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 thrombo*sis)
- 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
- Bioterriorism_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

PNCI

- 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