

**Technology Overview:**

It is a realistic medical premature infant mannequin. The mannequin is the size of an infant born at 26 weeks gestation and weighs approximately 1 pound 11 ounce. The mannequin has appropriate proportions and flexibility that mimics a preterm infant.

**Potential Applications:** Proper developmental positioning is an essential skill for neonatal intensive care unit nurses and this mannequin will allow them to practice and improve their skills in this area.

**Key Features & Benefits:** The mannequin will have the appropriate range of motion in all extremities and it will be able to be developmentally positioned in supine, prone, and side lying positions.

- The realistic mannequin is able to be manipulated and positioned in a developmentally appropriate way. It greatly benefit NICU nurses to get educated and trained in the neuroprotective positioning.
- The mannequin will help by being used as on-hand training paired with the Infant Positioning Assessment Tool (IPAT).



**Version 1 of a premature infant mannequin in an example.**  
**(The end goal is to have proportional and realistic mannequin)**



**A premature infant mannequin in supine position**

**Case ID:** ID2021-011

**IP Position:** US patent application  
**Title:** Medical Premature Infant Mannequin

**Development Status:** TRL 3-4: Basic technological components are integrated to establish that they will work together

**Opportunity:** Partners sought for development and prototype testing.

**Category(s):** Medical education and training mannequin

**Keywords:** Premature infant mannequin, infant positioning mannequin, preterm infant position training

**Contact Information:**

Antra Gajbhiye  
 Intellectual Property Specialist  
 San Jose State University  
 She, her/s

[antra.gajbhiye@sjsu.edu](mailto:antra.gajbhiye@sjsu.edu)  
 408-924-5462