



## Laerdal-SonoSim Ultrasound Solution

### **Early Stage Pregnancy Bundle**

The Early Stage Pregnancy Bundle is a set of 10 Early Stage Pregnancy Scenarios for use with LLEAP, extensive scenario support materials, and accompanying hands-on ultrasound scanning cases designed to assess and train healthcare providers and senior medical students in the care of pregnant patients.

The Early Stage Pregnancy Bundle is designed specifically for the Laerdal-SonoSim Ultrasound Solution, which integrates simulated diagnostic ultrasound capacity from SonoSim into the Laerdal patient simulator platform, SimMom<sup>®</sup>. The Laerdal-SonoSim Ultrasound Solution delivers realistic and challenging scenario-based simulations designed to promote proficient critical thinking and clinical decision-making skills. For participants, it provides the opportunity to utilize gynecology and obstetrics knowledge and practice common procedures used in treating critically ill patients in a challenging but risk-free environment.

# The Laerdal-SonoSim Ultrasound Solution

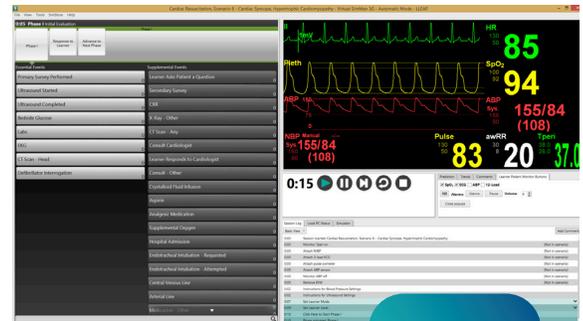
## Early Stage Pregnancy Bundle

### Description

The Early Stage Pregnancy Scenarios are designed to assess a learner's ability to care for pregnant patients who present with a variety of medical conditions. Learners will have the opportunity to perform a point-of-care ultrasound examination, with 6 imaging windows from real-patient cases for each Scenario. Consequently, learners are provided with significant exposure to normal and pathologic RUQ, LUQ, suprasternal, IVC, and uterine ultrasound images. Learners will need to develop an appropriate differential diagnosis, initiate timely resuscitative interventions, prioritize diagnostic interventions, order appropriate basic laboratory tests, and correctly acquire, interpret, and apply point-of-care ultrasound findings towards medical decision-making. Participants must formulate a patient-care plan that effectively utilizes health-system resources and personnel, and ensures optimal patient outcomes.

### Early Stage Pregnancy Scenarios

- Scenario 1: Ovarian Torsion, Pregnancy of Unknown Location
- Scenario 2: Acute Calculous Cholecystitis, Threatened Miscarriage, Viable First-Trimester Pregnancy
- Scenario 3: Ectopic Pregnancy, Complex Left-Adnexal Mass, Dehydration
- Scenario 4: Threatened Miscarriage, Viable First-Trimester Twin Gestation, Dehydration
- Scenario 5: Obstructive Uropathy from Ureteral Calculus, Intrauterine Pregnancy of Uncertain Viability
- Scenario 6: Ruptured Ectopic Pregnancy
- Scenario 7: Acute Pericarditis, Viable Second-Trimester Intrauterine Pregnancy
- Scenario 8: Hemoperitoneum, Hemorrhagic Shock
- Scenario 9: Uremic Pericarditis with Cardiac Tamponade, Threatened Miscarriage First-Trimester Pregnancy
- Scenario 10: Septic Miscarriage causing Severe Sepsis



### Ultrasound Findings

In the Early Stage Pregnancy Bundle, significant gynecologic and obstetric ultrasound findings include a gestational sac with yolk sac, live first-trimester intrauterine single and twin pregnancies, live second trimester intrauterine pregnancies, ectopic pregnancies, intrauterine debris consistent with retained products of conception, and both ovarian and adnexal complex cystic masses. Obstetrical calipers offer learners the ability to obtain crown-rump length (CRL) and gestational sac (GS) measurements. Learners can also visualize on ultrasound pericardial effusions, hyperdynamic hearts, IVC findings supportive of low intravascular volume, nephrolithiasis and moderate hydronephrosis, abnormal renal parenchyma, gallstones and a thickened gallbladder wall, and free fluid in the hepatorenal, splenorenal, and rectouterine spaces.



### Ordering Information

390-10061 Early Stage Pregnancy Bundle  
Includes: 10 Early Pregnancy Case 10 Early Pregnancy Scenarios

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