

Fundamental Critical Care Support Obstetrics Course Agenda

DATE AND TIME: August 27 and 28, 2026, 7:30AM to 4:30PM

LOCATION: Texas Children's Pavilion for Women, 4th floor conference room

COURSE DIRECTORS: Amir Shamshirsaz, MD, Trevor Quiner, MD, MSc and Muhammad Asim Siddique, MD

COURSE CONSULTANT: Mindy D. Madison, ACNP-BC

COURSE OBJECTIVES:

- Describe physiological changes during pregnancy and the clinical implications
- Identify and manage obstetric emergencies including hemorrhage, hypertensive disorders, and cardiopulmonary collapse
- Demonstrate optimal maternal CPR and difficult airway management in the pregnant patient Apply appropriate steps in fetal assessment, delivery considerations, and neonatal management
- Participate effectively in interdisciplinary obstetric rapid-response scenarios

Pre-Course Modules: Fundamental Critical Care Support Site

- Management of Delivery and the Newborn
- Fetal Evaluation and Fetal Concerns in the Serious Ill Pregnant Patient

DAY 1

AUGUST 27, 2026

TIME	SESSION	PRESENTER
7:30A	REGISTRATION (PFW 4 TH Floor, then transition to Taussig Auditorium - 16th floor Legacy Tower)	
8:00A	Welcome Announcements and Course Overview	Muhmmad Asim Siddique, MD Amir Shamshirsaz, MD
8:15A	Physiologic Changes in Pregnancy	Onur Turkoglu, MD
8:35A	Preeclampsia and Eclampsia	Amir Shamshirsaz, MD
8:55A	Sepsis in Pregnancy	Sergio Trevino, MD
9:15A	Cardiac Conditions in Pregnancy	Angeline Opina, MD
9:35A	Q&A Session	
9:55A	BREAK	
10:15A	Obstetric Hemorrhage	Alex Saucedo, MD
10:35A	Hemodynamic Monitoring	Chris Morgan, MD
10:55A	Airway Management in the Pregnant Patient	Maria Sheikh, MD, MPH
11:15A	Pregnancy-Related Acute Kidney Injury (AKI)	Hendrik Lombaard, MD
11:35A	Q&A Session	
11:50A	LUNCH - PFW- 4 th floor	

DAY 1 - CONTINUED
AUGUST 27, 2026

TIME	SESSION	PRESENTER
1:00P	Simulation/Skill Stations (PFW 4th floor) • Management of Severe Preeclampsia and Eclampsia • Sepsis • Postpartum Hemorrhage/Massive Transfusion Protocol • Delivery and Neonatal Resuscitation (NRP)	Christina Anton, RN; Jairo Barrantes, MD; Tara Barrick, MSN; Delinda Castillo, RN; Megan Dean, RN; Sarah Detlefs, MD; Carey Eppes, MD; Sheena Glover, RN; Aquira Johnson, APP; Stephen Krause, RN; Brennan Lang, MD; Hennie Lombaard, MD; Dawn Miranda, RN; Morgan Parrish, RN; Jennifer Phillips, RN; Emily Root, MD; Alex Saucedo, MD; Hannah Schroeder, RN; Amir Shamshirsaz, MD; Muhmmad Asim Siddique, MD; Pauline Teng, APP; Sarah Tounsi, MD; Sergio Trevino, MD; Ana Vogler, MSN, APRN, FNP-C
4:00P	Q&A Session	
4:15P	Day 1 Wrap-Up	

DAY 2
AUGUST 28, 2026

TIME	SESSION	PRESENTER
7:30A	REGISTRATION (PFW 4TH Floor)	
8:15A	Skill Station: Obstetrical Hemorrhage • IO Placement • Rapid Infuser • Postpartum Hemorrhage Cart • Bakri Balloon • Jada System	
9:15A	BREAK/Transition to Taussig Auditorium (16th floor Legacy Tower)	
9:40A	Transport of the Critically Ill Pregnant Patient	Muhmmad Asim Siddique, MD
10:00A	Neurocritical Care in Pregnancy	Avni Kapadia, MD
10:20A	Thromboembolism Disease and Pregnancy	Jairo Barrantes Perez, MD
10:40A	Nonobstetric Surgical Emergencies	Carey Eppes, MD, MPH
11:10A	Mortality and Maternal Cardiac Arrest	Sarah Detlefs, MD, MS
11:30A	Mechanical Ventilation in the Pregnant Patient	Chris Howard, MD, FCCP
11:50A	Q&A Session	
12:00P	LUNCH (PFW 4th floor)	
1:00P	Simulation/Skill Stations (PFW 4th floor) • Cardiopulmonary Arrest in Pregnancy • Airway Management/Mechanical Ventilation • Point of Care Ultrasound (POCUS)	Christina Anton, RN; Jairo Barrantes, MD; Tara Barrick, MSN; Delinda Castillo, RN; Megan Dean, RN; Sarah Detlefs, MD; Carey Eppes, MD; Sheena Glover, RN; Aquira Johnson, APP; Stephen Krause, RN; Brennan Lang, MD; Hennie Lombaard, MD; Dawn Miranda, RN; Morgan Parrish, RN; Jennifer Phillips, RN; Emily Root, MD; Alex Saucedo, MD; Hannah Schroeder, RN; Amir Shamshirsaz, MD; Muhmmad Asim Siddique, MD; Pauline Teng, APP; Sarah Tounsi, MD; Sergio Trevino, MD; Ana Vogler, MSN, APRN, FNP-C
4:00P	Day 2 Wrap-Up	

Fundamental Critical Care Support Obstetrics Course Simulation Schedule

DAY 1

AUGUST 27, 2026

Participants will be divided into different groups to rotate through each station.

GROUPS: Red, Green, Blue, Black, Orange, Purple

STATIONS: Ai, Aii, B, C

The goal of simulation is to create a safe, realistic learning environment where healthcare providers can practice and improve care to patients and newborns without risk to real patients.

DURATION: 3.0 hours

EACH STATION: 50 minutes then 10 minutes to rotate

TOTAL PARTICIPANTS: 100 people/group, 12-17 people/station

STATION	GOALS AND OBJECTIVES
Hypertension/Eclampsia Red group will start here	Review escalation and management for patients with hypertensive emergency and eclampsia
Neonatal Resuscitation (NRP) Green group will start here	Practice neonatal resuscitation for the first 5 minutes after delivery
Sepsis (Two stations) Blue group and Orange group will start here	Review identification, escalation, team huddle, and multidisciplinary management for sepsis in pregnancy
Postpartum Hemorrhage (PPH) and Massive Transfusion Protocol (MTP) (Two stations) Black group and Purple group will start here	- Identify and manage PPH that leads to MTP - Review MTP activation, choreography, and monitoring

Participants will be divided into different groups to rotate through each station.

GROUPS: Red, Green, Blue, Black, Orange, Purple, Pink, Yellow, Light Blue, Salmon

STATIONS: A, B, C

The goal of simulation is to create a safe, realistic learning environment where healthcare providers can practice and improve care to patients and newborns without risk to real patients.

DURATION: 3.0 hours

EACH STATION: 50 minutes then 10 minutes to rotate

TOTAL PARTICIPANTS: 100 people/group, 10-12 people/station

STATION	GOALS AND OBJECTIVES
Point of Care Ultrasound (POCUS) (Four stations) Red, Green, Blue, Black will start here	Review point of care ultrasound for cardiac, pulmonary and abdominal evaluation
Maternal Cardiac Arrest (MCA) (Two stations) Light Blue, Salmon will start here	Review the first five minutes of cardiac arrest, high quality CPR, early defibrillation for shockable rhythm and team communication strategies
Airway management (Four stations) Orange, Purple, Pink, Yellow will start here	Review common oxygen delivery methods, use of Bipap/HFNC and basic of mechanical ventilation/ventilator set up