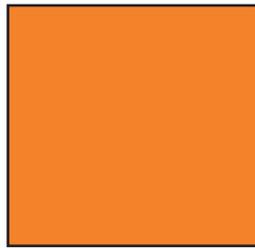
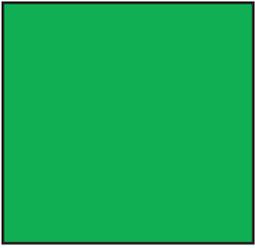




Invent

Develop

Save

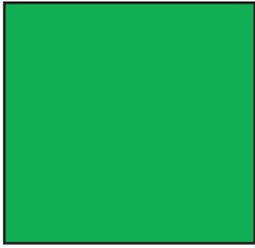


Care 2 Innovations has been inventing, manufacturing and delivering medical products for over 25 years. With our award winning products, we have developed relationships in the worldwide healthcare market.

Care 2 Innovations is led by several former paramedics and firefighters with over 120 years of experience. Through hands on experience we have produced products that enhance patient care and address the missing needs of the medical community.

Care 2 Innovations is committed to patient care and has rigorously evaluated, studied and tested all our products to ensure patient safety.





# Products

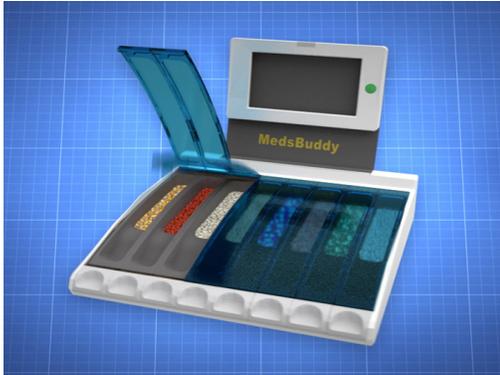
NebuFlex™ Continuous Care Nebulizer



SIPQuik™ Vacuum Cervical Splint



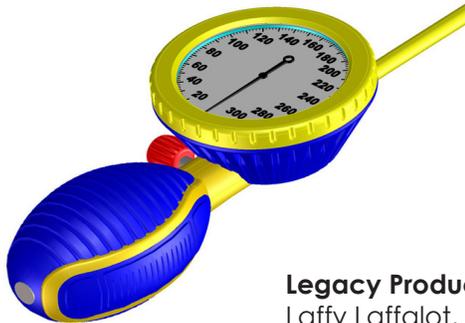
MedsBuddy™ Prescription Medication Dispenser



OTA (Open The Airway) CPR Board



Blood Pressure ResQ Cuff™



**Legacy Products** - Thomas Tube Holder, Stablok, Sun Strap, Dial Fire Escape Ladder, Laffy Laffalot, Pneusplint – Inflate First Splint, Simplified Spanish for Firefighters, Paramedics and EMTs language translation booklet/CD.



# SIPQuik™ Stabilize In Place Cervical Splint



Short for "Stabilize In Place Quickly," the new SIPQuik Vacuum Cervical Splint Collar recently developed by Care 2 Innovations, addresses some major challenges with the typical C-collars currently being used in the field. Unlike traditional cervical collars, which are rigid and uncomfortable, the SIPQuik is soft, conforming to the body with a micro-bead filling so the patient can remain as comfortable as possible during stabilization. A built-in vacuum pump quickly removes the air and locks the SIPQuik in place to fit the patient's anatomy.

The SIPQuik is easier for first responders to use and far more comfortable for the patient (usually, already in considerable pain) to wear than traditional C-collars. And not only that, it is safer. Indeed, recent studies have demonstrated that the rigid C-collars currently in use can actually cause more harm than good, exacerbating the situation and stretching the neck or causing undue pressure. (Why EMS Should Limit the Use of Rigid Cervical Collars). By solving these issues simply and elegantly, the SIPQuik Vacuum Cervical Splint by Care 2 Innovations proves itself as a win-win product for both medical professionals and patients.





## In the Media

Cervical immobilization has long been considered an essential first step in addressing trauma patients. For forty years, there has been controversy over risk/benefits of a semi-rigid collar. Some studies have even suggested that collars can be omitted as long as patients are immobilized until arrival at an ER or trauma center.

Because radiologists have the final say in diagnosing normal vs fracture of cervical spine, we were asked to undertake a study to find the best solution for cervical immobilization. To address this controversy, we used state of the art radiology techniques in assessing jugular venous return and spinal curvature with and without various collars.

A new vacuum cervical splint has become available that we are now comparing to semi rigid collars. This SIPQuik™ "Stabilize In Place" vacuum cervical splint (Care2 Innovations of Newport Beach, CA) has multiple advantages in our initial evaluation. It can be placed by a single EMT. One size fits all, including pediatric patients. This permits rapid application, without the time delay of fitting. We have initiated a study comparing the SIPQuik vacuum cervical splint to a standard semi-rigid collar. The comparison collar was the Ambu® Perfit ACE (Ambu Inc, Columbia, MD.), simply because of local preference.

The first parameter studied was a comparison of jugular venous Doppler flow and diameter of internal jugular with no collar, semi-rigid collar and the SIPQuik (vacuum cervical splint). This is felt to be a surrogate of unintentional effect on intracranial pressure. The second parameter studied was any possible distraction of the cervical spine. Unintended straightening of the cervical spine has the potential of displacing an unsuspected cervical fracture. For this parameter, a lateral radiograph was obtained with and without the collar in place.

Preliminary results show that the SIPQuik vacuum cervical splint does not increase jugular venous distension (a surrogate for possible block of venous return) compared to the semi rigid collar. Measurements of normal cervical lordosis remained unchanged with the SIPQuik cervical splint, but undesirable straightening of the cervical spine (as a measure of distraction) was seen with the semi-rigid collar.

Our clinical colleagues agree that the SIPQuik vacuum cervical splint is a "one size fits all" solution for rapid application in trauma patients. This could end the endless debate of collar, no collar, soft collar, or rigid collar. More thorough testing and confirmation by other groups with all available semi-rigid collars is underway. A future peer reviewed paper will contain all of the methodology used in our study.

Author: Robert Hurwitz, M.D. (HopkinsRead Radiology and Touro University School of Medicine, Las Vegas, NV.) E-mail address: Bob95Fox@aol.com

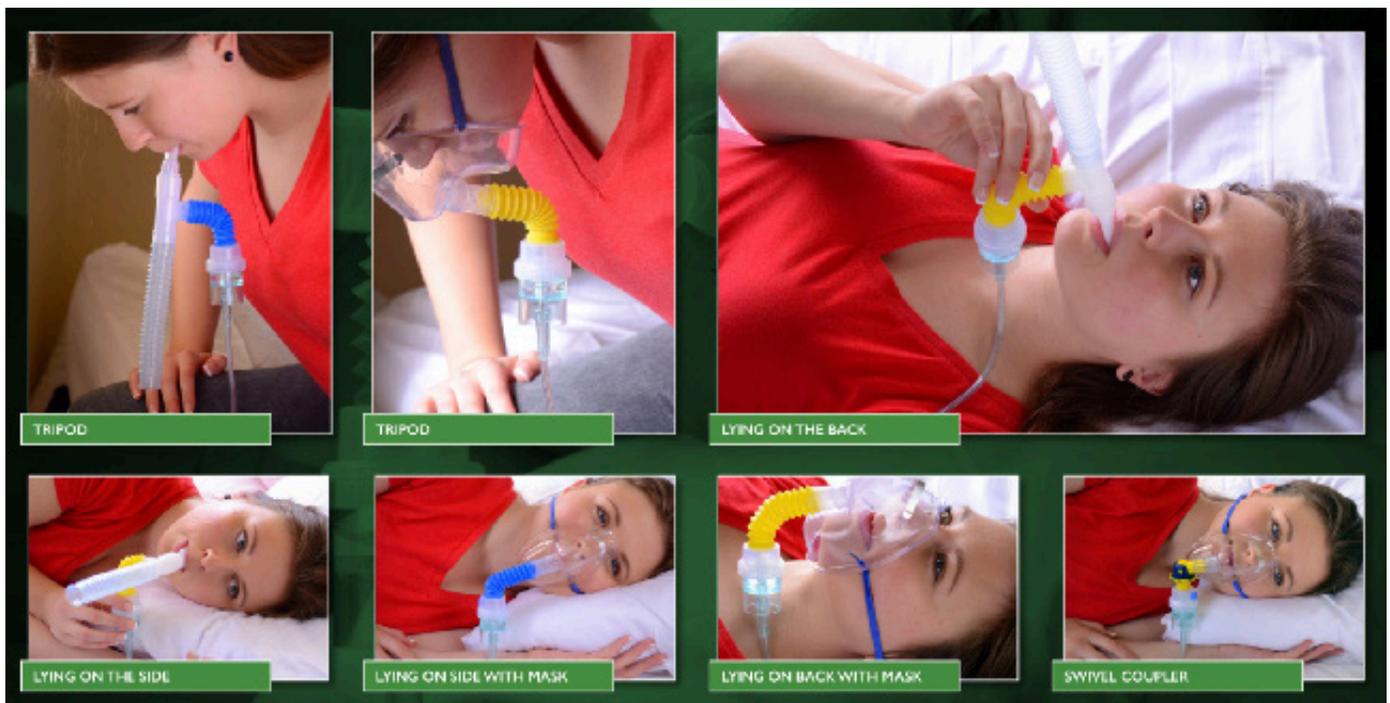


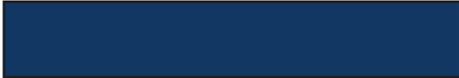
# NebuFlex™ Continuous Care Nebulizer

When using standard nebulizers to treat asthmatic patients and others struggling to breathe, first responders and other healthcare professionals must take care to ensure that the medication chamber—and the patient—remain upright and steady so that the medication will not spill out of the chamber.

Enter the NebuFlex Continuous Care Nebulizer with leveling technology. Functioning much like a flexible straw, the NebuFlex allows the patient to receive life-saving medication safely, continuously and comfortably in any position. That means patients can now be in any position of comfort, whether it's reclining, sitting in a tripod position, lying sideways, flat on their back, or even face down, and the NebuFlex will easily adjust to remain upright and level, providing uninterrupted respiratory medication delivery.

The Continuous Care Nebulizer portion, with its patented rapid medication port, won the top EMS Innovation Award at the National EMS show in 2009.





## SIPQuik Vacuum Cervical Splint

# Frequently Asked Questions

**Q. Does the SIPQuik Vacuum Cervical Splint address the medical communities concerns with the current rigid collars increasing injury to the patient?**

**A.** Yes, An Independent study has shown that the SIPQuik does NOT cause restriction of venous return or distraction of the neck.

**Q. Does the SIPQuik Vacuum Cervical Splint fit everyone?**

**A.** Yes, the SIPQuik is a "one size fits all" product, eliminating the need to size the patient or store many sizes. The SIPQuik fits small children, large football players as well as patients with Osteoporosis and Kyphosis.

**Q. Can you perform a Needle Cricothyrotomy with the SIPQuik Vacuum Cervical Splint?**

**A.** Yes, the needle Cricothyrotomy would be performed and the patient stabilized. Then the SIPQuik can be placed backwards with the chin opening in the back. The SIPQuik can then be deflated, and it performs the same in that position.

**Q. Can you perform an MRI or X Ray with the SIPQuik Vacuum Cervical Splint in place?**

**A.** Yes, the SIPQuik Vacuum Cervical Splint is designed to accommodate both X ray and MRI procedures by clamping the tubing and removing the Vacuum pump.

**Q. Is the SIPQuik Vacuum Cervical Splint Latex free?**

**A.** Yes, there is no Latex used in the production of the SIPQuik.

## NebuFlex

**Q. What are the benefits of the NebuFlex?**

**A.** The NebuFlex allows the treatment of the patient in all positions including supine. The flexible tubing levels the nebulizer bowl to enable the disbursement of the medication.

**Q. Does the NebuFlex decrease the effectiveness of treatment?**

**A.** There is no impact on the treatment of the patient with the NebuFlex. It allows the patient to be treated in a comfortable position with minimal supervision by medical staff. nebulizer bowl to enable the disbursement of the medication.

**Q. What makes the Continuous Care Nebulizer different than other nebulizers?**

**A.** The Continuous Care Nebulizer has a patented port on the side of each unit that allows for the administration of additional medication without discontinuing treatment.

**Q. Has the Continuous Care Nebulizer been tested for effectiveness?**

**A.** Yes, the Continuous Care Nebulizer has been thoroughly tested by the FDA and we have recieved 510K approval on the product.





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