

What Choice Will You Make?

Breathing In BalanceSM
through Total Ventilation SolutionsSM

A500D

Choose Wisely

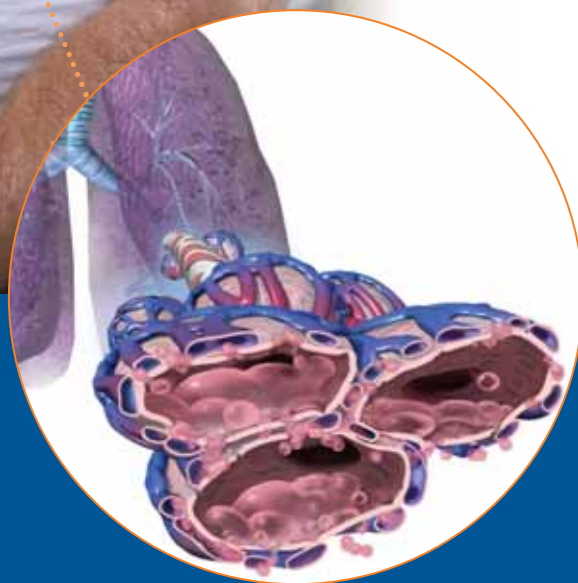
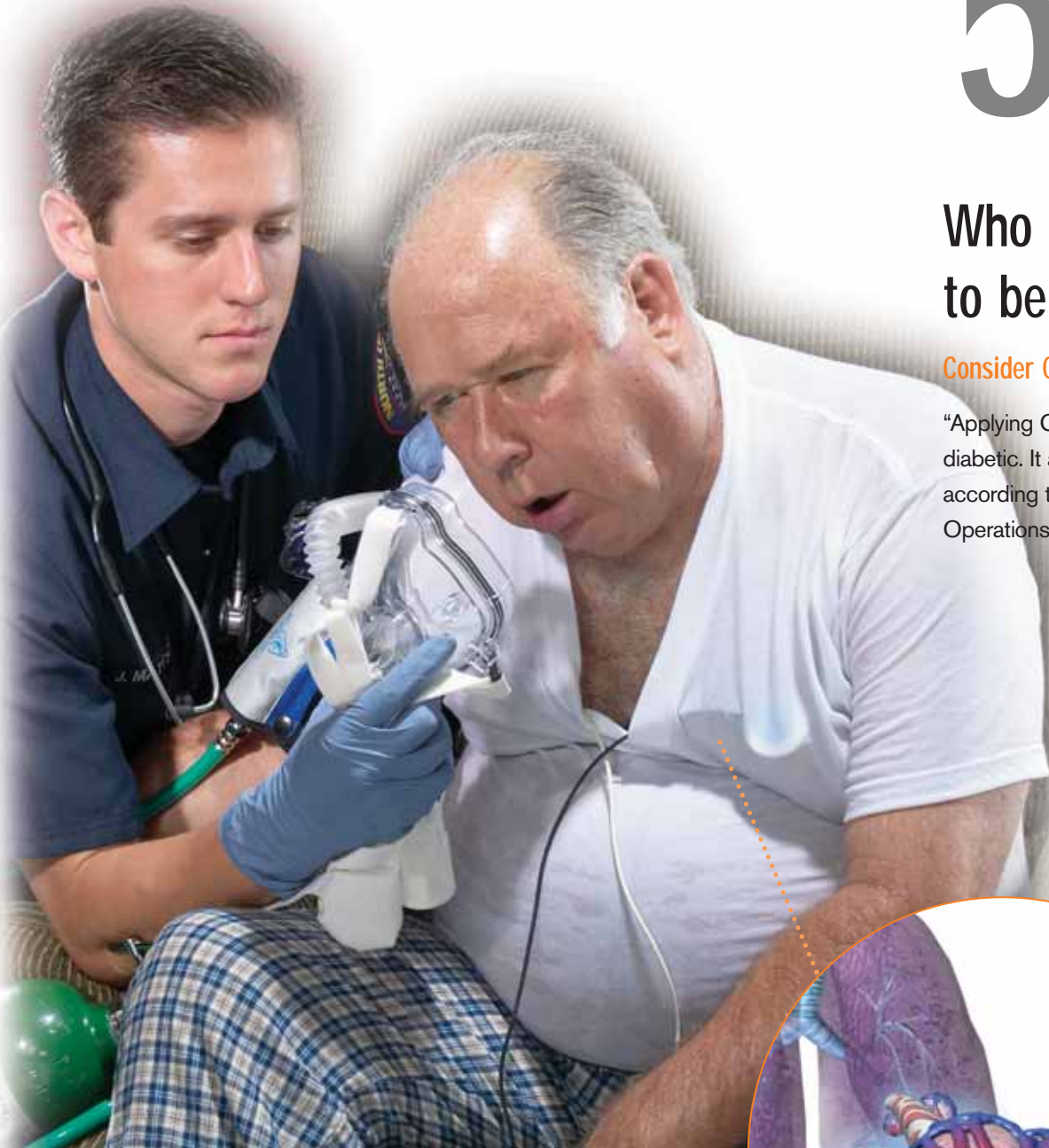
Intubation may increase the length of hospital stay over

50%*

Who Really Wants to be Intubated?

Consider CPAP First—A New Option

“Applying CPAP is like giving D50 to a diabetic. It allows you to see rapid results,” according to Mike Poniatowsky, Director of Operations, EVAC Ambulance, FL..



If your patient is suffering from acute pulmonary edema, the pulmonary capillaries have forced fluid into the alveoli. This prevents oxygen exchange, causing the patient to drown in his own fluid.

* Brochard L: *Eur Resp J*; 19:712-721.; Keenan SP: *Ann Intern Med* 2003, 138:864-870.; Plant PK: *Thorax* 2001, 56:708-712.; Wysocki M: *Chest* 1995, 107:761-768.; Ferrer M: *Am J Respir Crit Care Med* 2003, 168:1438-1444.; Auriant I: *Am J Respir Crit Care Med* 2001, 164:1231-1235.; Keenan SP: *MedScape* 2004.; Ferrer M: *European Respiratory Society Meeting*, Sept 2001.; Antonelli M: *JAMA* 2000; 283:235-241.

The Decision...

...to use CPAP instead of Endotracheal Intubation

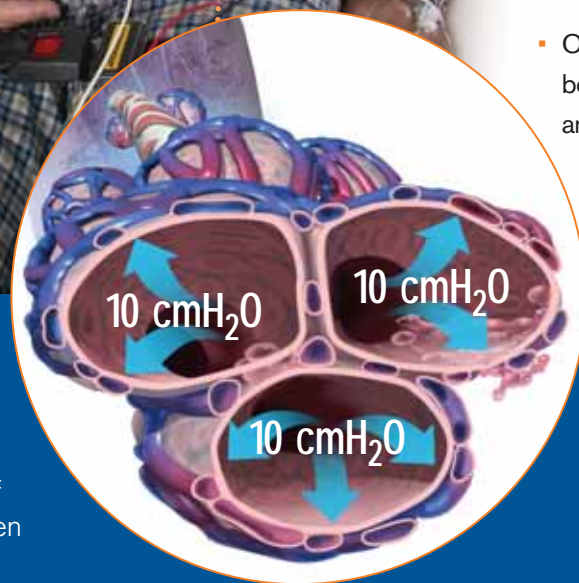


Paramedics and EMTs often find CPAP can deliver:

- Greater patient comfort and safety
- Patients who are in the best possible condition when they arrive at the hospital
- Greater ease in managing the patient
- Application of cutting-edge technology that often enhances clinical outcomes
- Fewer complications and dangers often caused by intubation
- Use of lightweight, inexpensive equipment that is quick to initiate

Emergency Department Clinicians appreciate having patients brought in on CPAP because they:

- Still have a noninvasive ventilation therapy option
- Can communicate with, assess and respond to patients
- Often arrive in a more stable condition because of the avoidance of intubation and additional diuretics



After you apply CPAP, the patient will exhale against an isobaric valve with a fixed pressure. As the patient exhales against the valve, the pressure of the valve will stent the alveoli open and shunt fluid away.

has significant impact

Findings from healthcare experts...

In the report *Guidelines for Preventing Health-Care-Associated Pneumonia, 2003: Recommendations of CDC and the Healthcare Control Practices Advisory Committee*, the Centers for Disease Control recommend NPPV to reduce risks of nosocomial pneumonia and calls for the "use of NIV to reduce endotracheal intubation when feasible and not medically contraindicated in patients who are in respiratory failure and are not needing immediate intubation."

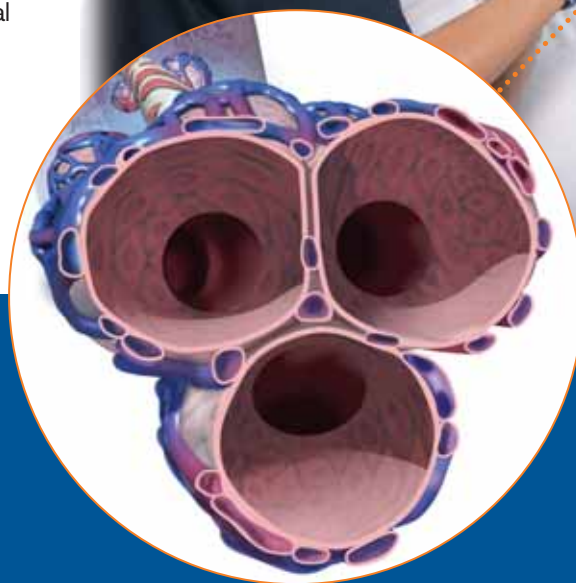
"Utilization of noninvasive techniques dramatically reduces the need for endotracheal intubation and mechanical ventilation." †

Patients often find that noninvasive CPAP allows them to:

- Maintain the ability to communicate
- Experience decreased work of breathing
- Have less fear of having to be intubated
- Reduce distress and anxiety for the family
- Have shorter hospital stays and lower related costs
- Have more options at the hospital because they have not been committed to an invasive therapy
- Often experience rapid improvement

Hospitals often experience these CPAP benefits:

- Better patient outcomes
- Reduced mortality, morbidity and length of stay, especially in the ICU*
- Lowered incidences of nosocomial pneumonia



With the fluid shunted out of the alveoli, the patient is able to exchange ETCO_2 and O_2 more effectively.

† Nieminen, Makku S: *Eur Heart J.* 2005, 26:395

The Clear Choice

WhisperFlow® CPAP Generators



Continuous Positive Airway Pressure (CPAP)

CPAP provides continuous positive pressure into the airways of a spontaneously breathing patient throughout the respiratory cycle. Because flow-based CPAP does not require the patient to trigger a breath, it reduces the work of breathing and increases patient comfort.

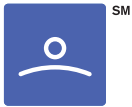
WhisperFlow® CPAP Generator—The Power to Treat Respiratory Distress in the Palm of Your Hand

- CPAP provides continuous flow versus a demand valve, reducing the work of breathing and increasing patient comfort
- Free breathing
- Improves oxygenation
- Increases functional residual capacity (FRC); recruits alveoli and improves gas exchange
- Provides an option for seamless transfer of the patient to a hospital-based BiPAP® Vision® Noninvasive Ventilatory Support System
- Easy-to-use—no need to calibrate or perform any equipment checks

Respironics—An Acknowledged Authority in Noninvasive Ventilation Therapy

- Creating innovative technologies and products to treat, monitor and manage respiratory-impaired patients
- Market leader of noninvasive ventilation and clinical and technical support services for the Emergency Market
- Pioneer of BiPAP® Vision® noninvasive therapy

Respironics offers a wide range of Power Programs™ for Managing Diseases to help patients take control of their lives.



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MANAGEMENT



CHRONIC RESPIRATORY
MANAGEMENT



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SOLUTIONS



RESPIRATORY
DRUG DELIVERY



NEONATAL &
INFANT CARE

Respironics, Inc. and Respironics Critical Care

Respironics is a leading global developer, manufacturer and distributor of innovative products and programs that serve the sleep and respiratory markets. We are dedicated to enhancing outcomes for patients, clinicians and providers. With customers in more than 125 countries, we provide healthcare professionals everywhere with access to the solutions they need to help improve outcomes and quality of life at all points of care.

Respironics Critical Care is dedicated to enhancing respiratory care in pre-hospital, hospital, long term acute care (LTAC) and home settings. From invasive and noninvasive ventilators, patient interface products and monitors to clinical protocol pathways, training programs and technical support — we represent a comprehensive resource with applications across the entire care continuum. Ultimately, our goal is to optimize ventilation management and accelerate the recovery process for shortened hospital stays. That's why our Breathing In Balance approach helps facilitate:

- Enhanced outcomes;
- Greater patient comfort;
- Increased quality of clinician data;
- Reduced risks; and
- Lower costs.



Customer Service: 1-800-345-6443 or 724-387-4000
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