

RSIM - Resuscitation Simulation

Team, Tasks, Codes

with Master Class and eSERT Power

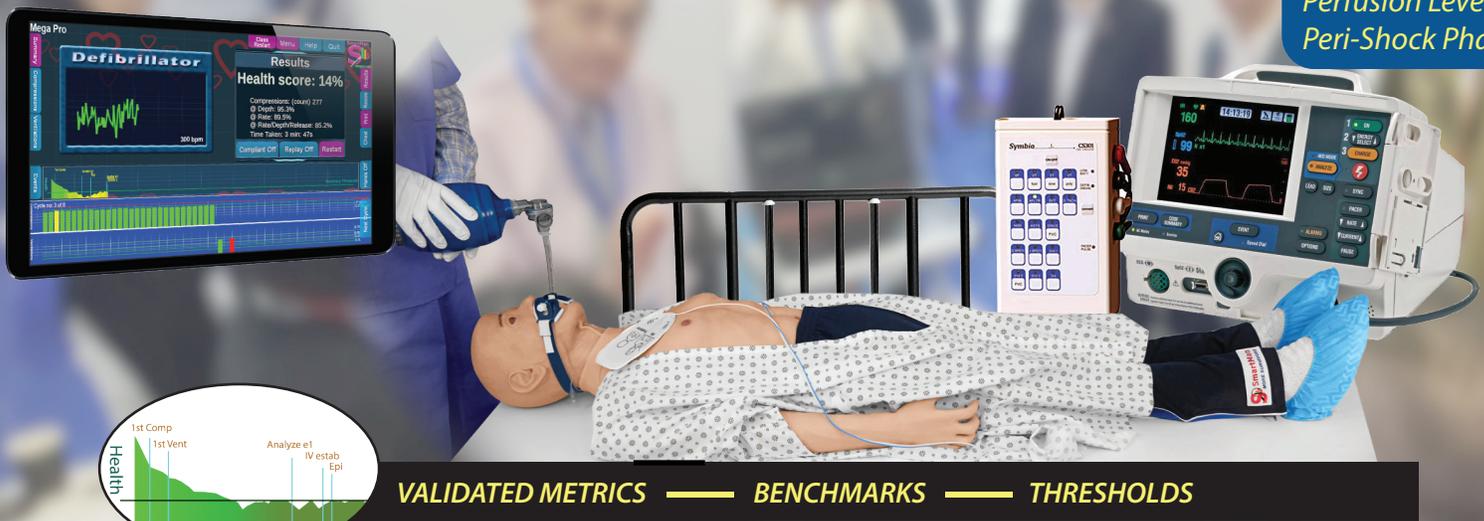
RS RSIM1+MC

Integrates Skills, Tasks, Roles, and Team Dynamics

High Fidelity Full Body Resuscitation Patient Simulator Gives
Your Team Realistic Run Time Practice
Provides Objective Evidence for How the Team Can Improve

Coordinated Integrated Response for Higher Reality Training

Health Status
Perfusion Level
Peri-Shock Phase



VALIDATED METRICS — BENCHMARKS — THRESHOLDS

Optimizes Team Performance

Brings Team Direction and Team Roles Together with explicit instruction and objective analysis of how to improve performance for the patient.

AI Enhanced Analysis

Put AI Analysis to work for you and produce easy to understand graphs on objective performance and accurate data and timing for debriefing.

Master Class

This is a professionally delivered course. In depth course covering the science and the actions that lead to better outcomes.

Includes
eSERT Power



Shows You In Graphs What Your Data Means

eSERT Power - the System that Collects, Cleans, Validates, and Organize Your Results Data. It Arranges and Displays your data so you simply concentrate on the trend and meaning. Quickly Incorporate Ready Made Graphs Into Your Reports.

Real Time Patient Condition

- Real Time Health Status
- Maintenance Threshold
- Responds to Performance
- Shows Optimal Chance for ROSC
- Shows Influence of Fraction

Better Outcomes

Independent science shows SmartMan Trainer Systems have higher survival rates and survivors having a MUCH Higher Quality of Life.

Accurate & Objective
- SmartMan Makes a Difference

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Features Sheet 1 of 2

with Master Class and eSERT Power

RS RSIM1+MC

Based on SmartMan's Award Winning Color Feedback System

Build Best Practice Muscle Memory and Establish Competence in a Variety of Crucial Tasks

Meets and Exceeds ERC & AHA Requirements for 2020

TASKS

More Sensors with More Accurate Feedback Because It Matters for Better Patients Outcomes

- BLS CPR Skills Included (AHA Guidelines 2020)
- ALS CPR Skills Included (AHA Guidelines 2020)
- Advanced Airway CPR
- Airway Management
- Mastering Intubation
- Mastering Use of BVM
- Changeover Efficiency
- Efficient Movement and Positioning
- I.O. Practice
- I.V. Practice (IV Arm is Optional)

KEY TASKS FEATURES

Understanding How Their Individual Performance Relates to the Condition of the Patient

- Raising Individual Skills
- Practice On Sub-Skills
- Focus On Delivering All Sub-Skills Together
- Setting and Attaining Required Thresholds
- Retention of Target Levels of Performance
- Seeing Relationship of Performance to Blood Flow to the Brain
- Seeing Relationship of Performance to Health Status of the Patient
- Seeing Influence of Performance on Whether They have a Better Chance to Achieve ROSC

POSITIVE-NEGATIVE PRESSURE AIRFLOW



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

- Best Practice with True-to-Life Feel, Pressures, and Feedback for CPR on Intubated Patient
- Supporting Best Practice Training for Low Volume, High Density, Pitcrew, and CAM Protocols with Real Time Feedback
- Feel and Hear Misdiagnosed 'bucking-the-tube'

QCI- DATA MANAGEMENT

- Login Name and Class Control
- Data from all Activities Available and For Review at Later Time
- Add Comments to Results file
- Create, Zip, and Send All Files to an Email
- Export Data to Excel to Compare Results
- Archiving of Results Data

eSERT - CLOUD APP

Enhanced System For Emergency Response Customized to Make Understanding Data Easy

- Setup of eSERT Power
- Subscription Fee for 1st & 2nd Year of eSERT
- Enabled for eSERT Data Analysis
- Customized Dashboard with 5 Pre-Setup Pages

Can Be Used With Your Real Defibrillator/Monitor

Metrics

- Highest Quality Sensors
- Validated In The Literature
- Based on Clinical Evidence

Thresholds

- Already Objectively Validated
- Built Into SmartMan Simulators
- Proven Relationship to Survival

Benchmarks

- Quick to Set Up
- Use to Show Improvement
- Use to Set Target Levels

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*Team Dynamics, Clear and Precise Communication, Objective Evidence Based
Suggestions on How to Improve, Showing How It Influences the Patient*

TEAM Focus on the Patient

*Team members Skills being performed with the
Time Running as it would be in a Real Situation*

EFFECT ON PATIENT

Influence on the Patient for:

- Quality of Skills Performed
- How Quality Changes Condition of Patient
- Timeliness of All Skills
- Time from Onset, During, and End of Code
- Team Communication and Interaction

SPECIFIC FOCUS POINTS

- How Has the Team Influenced Cerebral Blood Flow
- How Has the Team Improved the Chance of Successfully Achieving ROSC
- How Has the Team Improved the Condition of the Patient
- What Specific Performance Area Can Be Improved
- How Skills Interact with Interruptions
- Leadership Skills and Roles

INTERACTIVE SIMULATIONS

- Simulations Respond in Real Time
- Display the Interaction of Skills With Various Clinical Aspects of the Patient
- Respond to Quality and Timeliness of Team Effort
- Calculate and Display Effect of Interruptions
- Display Performance Effect In Terms of the Thresholds of Performance
- Simulations are Single Click Turn On or Off
- Re-display on Review of Results

Team Optimization Course

*Training in the What, When, How, and Why so
the Code Runs Better for the Patient*

- Procedures & Protocols Related to the Science
- Command Leader & Responder Roles Practiced
- Team Dynamics and Movement of Responders
- Integration of Training with Simulator & Software
- Hands-On Practice for 3 to 6 Person Code
- Easy Integration with Existing Code
- In-Depth Debriefing Report as Basis for Long Term Benchmarks
- Analysis in Terms of Patient Condition

CLS - CODE LEADERSHIP SYSTEM

*The Role of Leadership during a Team Effort Where
High Quality Skills Must be Performed within Tight
Time Limitations*

- Command Structure Made Explicit
- Team Leader Role Made Explicit
- Roles Defined By Number of Responders
- Develops Clear Communication Skills
- Develops Clear Closed Loop Communication
- Understanding for Roles in Different Protocols

AI AIDED ANALYSIS

*AI Analysis and Summarizes Key Information
in Simple to Understand Graphs*

- Focus on what will have the Greatest Impact on the Patient
- Quick View Graphs and Tables For Evidence Based Debriefing
- Graphic Display of Peri-Shock Analysis
- Times and Quality from Analyse to Shock

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

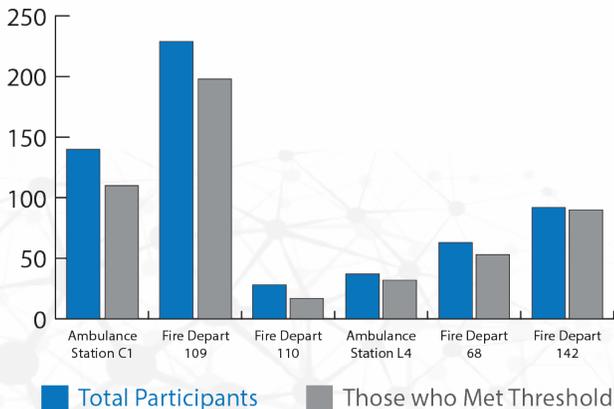
Verifies Data Format is Correct and That it Has Been Sent

Administrative Control to Add User and Change Information

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



See Trends Over Time

Use Pre-Made Graphs in Reports

Identify Strengths

● 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

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



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

These are Advanced Classes. They Bring Together the Theory and the Practice so that You Move Directly to World's Best Practice.

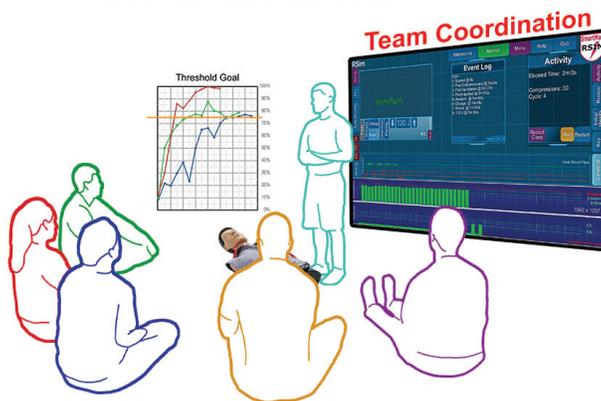


Techniques That Are Proven to Work!

THEORY

THE SCIENCE

- Why some actions work better than others
- Provides graphs of how performances and timing influences patient health
- Focus on time critical events when procedures must be perfect
- Matches key science with feedback areas within SmartMan



TIPS

- Hand-Off tricks to make things run smoothly
- Learning how to effectively give and receive cues
- Timing efficient and effective change overs
- How to practice team set plays and debrief

PRACTICE

HANDS-ON

- Practice so each person is a part of a high quality response
- Making debriefing short but effective by practicing effective leadership
- Practicing how to identify where to improve



TECHNIQUES

- The most effective movements
- Roles that change over time
- Roles for different numbers of responders

INCLUDES CERTIFICATE

- This is a Course Completion Certificate Issued by V4EMS.

Best Practice = Highest Survival Rates

**The SmartMan Courses
Teach You What the Best Programs Do**

The Techniques That Are Proven to Work!



EXPERTS

- Designed by Professionally Qualified Educators
- Taught by Knowledgeable Trained Specialists
- Experts in Emergency Response Training
- Experts in the SmartMan Systems

STRUCTURED

- Full Professionally Designed and Professionally Conducted Courses.
- Written Objectives, Content, Resources, Procedures, & Evaluation.
- Written Behavioural Objectives and Includes Evaluation.
- Require Participants to Perform on the Manikin in order to Produce the Real Data which will be used in the Class.
- Focus on Quality of Performance and Meeting the Threshold of Performance Required to Help the Condition of the Patient
- An Evaluation of What Participants Have Learned is a part of the Course

DELIVERY FORMAT

- Courses are Offered Through a Mixed Media Format That Utilize Printed Materials, Videos, Video Conference, Demonstrations, Hands-on by Participants, & Written Evaluation.
- Involves "Show-&Do" Where We Demonstrate Points and then Participants Immediately Practice a Set Play
- Guided Live Debriefing Showing How to Use Objective Metrics to Improve

HOW TO

- Course Covers the Practical Aspects that Other Courses Leave Out
- How to Provide Clear Cues and Hand-Off
- How to Take Up a Cue Seamlessly
- How to Move When People are In Middle of Their Own Tasks
- How Strong Leadership Must be for Part of an Effective Response
- How Priority of Roles Changes as The Code Response Progresses.

***The Techniques That Are
Proven to Work!***



TEAM OPTIMIZATION COURSE - MASTER CLASS

VPS CTOC3 Master Class

This course covers both Standard AHA Protocol and Low Volume / High Density Protocol for resuscitation of cardiac arrest. It is scheduled for 8 hours of contact time which can be split over 2 or 3 sessions.

This course combines theory (the science behind why we perform to particular levels of performance) and hands-on practice (students will work in groups and perform skills on manikins).

Course includes timings, tips, differences between real run time and mock code. It also shows how to make use of the objective feedback from SmartMan RSIM to improve team actions for the good of the patient.

It includes a full curriculum package with print outs, along with examples of several modifications that different places have implemented.

World's Best Practice

Includes the practices where places that have consistently produced the greatest number of survivors in the best neurological condition have evolved.

It incorporates the tips and techniques that the best institutions have developed over the years. It also discusses how these techniques follow the science and why they work.

Compare and Contrast

This course is much more than just the content of both CTOC1 and CTOC2. It provides an in-depth analysis of why some things are changed in the second protocol and how those changes address particular issues raised in the science.

It includes how to see results that the two different protocols produce within the SmartMan feedback and how to use that to modify both skill performance and team performance.

**This is a MASTER CLASS Course and Blends The Science Behind the Protocols
With the Actions that Produce the Best Patient Results**

REQUIREMENTS

- Must have access to RSIM1.
- Must have at least 6 people together in the same room to use the manikin.
- Must have Internet.
- Course is offered in English. If you require translation you must provide a translator.
- We recommend that you use your own Defibrillator /Monitor with a Rhythm Generator

**Course Completion Certificate provided at the end of these courses.
It is subject to full attendance and completion of the assessment.**