

GE Healthcare

# The logical path to Lung Protection

CARESCAPE<sup>\*</sup> R860

by anandic





# It's nice to see a familiar interface

With the inception of the CARESCAPE R860, we were inspired to create a user interface that is inherently familiar the first time you use it.

Through hours of observational research and leveraging swipe screen touchscreen technology, we've designed a more human-centered user interface. By replacing menus with workspace views, the CARESCAPE R860 has flattened the learning curve and unlocked ventilation capabilities by making them more accessible and easier to use.

The end goal has always been to provide a clearer window to your patients. Through useful data to support clinical decisions and convenient workspaces that can be customized for each patient, you can confidently provide a logical path to Lung Protection.

## MENU-FREE NAVIGATION

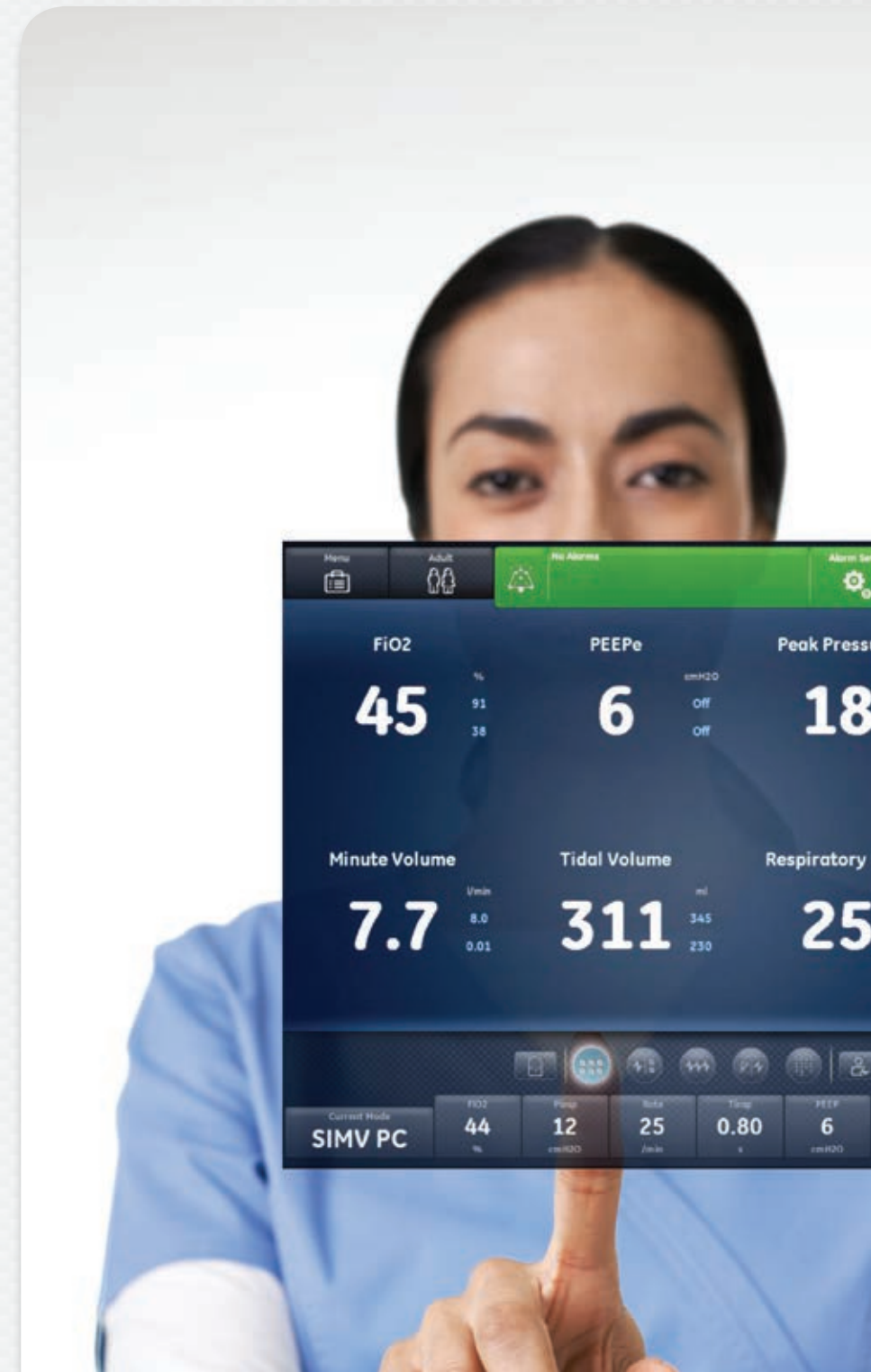


The user interface on the CARESCAPE R860 represents a leap forward in our touchscreen technology. Intuitively organized and easily accessible, relevant clinical content and therapy controls are not buried in menus, they are at your fingertips.



# Choose your view, you're the director

The user interface on the CARESCAPE R860 puts you in the director's chair through graphically dynamic views. From simple parameters and waveforms to robust clinical displays and historical trends, there's a view to help to suit your needs.





# Travel through time with a single touch

With the CARESCAPE R860 user interface we have enabled you to freely switch between workspaces with either a single button touch or swipe from past on the left to future on the right to monitor your patient trends and access your Lung Protection tools.

### THE WORKSPACES

PAST      PRESENT      FUTURE

From these workspaces, users can swipe and scroll to transport them wherever they want to go - to the past (trends), the present (patient status) and the future (therapy controls)

PAST



# PRESENT



# FUTURE



# Keep focus where needed

The CARESCAPE R860 has an event-centric historical data feature that allows you to easily access detailed patient data at a given point in time. Events can be expanded with the touch of a button to reveal important patient information.







## Did you know?



Approximately

**24%**



of all patients mechanically ventilated will develop Ventilator Induced Lung Injury (VILI) for reasons other than ALI or ARDS.<sup>7</sup>

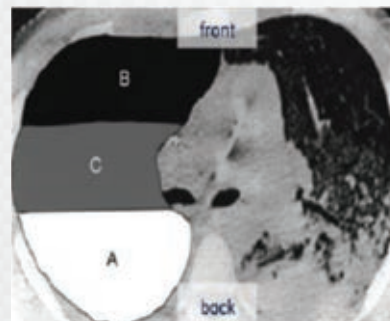


# Gentler breaths for easy breathing

The lung is a delicate structure that is highly sensitive. Mechanical ventilation can be detrimental if too much volume or pressure is delivered. And patients affected by lung disease are highly susceptible to ventilation-associated lung injury.<sup>1</sup>

## A LUNG PROTECTION STRATEGY CAN HELP ENSURE THE DIFFERENT ZONES RECEIVE THE TREATMENT THEY NEED

LUNG ZONE	CLINICAL NEED
A Atelectasis	▶ Keep the lung open <sup>2,3,4</sup>
B Baby healthy lung	▶ Reduce tidal volume <sup>4,5</sup>
C Cycling opening/closing	▶ Stabilize the lung (PEEP) <sup>6</sup>



CT scan that shows uneven distribution of disease<sup>1</sup> Each zone has unique treatment needs.

A = Atelectasis B = Baby healthy lung  
C = Cycling Opening/Closing

<sup>1</sup> E. D. Moloney and M. J. D. Griffiths, British Journal of Anaesthesia 92 (2): 261±70 (2004)

<sup>2</sup> Hedenstierna G, Acta Anaesthesiol Scand 2012, 56: 675-685

<sup>3</sup> Gattinoni L, N Engl J Med 2006;354:1775-86

<sup>4</sup> Brunner J, Intensive Care Med. 2009, 35:1479-83

<sup>5</sup> Rouby JJ, Anesthesiology 2004; 101: 228-34

<sup>6</sup> Gattinoni L, Current Opinion in Critical Care 2004, 10:272-278

<sup>7</sup> International consensus conferences in intensive care medicine: Ventilator-associated Lung Injury in ARDS. This official conference report was cosponsored by the American Thoracic Society, The European Society of Intensive Care Medicine, and the Société de Réanimation de Langue Française, and was approved by the ATS Board of Directors, July 1999. Am J Respir Crit Care Med 1999; 160:2118.



Menu Adult No Alarms Alarm Setup Insp Hold Exp Hold Manual Breath

### Evaluate

#### FRC INview

FRC O<sub>2</sub> 70 %

Start PEEP 4 cmH<sub>2</sub>O End PEEP 10 cmH<sub>2</sub>O

Steps 3 Step Time 10 min

Estimated Time min

Lung INview

Leak compensation on

#### PEEP INview

05-Aug 01:20 pm

FRC - PEEP graph (cmH<sub>2</sub>O)

Cstat - PEEP graph (ml/cmH<sub>2</sub>O)

FRC ml	1431	1450	1970
PEEP+I cmH <sub>2</sub> O	3+0	6+1	9+0
Cstat ml/cmH <sub>2</sub> O	70	70	71

Paw cmH<sub>2</sub>O 30 P<sub>peak</sub> PEEP

V<sub>Temp</sub> 461 ml FIO<sub>2</sub> 59 %

Current Mode A/C VC FIO<sub>2</sub> 60 % VT 475 ml Rate 16 /min PEEP 4 cmH<sub>2</sub>O P<sub>max</sub> 30 cmH<sub>2</sub>O 03:00 pm STANDBY

SBT

# The logical path to Lung Protection

CARESCAPE R860 is an intuitive ICU ventilator that offers a comprehensive solution for Lung Protection strategy by simplifying the use of advanced tools to assess patients' lung volume, check potential recruitability and titrate the appropriate PEEP.

## CARESCAPE R860 OFFERS AN INTEGRATED SOLUTION



### LUNG ZONE

- A Atelectasis
- B Baby healthy lung
- C Cycling opening/closing

### CARESCAPE R860 ADVANCED TOOLS

- FRC & static compliance ▶ FRC INview<sup>®</sup>
- P-V curve ▶ SpiroDynamics
- PEEP titration & Vd/Vt ▶ PEEP INview & Vent Calcs





# CARESCAPE R860

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## PAST

### TRENDS



Graphic Trends



Numerical Trends



Trends Log



Snapshot Trends

## PRESENT

### STATUS



Basic



Basic Waveform



Advanced Waveform



Split Screen



Charting

## FUTURE

### CLINICAL DECISION SUPPORT



SBT



FRC



Spiro



Metabolics



Calc

# Connecting intelligence and care

This is the vision of our CARESCAPE platform. For caregivers, this means a user interface that is designed to improve access to core functions and open a window to the patient. From respiratory care to patient monitoring, with CARESCAPE we contribute to suit the needs of clinical users regardless of experience or title.



## CARESCAPE R860

Uncompromised ventilation – along with touches of brilliance – now you can have it all

- A Alarm light
- B 15" Touch display
- C Integrated keypad & trim knob
- D Optional airway module bay (mounted either side)
- E Inspiratory safety guard
- F Ventilator lock
- G Dovetail to support adjustable mounting rail (on both sides)
- H Locking casters (all wheels lock)



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GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care.

Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost.

In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

**Imagination at work**

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