SimMom is an advanced full body birthing simulator with accurate anatomy and functionality to facilitate multi-professional obstetric training of delivery management.

**FEATURES:**

*Deliveries & drills:*
- Normal delivery
- Breech presentation
- Assisted deliveries
  - Forceps
  - Vacuum
- Shoulder dystocia
- Cord prolapse
- Eclampsia & pre-eclampsia
- Maternal collapse
- Post-Partum Hemorrhage
- Sepsis
- Uterine inversion
- Ruptured uterus

*Pelvic components:*
- Atonic uterus modules (for PPH, uterine inversion and retained placenta)
- Fluids (e.g. blood, stained amniotic fluid and urine)
- Urine catheterization/ instillation

*Movement:*
- Seizure
- Able to position on all fours:
  - Realistic rotation of the shoulder and hip joints
  - Legs bend at the knees
  - Arms bend at the elbow
Other positions:
- Supine
- Semi-recumbent
- Left lateral
- Legs in stirrups
- McRoberts position

Airway:
- Obstructed airway
- Tongue edema
- Right lung, left lung and both lung blockage
- Head tilt/Chin lift
- Jaw thrust
- Suctioning techniques (oral and nasopharyngeal)
- Bag-Valve-Mask ventilation
- Oropharyngeal and nasopharyngeal intubation
- Combitube, LMA and other airway device placement
- Endotracheal intubation (ET)
- Retrograde intubation
- Nasal and oral Fiberoptic intubation
- Trans-tracheal jet ventilation
- Right main stem intubation
- Surgical and needle cricothyrotomy
- Chest tube insertion

Breathing:
- Simulated spontaneous breathing
- Variable respiratory rates
- Bilateral and unilateral chest rise and fall
- Normal and abnormal breath sounds
  - 4 anterior auscultation sites
  - Bilateral mid-axillary sites

Circulation:
- BP measured manually by auscultation of Korotkoff sounds
- Bilateral carotid and brachial pulse, radial (right side only) pulses synchronized with ECG
- Pulse strength variable with BP
- Pulse palpation is detected and logged

Cardiac:
- Extensive ECG library
- Heart sounds synchronized with ECG
- ECG rhythm monitoring
- 12 lead ECG display
- Defibrillation and cardioversion
- Pacing

Vascular Access:
- Pre-ported IV access (both arms)
- Subcutaneous and intramuscular injection sites
**Chest Compressions:**
- CPR compressions generate palpable pulses, blood pressure wave form, and ECG artifacts
- Detection and logging of a series of compressions

**Other features:**
- Bowel sounds and fetal heart rate (not at the same time)
- Interchangeable pupils (normal, blown and constricted)
- Patient Voice
  - Pre-recorded sounds
  - Custom sounds
  - Instructor can simulate patient’s voice wirelessly