

## Public Access Resuscitation "Breathing life back into CPR"!



Most Victims of Sudden Cardiac Arrest (SCA) go into ventricular fibrillation (VF) at some point in their arrest. Resuscitation is most successful if defibrillation is performed within the first 5 minutes after collapse.

To date, controlled environments such as casinos and airports have offered the best results for well trained and motivated lay rescuers performing CPR and defibrillation. In addition, there has been demonstrated a significant improvement in survival from out-of-hospital VF SCA in well-organized police, CPR and AED rescuer programs. Yet unwitnessed arrest, arrest of duration greater than 5 – 10 minutes and arrest from non cardiac causes (drowning, choking etc.) require CPR (compressions and ventilations) to be performed. There has until now been no significant technological solution for the rescuer in providing rescue breaths and compression timing in one easy to use device.

The **"NEW" CAREvent® PAR** provides these first links in the Chain of Survival with an automatic device specifically designed for "lay rescuers". Calibrated to the current resuscitation guidelines with a 30:2 compression:ventilation ratio, the voice and visual prompts guide the rescuer through the CPR process while the automatic ventilations provide the patient with 100% oxygen. The timing of the compressions and ventilations are optimised to significantly reduce interruptions in chest compressions.

Available in multiple languages and upgradeable to any guidelines changes this device definitely **"Breathes life back into CPR"!** [Read more ...](#)

## Compact CPAP for the EMS professional!



CPAP has been proven to provide an effective method of treating respiratory distress from Congestive Heart Failure (CHF) without having to intubate the patient. This is achieved by forcing fluid out of the alveolar space back into the interstitium, "splinting" open the alveoli, preventing alveolar collapse and allowing unimpeded alveolar ventilation. This provides more surface area for gas exchange, improving diffusion and oxygen uptake. CPAP improves the patient's breathing, decreases pre-load and after-load of the heart, improves lung compliance, increases functional residual capacity, and decreases work of breathing. By providing mask CPAP, early improvement in the patient's breathing reduces the need for drug interventions, intubation and ICU admission.

The **"NEW" CAREvent® CPAP** (Continuous Positive Airway Pressure) device provides superior CPAP delivery in a simple, compact, cost effective device that can fit easily into your existing oxygen kit. The "ease of use" design concept and unique **single use patient circuit with face mask, head harness and manometer** makes application and operation of the CAREvent® CPAP extremely simple for the rescuer and more comfortable and less distressing for the patient.

[Read more ...](#)

## Market News

### "O-Two donates resuscitation products to the Vancouver Olympic Committee!"

O-Two Medical Technologies has donated resuscitation products, for use at the 2010 Winter Olympics, to the VANOC organizing committee!

We at O-Two wish all the competitors (with a special bias for Canadian athletes) a memorable stay here in Canada and every success at the games.

### "Single use SMART BAG® MO goes to Afghanistan"

Cardinal Health (one of our Canadian Distributors) reports that they have just made their first sale of single use SMART BAG® MO manual resuscitators to the Canadian Military. While the Canadian Military have been buying our silicone SMART BAG® MO products for the past year. This is their first acquisition of the single use product. It is our understanding that these SMART BAG® MO are destined for Afghanistan to help support the medical efforts of our troops. [Read more ...](#)

### "First sale of the new CAREvent® PAR!"

Our South East Asia Sales Manager, Ronald Wee, has gained the distinction of being the first sales person to sell the new CAREvent® PAR. More units are to follow shortly.

### Great Job Ronald!!!

## Market News

### "Military Select CAREvent® CA"!

70 CAREvent® CA handheld resuscitators have been purchased by the Canadian Military. The CAREvent® CA was chosen for its unique ability to function within a toxic environment and protect the patient from additional toxic gas inhalation during resuscitation and transport.

We send our sincere congratulations and thanks to the successful bidder Source Medical. [Read more....](#)

## O-Two People

Fred Rainville joined O-Two as **Director of Sales and Marketing** in July last year. He believes in working closely with our distributors and in answering the needs of our end users.

*"I was very excited about our existing core products like the SMART BAG® MO", said Fred when asked about his reasons for joining O-Two.*

*"The new and unique products that we have for 2010... CAREvent PAR®, and CAREvent® CPAP..... will prove once again that we are a serious player in the Emergency Respiratory Care industry. In 2010 we are keen to develop a strategy that will enable us to create a win-win situation for both our distributors and end users".*

You can contact Fred at: [frainville@otwo.com](mailto:frainville@otwo.com)

## "WANTED"



### Colours for our new Transport Ventilator!

2010 will see the launch of our **"NEW" MOBILE INTENSIVE CARE VENTILATOR.**

We want **YOU** to decide on the colour scheme for this exciting addition to the CAREvent® range.

Those who choose the most popular colour scheme will be entered into a draw for one of 10 Finger Tip Pulse Oximeters!

Click [HERE](#) to fill out our 20 second survey...and WIN!

## Street Smarts

"Congratulations to our last issue's winners":

[Robert J. Bertollo](#), New Jersey  
[Sue Knudsen](#), St. Catharines, Ontario, Canada

Can you answer this issue's question?

**"Under the current AHA Resuscitation Guidelines for Adult Basic Life Support, what comes first, 2 breaths or 30 compressions"?**

[To submit your answer click HERE, but be quick, only the first 3 correct answers win an O-Two Jacket!](#)



### Our Pedigree

With over 35 years experience in the design, engineering and manufacturing of medical devices, O-Two Medical Technologies has grown to be the world leader in emergency respiratory care products. Our innovative thinking, leading-edge engineering concepts and high quality manufacturing capabilities combine to make O-Two Medical Technologies a valuable partner for healthcare professionals and the patients they serve.

### Our Mission

"Our corporate mission is to apply our expertise in the design, engineering and manufacturing of emergency respiratory care products to assist our dedicated healthcare providers in giving the very best patient care possible. We constantly monitor market trends to anticipate the changes in the way patients are treated. This proactive approach enables us to develop the products today that will become the Healthcare provider's tools of tomorrow. By applying our imaginative design processes and technologically advanced solutions to new products, O-Two Medical Technologies will continue to meet the challenges of the emergency respiratory care device market".

### Our Capabilities

O-Two Medical Technologies provides advanced engineering, state-of-the-art design, prototyping and manufacturing capabilities. These are all encapsulated within a painstaking quality system to meet required International manufacturing standards. Our manufacturing, research and development facilities are registered to the ISO 13485 Quality system as well as European (CE) and US (FDA) medical device requirements.



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