BIRTHING SIMULATOR

Training Category/Level Utilized:
Medical/Level 1

Logistic Responsible Command, Service, or Agency:
PEO-STRI, Orlando FL

Source and Method of Obtaining:
Available through local TSC

Purpose of Trainer:
The Birthing Simulator provides a platform for the teaching of practical skills required for the successful management of childbirth. The simulator incorporates a number of features which enhance training.

Functional Description:
An anatomically correct bony pelvis in the mother (modelled from CT scan data), silicone pelvic floor musculature and a stretchable perineum. The baby is of newborn size and weight, is fully articulated, and features the correct anatomical landmarks such as fontanelles, clavicles and scapulae. In addition to being an all-round birthing simulator for all levels of training, this product was specifically designed to enable personnel to learn and practice the required actions necessary to manage shoulder dystocia, an unpredictable and largely unpreventable obstetric emergency. Obstetric brachial plexus injury (OBPI) is a serious neonatal complication of shoulder dystocia which may be associated with excessive traction applied during delivery1. The unique force monitoring baby incorporates a strain gauge linked to a computer for the measurement and recording of the force applied to the baby by the *accoucheur* during delivery. The PROMPT Birthing Simulator, with its force monitoring capability, has been used for training for obstetric emergencies. In addition to training for deliveries complicated by shoulder dystocia, this high fidelity birthing simulator realistically simulates normal delivery, in semi-recumbent and 'all fours' positions, as well as vaginal breech and instrumental (forceps and ventouse) deliveries.

Physical Information:
Size: 23" x 14" x 7"

Equipment Required, Not Supplied:
None

Special Installation Requirements:
None

Power Requirements:
No power required

Applicable Publications:
Commercial Off-The-Shelf (COTS) Manuals

Reference Publications:
None

Training Requirements Supported:
MOS Enlisted Personnel MOSC 68W