



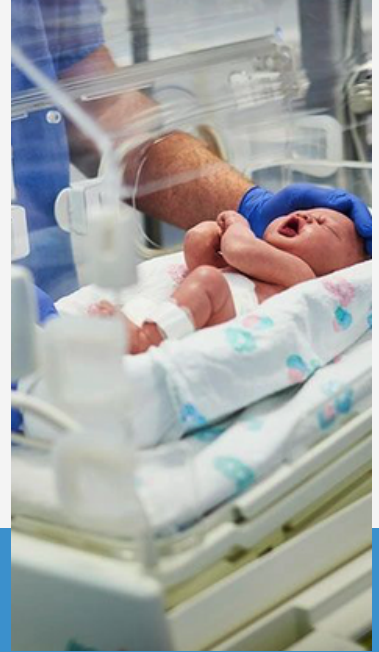
Echo Healthcare
INNOVATION SIMULATION EDUCATION

LIFECAST

BODY SIMULATION GLOBAL



**PRODUCT
CATALOG**



The World's Most Realistic Training Tools

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Echo Healthcare

INNOVATION SIMULATION EDUCATION

ABOUT US

Our mission at Echo Healthcare is to improve patient outcomes through innovation, education and technology.

Echo Healthcare has created a “circle of innovation” by bringing diverse product lines that compliment one another in a meaningful way and can grow as your programs expand.

We are redefining service and innovation by improving patient outcomes through training, education and technology.

Echo Healthcare was founded by a group of passionate simulation experts who bring over 40 years of simulation experience into the marketplace. We look forward to supporting your program!



OUR PRODUCTS

LIFECAST

BODY SIMULATION GLOBAL

About Lifecast Manikins:

Originally created at the world famous, Elstree Film & TV Studios in London, Lifecast's ultra-realistic manikins help create unrivaled emotional response and engagement, transforming the way medical simulation training is delivered and retained. The Lifecast manikin range includes Pre-Term & Full Term Babies, Children, Adults and Elderly Adult Manikins in a range of genders and ethnicities.

Echo Healthcare is the proud manufacturer of Lifecast manikins for North America, Central America and South America and the provider of ongoing support and maintenance of Lifecast manikins through the MeLiSA program.

The Echo Healthcare range of products include:

- Highly realistic manikins
- EchoMonitor simulated patient monitoring
- Immersive Interactive - virtual learning environments
- EchoMask
- SecondSkin
- 7-SIGMA airway trainers
- ERBoxSIM simulated ambulance
- Monivent Neo Training for newborn ventilation management
- Simulated Stethoscope
- Simulated Moulage
- MeLiSA Concierge Service & Support Program
- And much more!



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Senior Manikins



The Lifecast Body Simulation Senior Male and Female are highly accurate and lifelike elderly manikins modeled from the lifecast scans of real people. The Senior Female manikin is a Lifecast copy of Vivien Bridson, an actress starring in Star Wars VIII The Last Jedi, a dancer and trained psychologist. Pete, the Senior Male, in real life was an avid swimmer which accounts for his broad build. The Lifecast Seniors feature realistic details such as a CT imaging-based airway with an articulated mouth for ALS airway management, vasculature and hand-punched hair.

KEY FEATURES

- Stepwise airway management with articulated mouth, open nostrils, upper airway and lungs enabling bag-valve-mask (BVM), oropharyngeal airway, nasopharyngeal airway, supraglottic airway and ET tube intubation
- CPR compatible
- Removable Dentures
- Chest Needle Decompression: 2nd Intercostal Space & 5th Intercostal Space
- Bilateral Intraosseous Insertions in humeral head & tibia
- Closed Eyelids capable of manual opening (or Open Eyes are available as an Option)
- NG tube insertion and catheterization function (Option)
- Real hand punched hair plus body hair (genitalia), eye lashes and eye brows
- Multiple ethnicity options available



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Senior Manikins



In strict attention to detail, Senior manikins feature wrinkle texture, age spots and may come with unique skin tags. Add-ons such as edema, bed sores, varicose veins and much more are available to prepare for wound care and help simulate natural responses during simulated training.

Senior Male: Early 80s | 5'6" | 45Kg

Senior Female: Early 80s | 5'2" | 31Kg





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Adult Manikins



The Lifecast Body Simulation Adult Male and Female are highly accurate and lifelike adult manikins modeled from the lifecast scans of real people. The Lifecast Adults feature realistic details such as CT imaging-based airway with an articulated mouth for ALS airway management, vasculature & hand-punched hair. Lifecast manikins have an appropriate weight distribution and represent the average height of an adult for training and patient transfers. Available in a wide range of ethnicities, Lifecast builds simulation training tools that create emotional attachment and engagement amongst learners.

KEY FEATURES

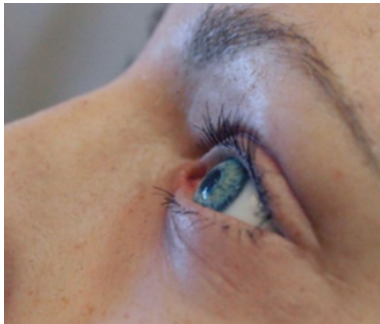
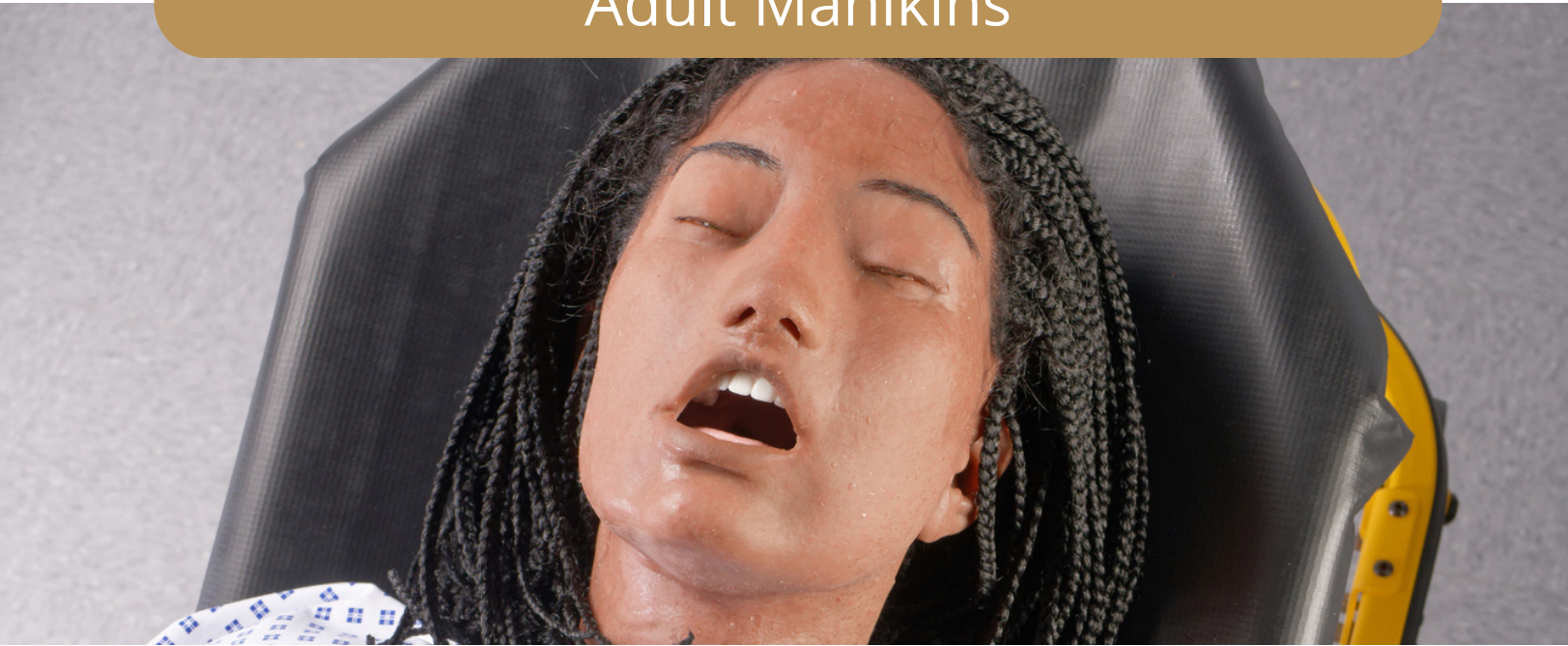
- Stepwise airway management with articulated mouth, open nostrils, upper airway and lungs enabling bag-valve-mask (BVM), oropharyngeal airway, nasopharyngeal airway, supraglottic airway and ET tube intubation
- CPR compatible
- Chest needle decompression: 2nd Intercostal Space & 5th Intercostal Space
- Bilateral Intraosseous Insertions in humeral head & tibia
- Closed eyelids capable of manual opening (or Open Eyes are available as an Option)
- NG tube insertion and catheterization function (Option)
- Real hand punched hair plus body hair (genitalia), eye lashes and eye brows
- Multiple ethnicity options available



LIFECAST

BODY SIMULATION GLOBAL

Adult Manikins



All Lifecast manikins come with the option for hand-punched hair. During this intricate process, our Special Effects Artists (SFX) individually stick hair by hand into the manikin and spend time perfecting the shape, direction and position of the hair to ensure a lifelike appearance. Hair thickness, color and texture are all key elements our artists use to select hair for various areas on the body.

Lifecast Adult Male: Mid 40s | 5'8" | 37Kg

Lifecast Adult Female: Late 20s/early 30s | 5'6" | 30Kg





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Teenage Manikins



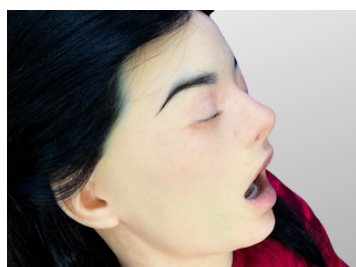
The Lifecast Body Simulation Teenage Female is produced from scans of a real person and mirrors the transitional life phase of a teenager. The Lifecast Teenager features realistic details such as CT imaging-based airway with an articulated mouth for ALS airway management, vasculature & hand-punched hair. Lifecast Body Simulation Global aims to prepare healthcare professionals for any situation one might encounter in the field.

KEY FEATURES

- Stepwise airway management with articulated mouth, open nostrils, upper airway and lungs enabling bag-valve-mask (BVM), oropharyngeal airway, nasopharyngeal airway, supraglottic airway and ET tube intubation
- CPR compatible
- Chest needle decompression: 2nd Intercostal Space & 5th Intercostal Space
- Bilateral Intraosseous Insertions in humeral head & tibia
- Closed eyelids capable of manual opening (or Open Eyes are available as an Option)
- NG tube insertion and catheterization function (Option)
- Real hand punched hair plus body hair (genitalia), eye lashes, and eye brows
- Multiple ethnicity options available



Lifecast Teenage Female: 16-18 years old | 5'4" | 30Kg





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Additions for Lifecast Manikins

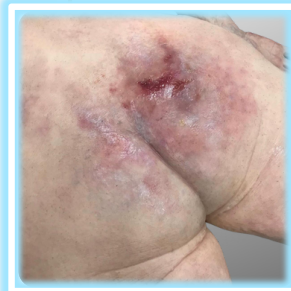
Discover the many options available to purpose-build your manikin to meet your training needs and boost diversity. There are numerous additions that you can incorporate to make your manikin unique and tailored to your training program.

Ulcers in various stages

Belly Button or umbilical cord

Stork Bite

Mongolian Spots

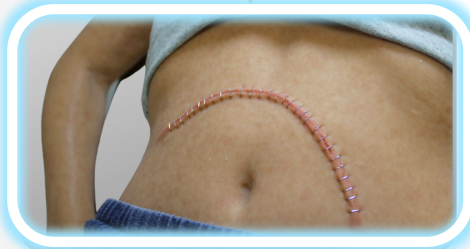


Cyanosis

Hernia

Skin tear

Surgical Scar



Surgical Staples

Rectal Opening

Varicose Veins

Tracheostomy

Central Line

Colostomy

G-Tube

Pacemaker

Mastectomy Scar



Laceration

Freckles

Specialized Eyes

(Cataract, bloodshot, dilated)

Skin Splotchiness/Rash

Keloid



Burns in various stages

Bruising in various stages

Sickly appearance

Hematoma on Eye

Trauma/accident

Additional IO access

Cellulitis on foot

Dialysis Shunt

Moles

Melanoma

& MORE!





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Child Manikins



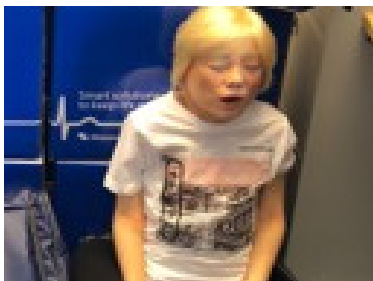
The Lifecast Body Simulation Child manikins are modeled from the lifecast scans of real children. The Lifecast child features realistic details such as CT imaging-based airway with an articulated mouth for ALS airway management, vasculature & hand-punched hair. Lifecast manikins have an appropriate height and weight distribution of a child for training and patient transfers and are the ideal hyper-realistic manikins to support your education and training needs.

KEY FEATURES

- Stepwise airway management with articulated mouth, open nostrils, upper airway and lungs enabling bag-valve-mask (BVM), oropharyngeal airway, nasopharyngeal airway, supraglottic airway and ET tube intubation
- CPR compatible
- Chest Needle Decompression
- Intraosseous Insertions in Tibia
- Hand punched hair plus body hair with eye lashes and eye brows
- Standard Weight for age

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Lifecast Child Female: 8 years old | 4'5" | 24Kg





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Child with Down Syndrome



THE WORLD'S FIRST TRULY INCLUSIVE MANIKIN

This first-of-its-kind manikin is a 3D scan of Gwen, a 7-year-old girl with Down syndrome (Trisomy 21) who lives in the UK with her dad, mum, and brother. The Gwen manikin has many common physical & anatomical traits of children with Down syndrome which allows healthcare providers an accurate means of clinical training. Gwen's mother hopes to diversify medical training based on a real fear- a medical professional who doesn't understand her daughter's vital needs! For this reason, Echo Healthcare prides themselves on providing the world's first Child with Down syndrome manikin for specialized training.

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Developed in partnership with



KEY FEATURES

- Difficult airway and smaller mouth for intubation
- CPR compliant
- Enlarged tongue
- Simian Crease- single transverse crease in hand
- Gapping in toes
- Smaller stature
- Almond-shaped eyes
- Smaller hands and feet
- IO access
- Ability to train on C1 and C2 Vertebrae Compliance - no head or neck tilt

Gwen in real life!



Lifecast Child with Down Syndrome: 7 years old





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Toddler



The Lifecast Body Simulation Toddler manikins are highly accurate and lifelike manikins modeled from the lifecast scans of real children. The Lifecast Toddlers feature realistic details such as CT imaging-based airway with an articulated mouth for ALS airway management, vasculature & hand-punched hair. The Toddler is available in a wide range of ethnicities and created to the weight and height of an average pediatric patient.

Lifecast Toddler manikins encourage more natural handling that creates emotional attachment and engagement amongst learners.

KEY FEATURES

- Stepwise airway management with articulated mouth, upper airway and lungs enabling bag-valve-mask (BVM), oropharyngeal airway, supraglottic airway and ET tube intubation
- CPR compatible
- Chest Needle Decompression
- Intraosseous Insertions in Tibia
- Hand punched hair plus body hair with eye lashes and eye brows
- Standard Weight for age - approx. 30 lbs (3 year old toddler)
- Multiple ethnicity options available



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Toddler

Thoracic Trauma Toddler

The world's first Toddler Manikin designed to simulate wet or dry lung drowning & thoracic bleeding.

A variant of the existing Lifecast Toddler capable of producing thoracic bleeding effects and associated respiratory challenges that such an injury brings.

Various thoracic foaming, bleeding and vomiting effects.



Our Lifecast manikins have natural appearances such as the replications of veins that appear to sit beneath the skin and vary in depth. Consider touches of true-to-life add-ons such as bruising, skin rash, surgical staples, and skin tears to add to your simulated scenarios.

Lifecast Toddler: 3 years old | 31.5" | 14 Kg

Lifecast Thoracic Trauma Toddler:

3 years old | 31.5" | 14Kg



Infant Manikins



The **Micro-Preemie Baby (22 weeks)**, **Premature Baby (28 weeks)**, **Newborn Baby (36 weeks +)** and the **Infant (3-6 months)** feature lifelike fine details such as vasculature & underlying structures. Based on scans of real babies, features such as the ability to cannulate an umbilical cord, an ALS compatible airway and hand punched real hair are available.

The realistic weight, skin and look encourage natural handling that creates emotional attachment and engagement amongst learners. The Lifecast infant manikins are available in a wide range of ethnicities and are created to an average weight and size.

KEY FEATURES

- Stepwise airway management with articulated mouth, upper airway and lungs enabling bag-valve-mask (BVM), oropharyngeal airway, supraglottic airway and ET tube intubation
- CPR compatible
- Umbilical Cord - ability to cannulate with flashback
- Vascular cannulation including scalp and pedal
- Multiple ethnicity options available



Infant Manikins



Echo Healthcare was committed to inclusivity from day one. Our expert artists formulated a line of skin tones to create any ethnicity you desire and created an array of additions to simulate a plethora of conditions. Add-ons such as Cyanosis, Stork Bite and sickly appearance can be used to further enhance realism.

Micro-Preemie Baby: 22-23 week gestation | 9.4" | 500grams

Premature Baby: 28-29 week gestation | 14.2" | 980grams

Newborn Baby: 36+ week gestation | 15.4" | 2.4Kg

Infant: 3-6 month old | 24" | 6Kg





PAIR THESE WITH YOUR LIFECAST MANIKIN



iSimulate



Monivent



TraumaSim- Simulated Wounds



Simulated Stethoscope

AVAILABLE ENHANCEMENTS:

iSimulate

Simulated patient monitoring to run clinical scenarios on your Lifecast manikin. A modular ecosystem incorporating a patient simulator, ventilator simulator, CPR feedback, simulated stethoscope and video A/V capabilities in a single system.



Stethoscope

Our simulated stethoscopes allow learners to auscultate Standardized Patients & manikins from a user-friendly interface. The sound library consists of high-quality sounds, allowing learners to become comfortable recognizing normal and abnormal sounds in their clinical training.



Monivent

Monivent Neo Training offers a unique training solution for maintaining and improving manual ventilation skills on newborns. Log and store training sessions to allow tracking of performance over time. Monivent pairs perfectly with our line of Lifecast Infants.





Echo Healthcare

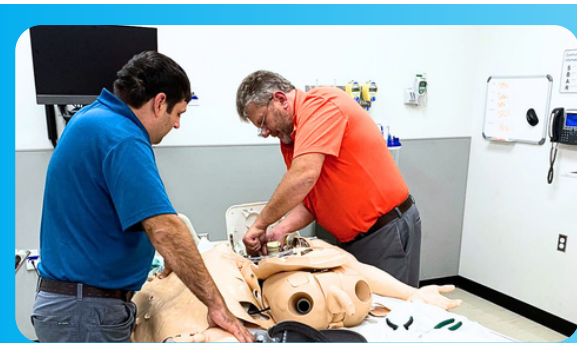
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CONCIERGE SERVICE & SUPPORT PROGRAM

ALL SIMULATORS- ALL EQUIPMENT - ONE PLAN

MeLiSA stands for Master Level Service Agreement and is an industry leading concierge simulation service and support program. Not only will it cover the maintenance of your **Lifecast Body Simulation Global** manikins, but all makes and models of simulators and equipment.



NOT A WARRANTY - SOMETHING BETTER

The typical manufacturer warranty takes into account anything & everything that may go wrong with your equipment and reflects it in the cost. MeLiSA is a concierge service and support program that provides you with responsive technical support and repairs of your equipment to keep your program operational.

ALL EQUIPMENT. ONE PLAN.

We know Lifecast Body Simulation manikins and Echo Healthcare products may not be the only equipment in your facility. That's why MeLiSA covers EVERYTHING!

Alleviate multiple contracts and keep it organized and easy under ONE plan that will save you thousands!



THE INDUSTRIES MOST RESPONSIVE SOLUTION

Rest easy knowing our Emergency Simulator Responders (ESRs) are there when you call. ESRs are well-versed in a majority of medical simulator operating systems, including both hardware and software. Call in for quick virtual support or to request parts, receive repairs onsite or send your equipment in to us to fix.



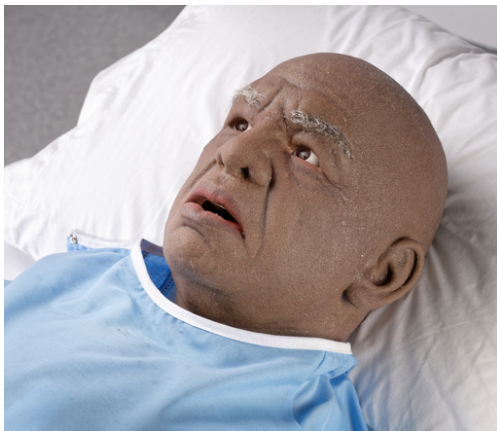
THE WORLD'S MOST TRUSTED SERVICE PARTNER



EXPLORE ECHO HEALTHCARE'S ADDITIONAL PRODUCTS



Immersive Interactive



EchoMask



SecondSkin



ERBoxSim

TRANSFORM YOUR SIMULATION PROGRAM

Immersive Interactive

Virtual and fully interactive multisensory learning environments. Immersive Interactive engages learners through sight, sound, smell and touch and makes them feel like they are in that exact environment. Create your own content to fit your training needs or pick from our expansive Immersive Studio selection of content.

EchoMask

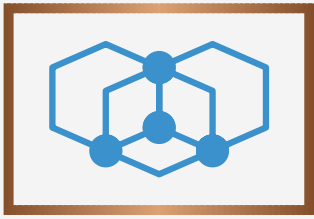
Designed to be worn by a standardized patient or your existing manikins. Enhance the realism of your simulators and diversify the learner experience. EchoMask gives you the option to change the gender, ethnicity and age of your current manikins to expand your patient profiles.

SecondSkin

Transform and diversify your patient simulators with the world's first, full body simulated human skin suit. Change the age, gender & ethnicity of your current manikins. SecondSkin pulls over your old manikins to cover all metal joints and plastic to give them a more authentic representation of a real human.

ERBoxSim

The world's only full hydraulic ambulance simulator. Revolutionary training for drivers and paramedics in simulated conditions including radical weather, poor road conditions, and an array of traffic scenarios. Customize your ERBoxSim Ambulance Simulator to match your agency or educational institution!



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