THE WORLD'S MOST

REALISTIC

TEACHING TOOLS

LIFECAST

·BODY SIMULATION·

Pre-Term Baby

The Pre-Term Baby features life like fine details such as veins and underlying structures. The Pre-Term Baby is available in wide range of ethnicities. Created to an average premature 28-29 weeks gestation weight and size, the Prem Baby encourages more natural handling, bringing a new level of realism to neonatal medical simulation training.

Standard Features:

- Weight 950g (approx.)
- Caucasian skin tone*
- Step wise airway management with Mouth, Upper Airway & Lungs enabling use of Bag Valve Mask, Supraglottic Airway & Endotracheal Tube.
- Umbilical Cord (can be cannulated)
- CPR compatible
- Closed eyelids
- No hair
- Carry bag

Options:

- Hand punched hair
- * Alternative ethnicities available

LIFECAST
BODY SIMULATION

Full Term Baby

Based on the scan of a real infant, the Full Term Baby features lifelike fine details such as veins and underlying structures as well as optional hair. Full Term Baby is available in wide range of ethnicities. Created to an average newborn weight and size, the Full Term Baby encourages more natural handling, bringing a new level of realism to neonatal medical simulation training.

Standard Features:

- **Weight 2.2Kg (approx.)**
- **Caucasian skin tone***
- **Step wise airway management with Mouth, Upper Airway & Lungs enabling use of Bag Valve Mask, Supraglottic Airway & Endotracheal Tube.**
- **Umbilical Cord (can be cannulated)**
- **CPR compatible**
- **Closed eyelids**
- **No hair**
- **Carry bag**

Options:

- **Hand punched hair**
- **Intraosseus access (Tibia)**
- *** Alternative ethnicities available**
- Dysplasia of the Hip examination function

New DDH Exam Option

Based on the Full Term Baby, this innovation allows clinicians to perform Barlow and Ortolani manoeuvres to check for Developmental Dysplasia of the Hip (DDH).

Created with help from the team at
The Royal Surrey Hospital in England.

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·BODY SIMULATION·

Infant

The Lifecast Body Simulation Infant is incredibly realistic and can be used for simulations involving an Infant from 3 to 6 months of age. Based on the scans of real Infants, the Lifecast Infant features lifelike fine details such as veins and underlying structures and can be supplied with hand punched hair (see Options below). Naturally Floppy - the Infant is incredible for challenging the perceptions of how a manikin should look and feel.

Standard Features:

- Caucasian skin tone*
- Height 60cm approx.
- Weight 5Kg approx.
- Step wise airway management with Mouth, Upper Airway & Lungs enabling use of Bag Valve Mask, Supraglottic Airway
- CPR compatible
- Carry bag

Options:

- Hand punched hair
- Intraosseous access (tibia)
- * Alternative ethnicities available

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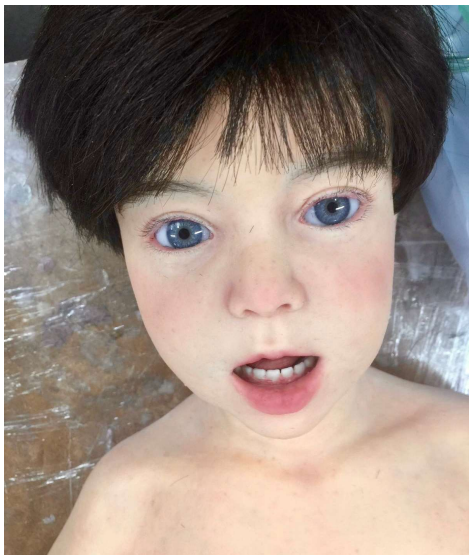
BODY SIMULATION



Toddler

The Lifecast Body Simulation Toddler is a highly accurate and lifelike young child's body (based on a 2-3 year old). Based on the scans and Lifecast of real Toddler, the Lifecast Toddler features lifelike fine details such as veins and underlying structures as well as hair. Naturally Floppy - the Toddler is incredible for challenging the perceptions of what a manikin should look and feel like, and allows for testing of systems such as broselow to establish appropriate care pathways.

Standard Features:

- Caucasian skin tone*
- Step wise airway management with Mouth, Upper Airway & Lungs enabling use of Bag Valve Mask, Supraglottic Airway
- CPR compatible
- Needle decompression (front)
- Closed eyelids with manual opening
- Hand punched hair
- Standard weight 14Kg (approx.)
- Carry bag

Options:

- Intraosseous access (tibia)
- * Alternative ethnicities available

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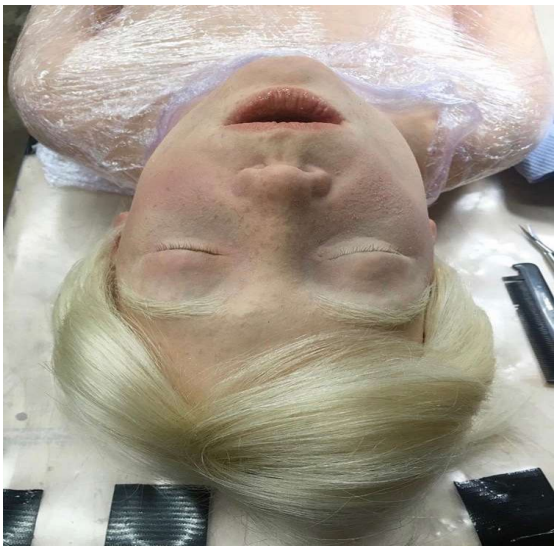
·BODY SIMULATION·



Child

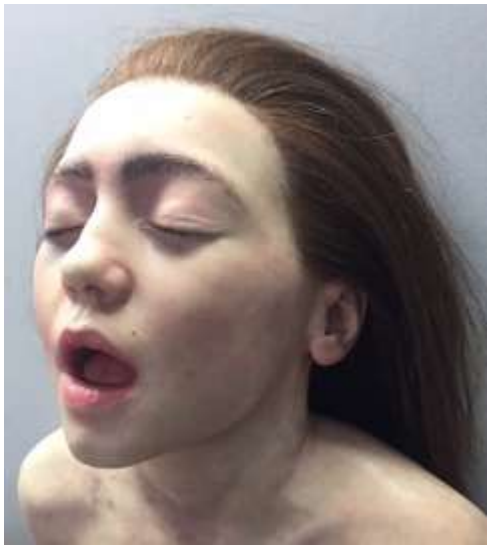
The Lifecast Body Simulation Child is a highly accurate and lifelike child's body (based on a 8-9 year old). Based on the scans and Lifecast of real Child, the Lifecast Child features lifelike fine details such as veins and underlying structures as well as hair. Naturally Floppy – the Child is incredible for challenging the perceptions of what a manikin should look and feel like, and allows for testing of systems such as broselow to establish appropriate care pathways.

Standard Features:

- Caucasian skin tone*
- Step wise airway management with Mouth, Upper Airway & Lungs enabling use of Bag Valve Mask, Supraglottic Airway
- CPR compatible
- Needle decompression (front)
- Closed eyelids with manual opening
- Hand punched hair
- Standard weight 18Kg (approx.)
- Carry bag

Options:

- Intraosseous access (tibia)
- * Alternative ethnicities available



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BODY SIMULATION

Adult Female

Lifecast Body Simulation Adult Female is a highly accurate and lifelike female adult body. Based on the scans and life casts of real people, the manikin features lifelike fine details such as veins, underlying structures, hair and a precise airway and articulated mouth for airway management. Created to a height and weight that allows for realistic handling, the Lifecast Adult Female helps create a truer emotional response that encourages more natural handling and brings a new level of realism to medical simulation training.

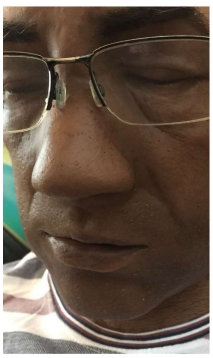
Standard Features:

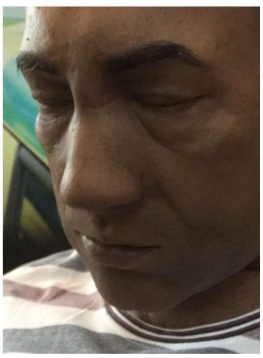
- Caucasian skin tone*
- Standard Specifications Include:
- Step wise airway management with Mouth, Nostrils, Upper Airway & Lungs enabling use of NP Airway, Bag Valve Mask, Supraglottic Airway and Endotracheal Tube.
- CPR Compatible
- Needle Decompression: 2nd Intercostal Space (Front) & 5th Intercostal Space
- Intraosseus Access - Bilateral Humeral Head & Tibia
- Closed Eyelids with Manual Opening
- Hand Punched Hair (Includes Body Hair)
- Standard Weight 30Kg (approx.)
- Transport Body Stretcher/Bag with Wheels

Options:

- Nasogastric Tube Insertion
- Catheterisation ability
- Bluetooth Speaker
- * Alternative ethnicities available

LIFECAST
BODY SIMULATION





Adult Male

Lifecast Body Simulation Adult Male is a highly accurate and lifelike female adult body. Based on the scans and life cast of a 50 year old male, the manikin features lifelike fine details such as veins, underlying structures, hair and a precise airway and articulated mouth for airway management. Created to a height and weight that allows for realistic handling, the Lifecast Adult Male helps create a truer emotional response that encourages more natural handling and brings a new level of realism to medical simulation training.

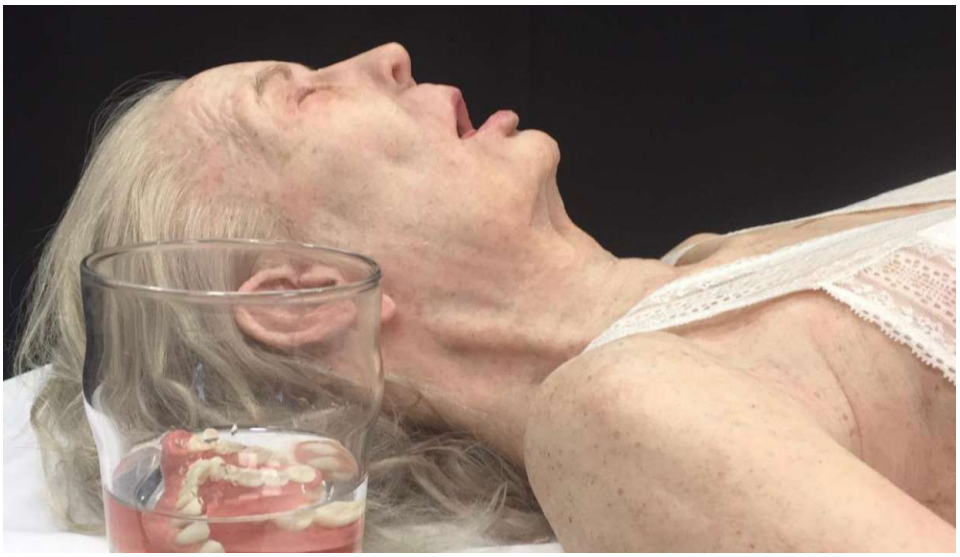
Standard Features:

- Caucasian skin tone*
- Standard Specifications Include:
- Step wise airway management with Mouth, Nostrils, Upper Airway & Lungs enabling use of NP Airway, Bag Valve Mask, Supraglottic Airway and Endotracheal Tube.
- CPR Compatible
- Needle Decompression: 2nd Intercostal Space (Front) & 5th Intercostal Space
- Intraosseus Access - Bilateral Humeral Head & Tibia
- Closed Eyelids with Manual Opening
- Hand Punched Hair (Includes Body Hair)
- Standard Weight 37Kg (approx.)
- Transport Body Stretcher/Bag with Wheels

Options:

- Nasogastric Tube Insertion
- Catheterisation ability
- Bluetooth Speaker
- * Alternative ethnicities available

LIFECAST
·BODY SIMULATION·



Elderly Female

The incredible realism of our Lifecast Elderly Female (82 years old) is based on the scans and life cast of a real lady. The manikin features lifelike fine details such as veins, underlying structures, hair and a precise airway and articulated mouth for airway management. Created to a height and weight that allows for realistic handling, the Lifecast Elderly Female helps create a truer emotional response that encourages more natural handling and brings a new level of realism to medical simulation training in elderly care.

Standard Features:

- Caucasian skin tone*
- Standard Specifications Include:
- Step wise airway management with Mouth, Nostrils, Upper Airway & Lungs enabling use of NP Airway, Bag Valve Mask, Supraglottic Airway and Endotracheal Tube.
- CPR Compatible
- Needle Decompression: 2nd Intercostal Space (Front) & 5th Intercostal Space
- Intraosseus Access - Bilateral Humeral Head & Tibia
- Closed Eyelids with Manual Opening
- Hand Punched Hair (Includes Body Hair)
- Standard Weight 30Kg (approx.)
- Transport Body Stretcher/Bag with Wheels

Options:

- Nasogastric Tube Insertion
- Catheterisation ability
- Bluetooth Speaker
- * Alternative ethnicities available

LIFECAST
·BODY SIMULATION·

Elderly Male

The incredible realism of our Lifecast Elderly Male (82 years old) is based on the scans and life cast of a real man. The manikin features lifelike fine details such as veins, underlying structures, hair and a precise airway and articulated mouth for airway management. Created to a height and weight that allows for realistic handling, the Lifecast Elderly Male helps create a truer emotional response that encourages more natural handling and brings a new level of realism to medical simulation training in elderly care.

Standard Features:

- Caucasian skin tone*
- Standard Specifications Include:
- Step wise airway management with Mouth, Nostrils, Upper Airway & Lungs enabling use of NP Airway, Bag Valve Mask, Supraglottic Airway and Endotracheal Tube.
- CPR Compatible
- Needle Decompression: 2nd Intercostal Space (Front) & 5th Intercostal Space
- Intraosseus Access - Bilateral Humeral Head & Tibia
- Closed Eyelids with Manual Opening
- Hand Punched Hair (Includes Body Hair)
- Standard Weight 30Kg (approx.)
- Transport Body Stretcher/Bag with Wheels

Options:

- Nasogastric Tube Insertion
- Catheterisation ability
- Bluetooth Speaker
- * Alternative ethnicities available

LIFECAST
BODY SIMULATION

Lifecast 'Specials'

As you can imagine, our creative team receives numerous requests to build manikins that reflect many different educational challenges, whether it be reflecting population diversity for medical simulation, helping deal with sensitive human factors issues relating to end of life care or in finding ways to maintain specific surgical skills.

The following recently introduced products reflect our desire and ability to meet these challenges.

Miscarriage Education Manikins

At Lifecast we believe in simulating the every-day occurrences and while it is estimated that 10/15% of pregnancies end in miscarriage, Miscarriage is rarely discussed.

Designed specifically for miscarriage education, our 8 week and 18 week gestation manikins help support this vital area of education.

Two of our Directors, (both senior Paramedic Educators), initially set out to develop these manikins to address earlier concerns about how miscarried babies were being transported by Pre-Hospital Emergency Care teams.

When exploring the education of paramedics and EMT's in relation to miscarriage, we were further concerned by some of the responses we gained from education teams around the world: *"we don't cover it because it's not in the curriculum guidance to be a paramedic"* and *"We only have a few days dedicated to midwifery in our curriculum so don't have the time"*

Our small pre-term manikins are used to teach and simulate the situations faced by mothers who suffer this occurrence in pregnancy and help eliminate the system failures and communication errors that can significantly increase the psychologically devastating impact suffered by bereaved families.

Our manikins enable and encourage you to test your systems within both EMS and Hospital settings to see how your staff manage such an event and to build clear pathways to manage these distressing occurrences.

Brompton Surgical Manikin

Developed in conjunction with the Royal Brompton Hospital, London, the new Brompton Surgical Manikin is designed to train the Paediatric Cardiothoracic surgical team in the management of various post-surgical complications and techniques including:

- Re-sternotomy
- Cardiac Tamponade
- Blocked chest drains

The manikin allows for cutting through skin sutures, clipping sternal wires, internal cardiac massage, pacing wire attachment, chest drain insertion and removal of clots.

The manikin can be used with a tablet based physiological parameter simulation programme (e.g. iSimulate) to provide monitoring of invasive & non-invasive blood pressure, capnography, ECG etc.

Based on a 3 year old child, this has been one of our biggest collaborative undertakings and we are proud to have had the opportunity to work closely with the SPRinT Team who will receive a profit share to fund on-going development of their world class Paediatric Care services.

SPRinT™
Simulated interPRofessional Team Training
Excellence in patient care through safety

For further information on the Lifecast Body Simulation range, please contact us:

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