PROGRAMED SCENARIOS FOR THE ADULT SIMULATOR: “STAN”

[Note: these scenarios can be altered to suit an instructor’s needs and serve often as a good starting point.]

**Respiratory**
- Occlusion negative pressure pulmonary edema
- Difficult masking and delayed emergence
- Tension pneumothorax
- Pulmonary edema
- Bronchospasm
- Can not intubate & can not ventilate
- Venous embolism
- Amniotic fluid embolism
- Fat embolism
- Occlusion negative pressure pulmonary edema
- CO2 embolism
- Spontaneous pneumothorax
- Suctioning and hypoxemia
- Treating ARDS—PEEP titration
- COPD with CO2 retention
- Bronchospasm on ventilator
- Dysfunctional chest tube
- Extubation and stridor
- Extubation criteria
- Hypoxic drive elimination
- Incompetent exhalation valve

**Cardiac and perfusion:**
- Hypotension and ischemia
- Hypertension and tachycardia
- SVT and resolution
- Hypertension and tachycardia
- Acute coronary syndrome
- Acute ischemic CVA
- Asystole
- Atrial fibrillation and junction tachycardia
- Bradycardia—Responsive
- Bradycardia—Refractory
- PEA
- Respiratory Arrest
- SVT and V-tach
- Ventricular fibrillation---for AED
- Ventricular fibrillation and V-tach
- V-tach responsive
- V-tach refractory
- Unstable Atrial fibrillation
- Cardiac catheterization
- CHF with acute pulmonary edema

**Medical**
- transfusion reaction
- Anaphylaxis and hypotension
- Splenic rupture
- Autonomic dysreflexia
- Elevated ICP
- Malignant hyperthermia
- Worsening sepsis
- Equipment malfunction
- IM nail of femoral head.
- Asthma attack
- Control of ICP with hyperventilation
- Diabetic coma (DKA)
- End stage renal disease
- Gastrointestinal bleeding
- Insulin shock
- Removal of chest tube

**OB**
- Aminotic fluid embolism
- Epidural
- Induction
- Preeclampsia—Epidural
- Preeclampsia—Induction
- Pulmonary Aspiration
- Supine hypotension syndrome
- Venous air embolism

**Anesthesia**
- AAA Aortic clamping
- AAA Aortic unclamping
- AAA induction----rigid chest
- Anaphylaxis
- Bradycardia and hypotension
- Bradycardia and Normotension
- Cannot intubate, can ventilate
- Can not intubate, can not ventilate
- Cardiac Tamponade
• Emergence—apnea
• Emergence—hypertension
• Emergence—larynospasm
• Emergence—negative pressure pulmonary edema
• Emergence—routine
• Epidural—high spinal
• Epidural—IV injection
• Epidural—sympathectomy
• HML—ARDS—PEEP titration
• HML—congestive heart failure
• HML—hypovolemia
• HML—septic shock
• Hypotension—hemorrhage
• Hypoxemia—stelectasis
• Hypoxemia—bronchospasm
• Hypoxemia—endobronchial intubation
• Induction—routine
• Malignant hyperthermia
• Tachycardia & hypotension
• Tension pneumothorax