Simulator Name: HARVEY

Simulator Type: Cardiopulmonary patient simulator, portable

| Vital Signs: | • Heart rate  
• Respiratory rate  
• Blood pressure  
• Pulses |
|---|---|

| Physical Assessment: | • Heart sounds: 30 different cardiac conditions  
  ▪ S1 First heart sound  
  ▪ S2 Second heart sound  
  ▪ S3 Third heard Sound  
  ▪ S4 Fourth heart sound  
  ▪ M Mitral component on S1  
  ▪ T Tricuspid component on S1  
  ▪ A Aortic component on S2  
  ▪ P Pulmonic component on S2  
  ▪ ES ejection sound  
• Auscultatory areas:  
  ▪ Aortic area  
  ▪ Pulmonary area  
  ▪ Tricuspid area  
  ▪ Mitral area  
  ▪ Mitral radiation  
  ▪ Aortic or pulmonary radiation  
  ▪ Carotids  
• Precordial movement at cardiac apex  
• Blood Pressure – right arm: BP configurations vary appropriately for each disease  
• Breath sounds: Appropriated pulmonary findings are programmed into each condition  
  ▪ Normal vesicular sounds  
  ▪ Inspiratory and expiratory crackles  
  ▪ Inspiratory and expiratory wheezes  
  ▪ Pleural rub  
• Chest movement and abdominal breathing  
• Pulses: Pulse configurations vary appropriately for each disease  
  ▪ Bilateral carotids pulse  
  ▪ Right arm brachial pulse  
  ▪ Bilateral femoral Pulse  
  ▪ Bilateral jugular venous pulse wave  
• Speaks through a built-in speaker  
• One Main-Instructor stethoscope and ten Infrared stethoscopes |

| Skills: | • Cardiac auscultation  
• Pulmonary auscultation  
• Blood pressure assessment  
• Pulse palpation |

| Important Information: | • DO NOT GIVE CPR!  
• Do not put pressure on abdomen  
• Do not attempt to move the hands or reposition the blood pressure cuff  
• Keep excessive care when moving to protect internal circuit and mechanics  
• Keep ink, marking materials, printed materials away from the skin |