UT-IISC™ Pre-Programmed Scenarios

Adult Human Patient Simulator Scenarios

Disaster Medical Readiness (DMR):
- Anthrax
- Botulism
- BZ
- CHI (closed head injury) w/ chest trauma_earthquake
- CHI (closed head injury) w/ chest trauma_IEd (intermittent explosive disorder)
- Chlorine
- Cyanide
- Dehydration_Hurricane
- Laceration to arm_earthquake
- Laceration to arm_hurricane
- Multiple injuries w/ amputation_earthquake
- Multiple injuries w/ amputation_IEd (intermittent explosive disorder)
- Mustard Lewisite
- Pandemic Flu
- Phosgene
- Pneumonic plague
- Pneumothorax_IEd (intermittent explosive disorder)
- Radiation Criticality
- Radiation Trauma

ACLS
- Acute coronary syndrome
- Acute ischemic CVA (cerebrovascular accident)
- Asystole
- Atrial fibrillation/junctional tachycardia
- Bradycardia and heart blocks
- PEA (Pulseless electrical activity)
- Respiratory arrest
- Supraventricular tachycardia / Ventricular tachycardia
- Ventricular fibrillation / AED (automated external defibrillator) use
- Ventricular fibrillation and tachycardia
Other:

- Spontaneous pneumothorax
- Tension pneumothorax
- 7 minute fresh water submersion
- MVC (motor vehicle crash) victim w/ ARDS
- Acute asthma attack
- Alcoholic cardiomyopathy
- GI bleeding
- Acute Cholecystitis
- Internal bleeding
- Acute atrial fibrillation
- CHF (congestive heart failure) & pulmonary edema
- Septic shock
- Dr. Iven Fast (MVC (motor vehicle crash) w/ chest contusion, compound fx left femur)
- Mr. Outta Joint (dislocated shoulder)
- Mr. Reen L Stone
- Mrs Una Goodeye (cataract extraction)
- Orthostatic Granny
- Soldier with gunshot wound
- Soldier with land mine injury
- Soldier with snake bite injury
- Standard Man Narcotizes
- Standard Man Relaxed
- Stannette Preeclampsia
- Truck driver pre-clamp (repair of infra-renal AAA (abdominal aortic aneurysm))
- Truck driver pre-unclamp (repair of infra-renal AAA (abdominal aortic aneurysm))
Program for Nursing Curriculum Integration (PNCI)

Semester 1
- Variations in heart rate drug
- Abnormal heart rate_16 yo
- Abnormal heart rate_87 yo
- Adult asthma
- Cardiac
- Fluid and electrolytes
- Hip replacement
- Post gastrectomy
- Spinal cord injury

Semester 2
Adult Acute Medical-Surgical Nursing
- Trachea care with hypoxia
- Anaphylactic reaction
- Acute renal failure
- Chest pain management
- Chest pain management_Telemetry
- Chest tube management
- Chronic heart failure exacerbation
- CVA (cerebrovascular accident)
- DKA (diabetic ketoacidosis) Adult
- GI bleed aspirin abuse
- Heat exhaustion
- Post op DVT (deep vein thrombosis)
- Postoperative hemorrhage
- Postoperative ileus
- Postoperative pneumonia
- Preop cholecystectomy
- Ruptured diverticulum
- Spinal cord injury

Childbearing
- Post partum hemorrhage
- Abruptio placentae
- Amniotic fluid embolism
- Hyperemesis gravidarum
- Hypertensive disorder in pregnancy_preeclampsia
Semester 3

**Chronic Care**
- Sickle cell crisis
- Adult with dementia
- Aggressive patient with positive test for tuberculosis
- AIDS PCP (*plasma cell pneumonia*)
- Alcohol withdrawal syndrome
- Cardiac rehabilitation
- Chronic GI bleed
- Chronic heart failure_COPD assessment
- Diabetes_chronic
- End-of-life care
- Hypertension in cath lab

**Community Care**
- Chronic osteomyelitis
- Aids encephalopathy
- Asthma adult home care
- Bioterrorism_Adult
- Chemotherapy administration
Semester 4

Adult Critical Care
- Thermal injury
- Acute coronary syndrome
- Aortic valve replacement
- ARDS (acute respiratory distress syndrome)
- ARDS (acute respiratory distress syndrome) vent management
- Brain attack
- Cardiogenic shock
- Closed head injury _Adult
- Cocaine overdose
- Gun Shot Wound
- Herniation syndrome
- Hypotension management
- MVC (motor vehicle crash) abdominal injury
- Neurogenic shock
- Postoperative craniotomy
- Pulmonary artery catheter
- Sepsis, septic shock, MODS (multiple organ dysfunction syndrome)
- Syncope pacemaker

Adult High Acuity – Medical Surgical
- Postop pulmonary embolism
- Cardiopulmonary arrest
- COPD (chronic obstructive pulmonary disorder) with respiratory failure
- DIC (disseminated intravascular coagulation)
- Dysrhythmia recognition
- GI bleed liver failure
- Heart failure exacerbation
- Hypnotic overdose
- Learning disability client in a home care environment

Leadership Management
- Multiple patient care
Pediatric Simulation Scenarios

**PediaSim**
- Burn
- Drowning
- Electrocution
- Envenomation
- Gunshot wound
- Meningitis
- Methamphetamine exposure
- Traumatic brain injury
- Overdose
- Closed head injury
- Diabetic ketoacidosis w/ hypoxemia
- Obstructed airway
- Trauma w/ pneumothorax

**Pediatric Advanced Life Support (PALS)**
- Acute respiratory failure
- Asthma
- Asystole
- Bradycardia
- Hypovolemic shock
- Multiple trauma
- PEA (*pulseless electrical activity*)
- Supraventricular tachycardia / Ventricular tachycardia
- Toxidromes
- Ventricular fibrillation

**PNII**
- Traumatic brain injury
- Abnormal heart rate _six year old_
- Acetaminophen poisoning
- Amputation and TPN
- Asthma attack
- Cystic fibrosis
- DKA and pneumonia
- Fluid and electrolyte
- Foreign body aspiration
- Fractured radius with compartment syndrome
- Meningitis
- Near drowning
- Post op complications
- Renal dysfunction
- Septic appendix
- Terrorism

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