Bulletin

SEADUC™ Suction Easy™ with SSCOR DuCanto Catheter®

EM Innovations Medical

Creative Answers with Simple Medical Products™

614.853.1504 - info@eminnovations.com

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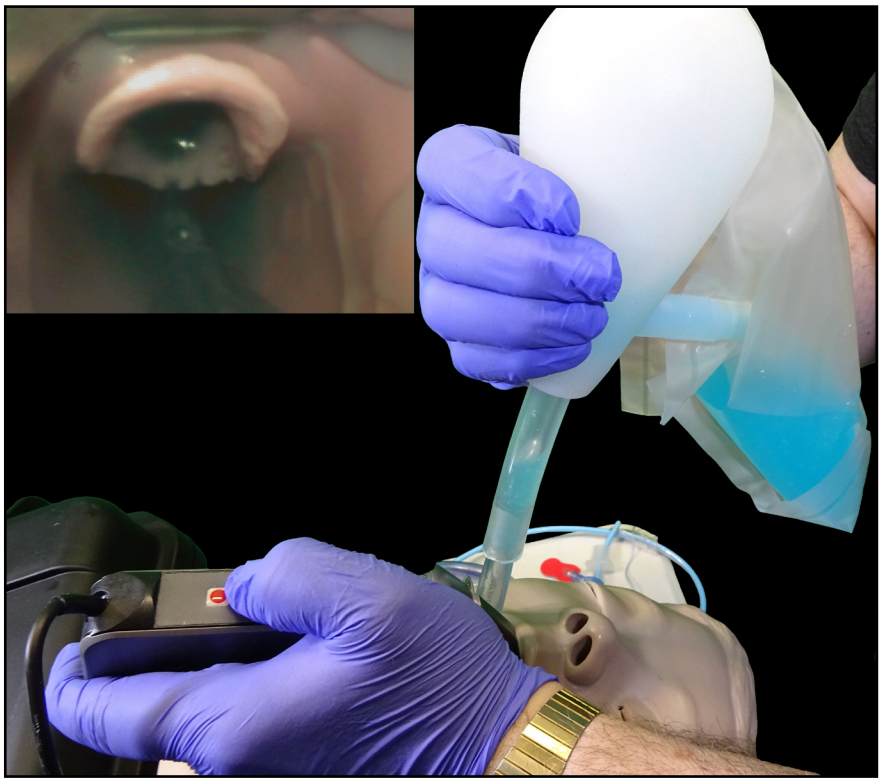
SEADUC

The SEADUC represents a confluence of off-the-shelf technologies in the form of the Suction Easy™ disposable emergency suction unit and the SSCOR DuCanto Catheter®, an anatomically shaped large bore suction catheter intended for prehospital, emergency medicine, critical care and anesthesiology use. The SEADUC concept evolved from an awareness of the need for affordable, effective and simple to use and maintain suction equipment to maintain instant readiness for resuscitation, and the high quality and effective tools available in the current marketplace. The simple operating mechanism of the Suction Easy™ is easy and intuitive in requiring a squeeze-and-release maneuver, and the large bore rigid suction catheter excels at superficial and deep suctioning of the oropharynx and hypopharynx as needed for optimal patient care.



S.A.L.A.D Technique

The combination of the Suction Easy™ suction unit and the SSCOR DuCanto Catheter® are intended to enable the performance of the SALAD technique with a disposable emergency suction unit, and indeed, represent the only option currently available to perform the SALAD technique without a battery operated suction unit, or the central suction system of an ambulance or hospital. The SALAD technique is a method of partnering the ability of a large bore rigid suction catheter to simultaneously decontaminate a soiled upper airway while assisting the performance of basic and advanced life support airway maneuvers (BLS and ALS airway maneuvers), such as placement of oropharyngeal airway, supraglottic/extraglottic airway, or laryngoscopy. ‘SALAD’ is an acronym for “Suction-Assisted Laryngoscopy (with simultaneous) Airway Decontamination,” which describes the cooperative use of the rigid plastic suction catheter to assist simultaneous airway decontamination with BLS and ALS airway maneuvers.

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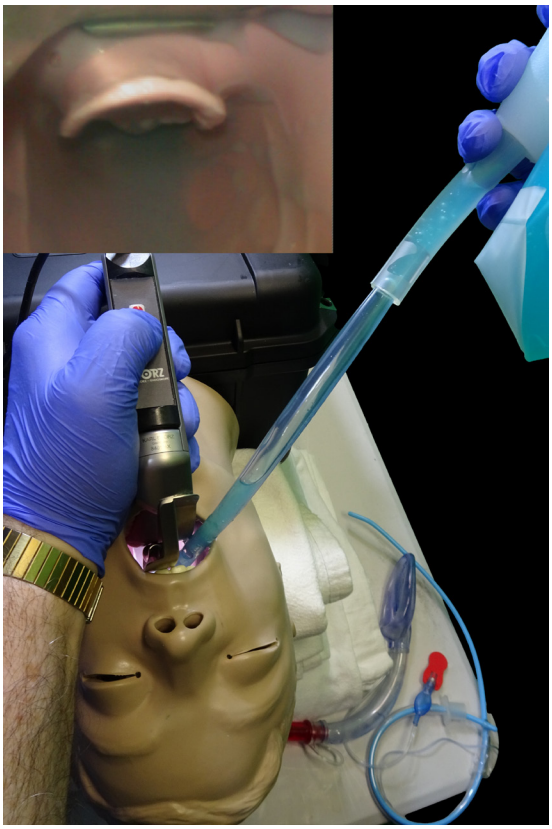

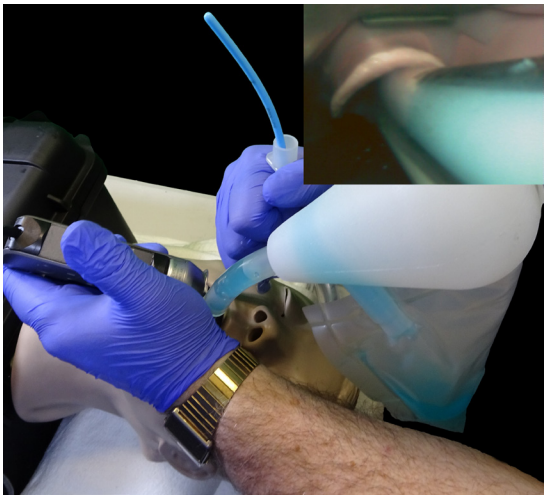

S.A.L.A.D Technique with Disposable Emergency Suction Unit

Excellent and high quality portable battery operated suction units represent the mainstay of airway decontamination equipment worldwide, however, due to the size, weight and cost, they are relegated to use in close proximity to patient care areas and ambulances, whereas lightweight, compact and affordable suction units such as the Suction Easy™ can be carried and used virtually anywhere a patient may require resuscitation. The combination of the Suction Easy™ suction unit and the SSCOR DuCanto Catheter® are intended to enable the performance of the SALAD technique with a disposable emergency suction unit, and indeed, represent the only option currently available to perform the SALAD technique without a battery operated suction unit, or the central suction system of an ambulance or hospital.

The SALAD technique requires the rescuer to suction the oropharynx thoroughly and deliberately, and then to pass the tip of the rigid suction catheter into the patient's hypopharynx while maintaining close contact with patient's base of tongue, so as to avoid trauma to the posterior pharyngeal wall and to not inadvertently enter the larynx with the tip of the suction catheter. The rigid suction catheter in this position is then used to create oropharyngeal and hypopharyngeal space for insertion of the BLS or ALS airway devices through a lifting of the base of tongue and distraction of the lower mandible in a lifting and pushing motion. During the performance of laryngoscopy, the SEADUC can be maneuvered to the left of the laryngoscope blade to maintain hypopharyngeal decontamination during laryngeal exposure and tracheal tube delivery (a procedure known as the "SALAD Park maneuver). Following insertion of a supraglottic/extraglottic airway or a tracheal tube, the SEADUC can be connected to a flexible suction catheter for decontamination of the lumens of these airways, or decontamination around an oropharyngeal airway (following the removal of the SSCOR DuCanto Catheter® and replacement with a suitable flexible suction catheter).

The inventor of the SEADUC is also the innovator that brought the SALAD technique, the Nasco Life/form® S.A.L.A.D. simulator as well as the SSCOR DuCanto Catheter® to the medical marketplace in 2016. Dr. James "Jim" DuCanto, M.D. is an Anesthesiologist in private practice for the past 22 years in Wisconsin who is, for lack of a better description, obsessed with airway management innovation and teaching, as well as integrative holistic medicine. Jim runs the Anesthesiology clerkship for medical students and residents at the Advocate-Aurora St. Luke's Medical Center in Milwaukee, Wisconsin as well as a small simulation center at that facility. His attitude toward work life balance is simple—"Balance is achieved when you take self-care seriously, and you do everything you can at work to learn and improve yourself." Stay frosty.

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