

Improving Maternal Morbidity & Mortality with OBRN ACLS

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Purpose & Description

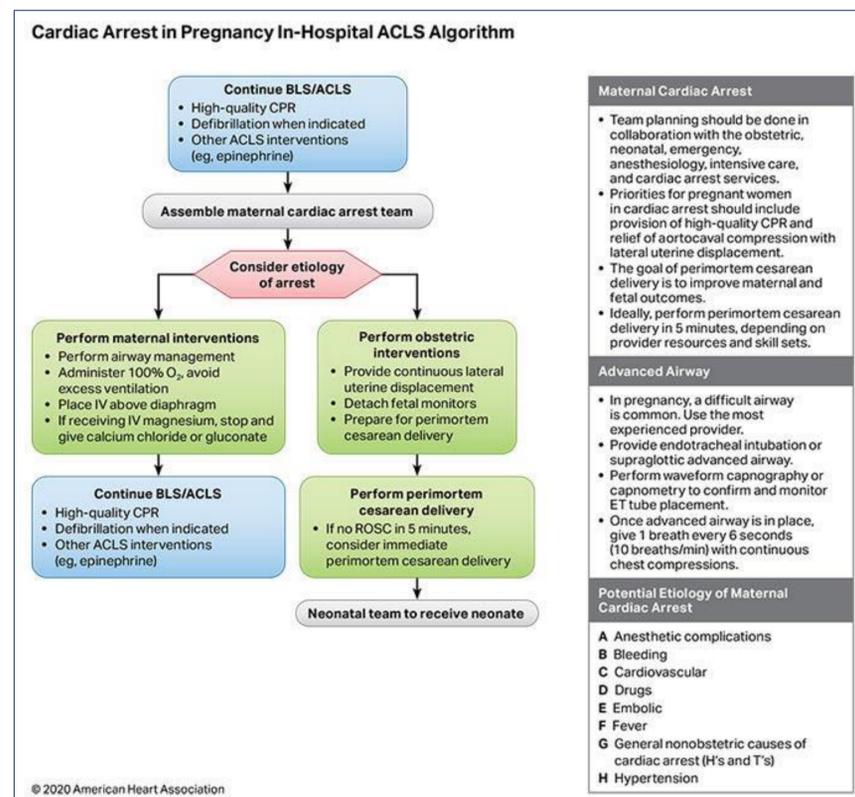
Are the labor staff at your facility ready to save the lives of an obstetric (OB) patient and baby with the skills they obtain from Advanced Cardiac Life Support (ACLS)?

- 2016-2018 ACLS taught to OB registered nurses (RN)
- Need for additional education for OB emergencies recognized
- Physiological changes & increase in :
 - Obesity
 - Hypertension
 - Diabetes
- Advanced maternal age

Development & Implementation

- OB RN with ACLS instructor license sent to a modified ACLS instructor course for the OB patient
- Developed **OBRN ACLS** course for all OB staff
 - Real-time pregnancy scenarios
 - Multi-disciplinary team collaboration
 - OB provider
 - Pediatric hospitalist
 - Neonatal Intensive Care (NICU) RN
 - OB RN
 - Anesthesia provider
 - Additional information on
 - Cardiac arrest in pregnancy
 - Cardiopulmonary resuscitation (CPR) modifications
 - Delivery of baby within 5 minutes
 - Perimortem cesarean section delivery kit

Application in Practice



Evidence-Based Practice

According to the American Heart Association (2021), one in 12,000 obstetric patients experiences a cardiac arrest each year. Globally, there are around 800 obstetric deaths every day. These deaths have steadily increased since 1989 from 7.2 per 100,000 births to 17.8 per 100,000 births in 2009. Nationwide there is a lack of awareness and responsiveness at hospitals of all sizes which may contribute to the increase in maternal morbidity and mortality rates (Young, 2018).

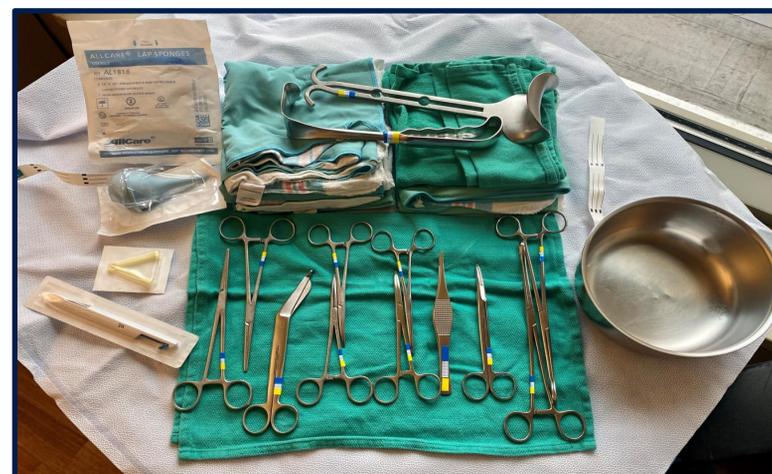
Outcomes

- First OBRN ACLS course taught in Sept. 2018
 - 64 OB RNs have completed
 - 94% extremely satisfied with course
 - Improved preparedness & confidence

Project Evaluation

- Ongoing assessment of each course
- Course evaluations by attendees
- Course modifications as necessary

Perimortem Cesarean Section Kit



Scan the QR Code for References & Contact Information