click Filters
- Slider to Score Ranges
- Click to Set Date Range
- Click to Include or Exclude Groups
- Export PDF and Export as Tables

INCLUDES

- Initial Training on Setup and Use
- Customization of 5 Graphic Display Pages
- No Cost to Add Results from 9 More Manikins
- Up to 5,000 Results
- 24 Months of Server Time

eSERT Power is Included In RSIM Products

Note: *Requires Internet Connection*

16155 Sierra Lakes Pkwy,
Suite 160210, Fontana, CA USA 92336
Tel: +1 877 774-4323

SmartMan®
MORE SURVIVORS

Info@SmartMan.biz
www.SmartMan.biz

eSERT Power

VPS eSERT Power

eSERT Power Features

EFFICIENT

- Verifies Results Data Format
- Verifies Results Data Already Sent
- Verifies for Variations
- Only Sends New Data
- Can Run Live or at a Specific Time

COLLECTS

- Collects Results Data from All Manikins
- Collects From Any Locations
- Correctly Associates Different Login Names
- Corrects for Misspelled Logins and Nicknames

QUICK-ADD

- Add More Manikins to System
- Quickly Bring New Computer on Stream
- Bring New System Into Sync
- Perform on Any Manikin in the System

QUICK-VIEW

- Immediately See Overall Performance
- See How Performance Changes Over Time
- Identify Which Skills are Being Practiced
- Immediately See Which Groups Perform Better

DRILL-DOWN

- Set Date Range
- Click to Include or Exclude Groups
- Slide to set Maximum and Minimum Scores
- Export PDF and Export as Tables

Data eSERT Accurate

MANAGEMENT

- Add Users Whenever You Want
- Modify Personal and Professional Details
- Manage Employee Changes such as Transfers and Adding New Employees
- Make Users Active / Inactive

ADVANCED TEAM ANALYSIS

- Data on Mock Code Performance
- Records Scenarios Performed
- Includes Team Members
- Includes Roles Performed
- Includes Critical Events
- Shows Perishock Related Data

INCLUDED WITH RSIM1 and RSIM ARDS

INCLUDES

- Initial Training on Setup and Use
- Customization of 5 Graphic Display Pages
- No Cost to connect up to 10 Manikins
- 5,000 Performance Results
- 24 Months of Server Time

Requirements

- *Internet is Required for First Login.*
- *Internet is Required to Send Results Data.*
- *Internet is Not Required when Performing Activities*
- *PowerBI Login to View Displayed Pages*

Note: *Requires Internet Connection*

16155 Sierra Lakes Pkwy,
Suite 160210, Fontana, CA USA 92336
Tel: +1 877 774-4323

SmartMan
MORE SURVIVORS

Info@SmartMan.biz
www.SmartMan.biz