

LIFECAST DOWN SYNDROME CHILD

Embrace Inclusivity with Our Down Syndrome Manikin

Introducing the world's first child manikin with Down syndrome by Lifecast Body Simulation. Developed in collaboration with the University of Greenwich and endorsed by the Down Syndrome Association, is a lifelike representation crafted from a meticulous 3D body scan of a seven-year-old girl named Gwen, who has Down syndrome. Through the utilization of Gwen's 3D scan, Lifecast Body Simulation has brought to life the Down syndrome manikin, also named Gwen.

Down syndrome (also called Trisomy 21) is a genetic disorder caused when abnormal cell division results in extra genetic material from chromosome 21. While varied amongst patients, a few common physical traits of some children who have Down syndrome are low muscle tone, a difficult airway for intubation, smaller stature, gapping in the toes, almond-shaped eyes, a single deep crease across the center of the palm, smaller hands and feet – all of which are accurately represented in the Gwen training manikin.

Gwen and her family are truly supporting such a worthy cause in creating awareness of Down syndrome and giving healthcare providers an accurate means of training while continuing to support diversity and inclusion in simulation-based education and training.

"Gwen is the world's first truly inclusive manikin. Our goal is to make manikins that look like real people. We worked with the University of Greenwich in the UK to create this manikin lifecast and 3D scan of Gwen, a 7 year-old girl who has Down Syndrome who lives in the UK with her dad, mum and brother." says David Halliwell, Founding Director of Lifecast Body Simulation Ltd.



LIFECAST DOWN SYNDROME CHILD

Key features:

- Difficult airway (smaller mouth opening)
- Single Transverse Palmar Crease
- Gapping in toes
- Low muscle tone
- Smaller stature
- Almond-shaped eyes
- Smaller hands and feet
- Intraosseous access
- CPR capable chest

