

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
- Dsyfunctional chest tube
- Extubation and stridor
- Extubation critieria
- 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

- Amniotic 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—laryngospasm
- 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