



**THE SOLUTION FOR
NEONATE, AND
MULTI- PATIENT
TRANSPORTS.**

**TESTED FOR FRONTAL,
REAR AND SIDE
IMPACT.**

Bimeco Group, Inc

770.631.7761

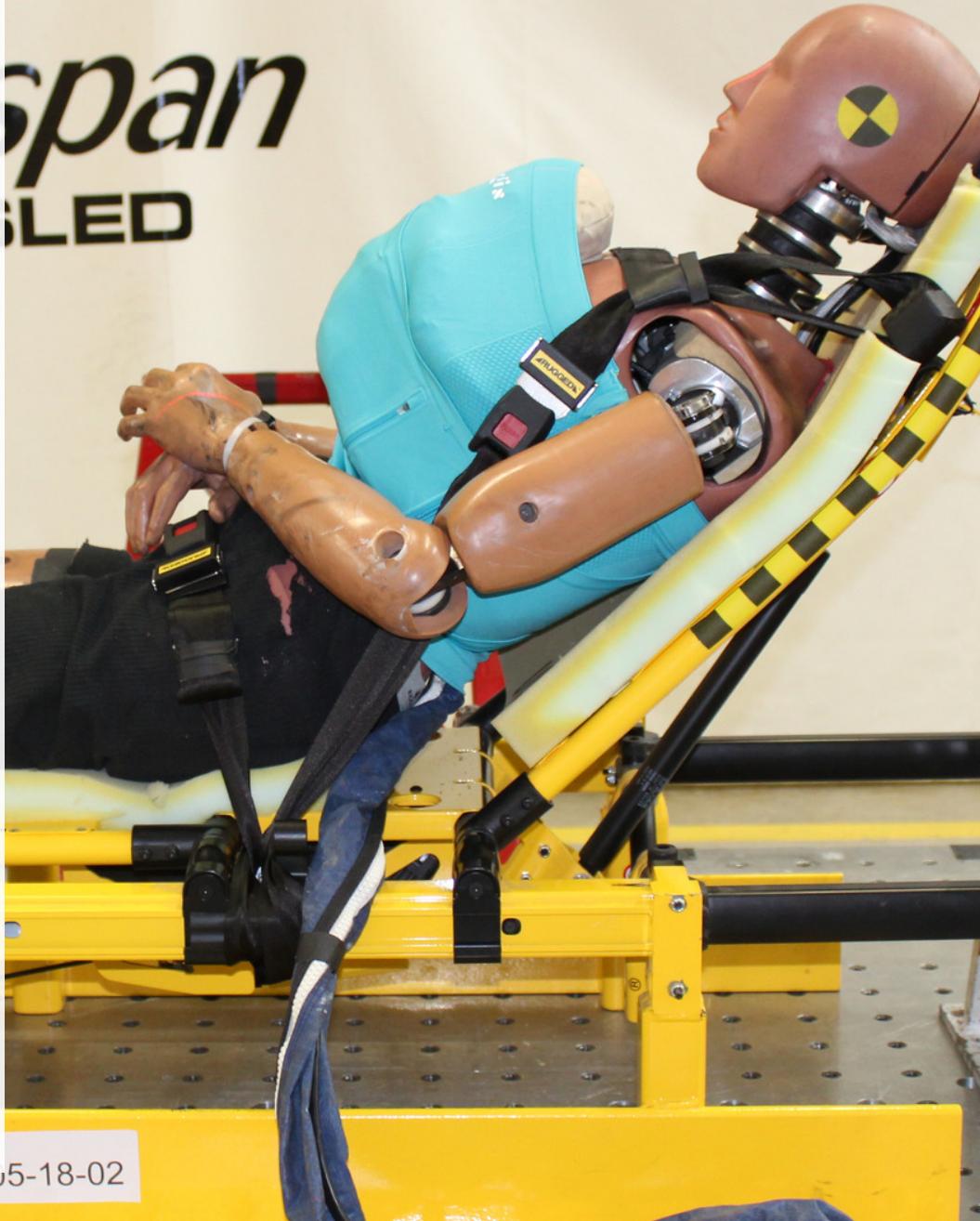
770.631.7793

customerservice@bimecogroup.com

FDA General Wellness
Product US and International

Patents

SA05-18-02



MULTI PATIENT TRANSPORT

Safely restraining newborn infants for ambulance transport is a critical challenge. Often, mother is restrained and newborn is held unrestrained.

However, NHTSA guidelines recommends individual transports, thus separating mother and newborn shortly after birth. An estimated 6,500 ambulance crashes involve pediatric patients annually.



is an innovative disposable harness system that significantly improves safety and security for newborns during multi-patient ambulance transports to minimize risk of injury. AEGIS provides close proximity for transport team to assess and continually monitor mother and newborn during transport.

AEGIS establishes the best-practice procedure by safely harnessing and restraining the newborn skin to skin with mother. This practice eliminates a separate transport alternative, which has been clinically proven to cause emotional distress.

CURRENT



Possible reasons for multi patient transfers.³

- According to the CDC, home births in the U.S. have increased 29% from 2004 to 2009.
- Complications with home birth requiring transport such as failure to progress, postpartum hemorrhage, perineal tears, neonatal resuscitation, IV therapy, pain relief, deep suctioning, positive pressure ventilation, endotracheal intubation, and CPR.

According to the NHTSA Working Group Best-Practice Recommendations²

"Please note: a child passenger, especially a newborn, must never be transported on an adult's lap.

Newborns must always be transported in an appropriate child restraint system. Never allow anyone to hold a newborn during transport."

"If possible, for multiple patients, transport each as a single patient according to the guidance shown for Situations 1 through 4."

"...a rear-facing-only seat will not safely secure a child in a rear-facing EMS provider's seat."

PROPOSED



According to the NHTSA Working Group Best-Practice Recommendations²

"Seat belt and restraint use for ALL ambulance occupants all of the time."

"Prevent forward motion/ejection, secure the torso and protect the head, neck, and spine of all children transported in emergency ground ambulances."

Considerations for Manufacturers:

"Develop products and provide instructions that improve correct and easier use of devices designed for ambulance use."

SAFE MULTI-PATIENT MOTHER/NEWBORN TRANSPORT

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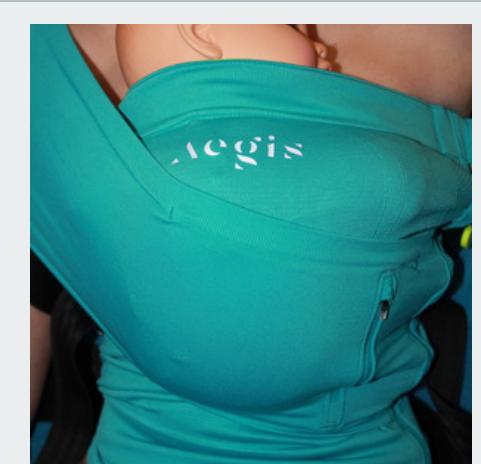
- Transport both patients with one ambulance and crew.
- Decrease mother and newborn stress.
- Suitable for newborns and early infants 4 to 14 lbs (1.8-6.3 kg).
- Skin to skin contact with mother increases healthy microbiome and breastfeeding success.
- Newborn's face is visible, easily monitor breathing by mother and transport team.
- Nanoguard supports newborn's head and neck.
- Pulls newborn limbs close to the torso in a frog-legged natural anatomical/in utero position.
- Harnesses entire newborn torso with 4-way stretch material.
- Quick emergency access 60 lb tested zipper with two sets of eye hook closures for added security.
- Easy access to neonate foot pulse oximeter.
- Allows tubes/lines to pass through.
- X-Static silver thread knitted throughout AEGIS provides the wrap with antimicrobial/anti-odor properties.
- X-Static Silver thread thermoregulatory properties keep newborn warm and helps reduce the risk of hypothermia.
- Transports newborn in inclined position.
- Moms chest acts as a support system like a rear-facing carseat to mitigate impact during a frontal collision.
- Unisex, single use item with 5 customizable sizes.
- Compact and easy to store in ambulance unit.
- Eliminates standard belt system that can pose harm to infant's organs in the event of an accident.
- Pocket for owners manual and instructions.

PHOTO GALLERY

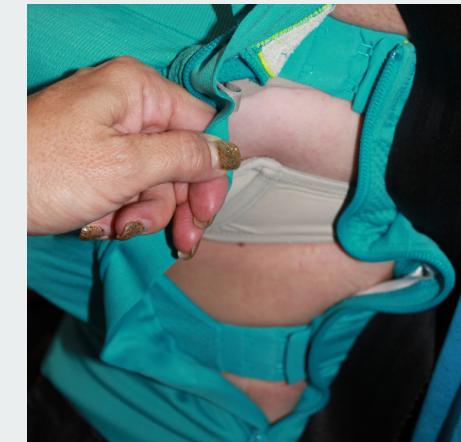
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X-Static silver thread thermoregulatory properties help maintain newborn's optimal body temperature and help reduce the risk of hypothermia.



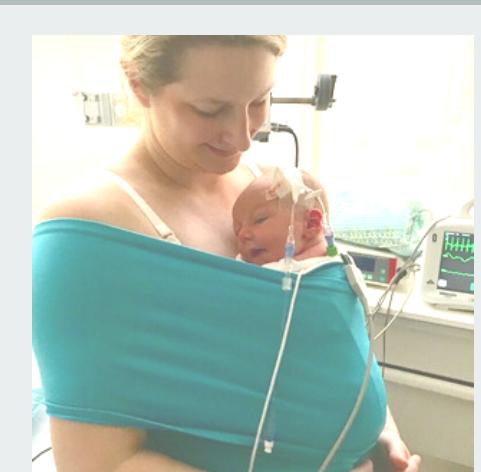
Nanoguard provides neck and head support. Newborn's face is visible to transport team.



Zipper and two sets of eye hook fasteners on the left side closest to the transport team provide quick access.



When newborn is removed from AEGIS, mother's chest is covered in tube top style wrap.



AEGIS does not interfere with tubes/lines for assessments, treatments and monitoring

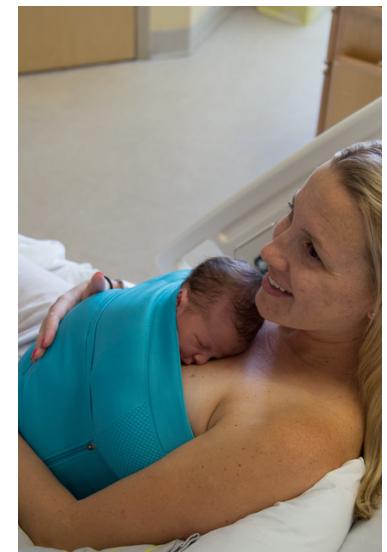


AEGIS is a compact single use item. No need for cleaning, or sanitizing which reduces loss of equipment.

BACKGROUND

The award-winning, patented, **AEGIS Neonate Medical Wrap** was originally designed for in-hospital use to:

1. Facilitate the safe hands-free skin to skin bonding for mother and newborn immediately after birth, throughout the hospital stay, and continued through the 28-day neonate phase.
2. Safely positions the newborn exactly as the American Academy of Pediatrics recommends for safe skin to skin bonding of healthy newborns.
3. Reduce the risk of accidental infant falls, suffocations, and sudden unexpected postnatal collapse (SUPC).



- FDA General Wellness Product/Medical Device
- JPMA Innovative Product of the Year - 2017
- Designed and Developed by EMT, Ambulance, and Labor and Delivery Healthcare Professional
- U.S. Women Owned Business

REFERENCES

1. The State of Pediatric Transport by Jason Busch September 30, 2014
<https://www.emsworld.com/article/12006854/pediatric-ambulance-restraint-recommendations>
2. Working Group Best-Practice Recommendations For the Safe Transportation of Children In Emergency Ground Ambulances. <http://nasemso.org/Committees/STC/documents/NHTSA-Safe-Transportation-of-Children-in-Ambulances-2012.pdf>
3. Home Births in the United States, 1990–2009 - <https://www.cdc.gov/nchs/data/databriefs/db84.htm>
4. Levick, N. R. (2002). New Frontiers in optimizing ambulance transport safety and crashworthiness. *The Paramedic*, 4:36-39.
5. Winters, G., & Brazelton, T. (2003). Safe Transport of Children. *EMS Professionals*, July-August 2003, 13-21.