

Technical Specification

2.1 實驗室模擬人、模型、病床配套

Purchase quantity:

Item	Description	Qty
2.1.1	Tube feeding training model	7 units
2.1.2	Hand washing training kit	12 sets
2.1.3	Wound foot	5 sets
2.1.4	Wound care model	5 sets
2.1.5	Hospital bedside cabinet	37 units
2.1.6	Hospital bedside table	29 units
2.1.7	Patient simulator	1 unit
2.1.8	Emergency Cart	1 unit
2.1.9	Isolation Cart	1 unit

All related works and testing should be complete by 8 AUGUST 2023.

Please indicate by tick below, point by point (YES / NO) which shall be complied with this technical specification.

Details must be given should the offered product differ from the Specification.

Mandatory (M) / Desirable (D) / Optional (O)

Item	Description	M/D/O	Yes	No	Please provide details
2.1.1	Tube feeding training model	M			
2.1.1.1	Realistic training with anatomically correct structures	M			
2.1.1.2	Oral/Nasal feeding tube injection	M			
2.1.1.3	Check tube placement by auscultation with stethoscope	M			
2.1.1.4	Practicing with a real liquid food	M			
2.1.1.5	Easy to maintain ; Detachable stomach and trachea	M			
2.1.1.6	Positioning with a stand by adjusting the angle. (0°, 21~45°, 90°)	M			
2.1.1.7	Checking tube placement through transparent window	M			
2.1.1.8	Training tube feeding	M			
2.1.1.9	Training PEG care, Tracheostomy care, suction,	D			

	gastrostomy tube care				
2.1.2	Hand washing training kit	M			
2.1.2.1	Washing gel	M			
2.1.2.1.1	Used for hand washing demonstrations	M			
2.1.2.1.2	Shows up brilliant blue-white under UV light	M			
2.1.2.1.3	It does not stain the cloth	M			
2.1.2.2	power				
2.1.2.2.1	Used to demonstrate proper surface cleaning as well as the spread of germs, especially in the area of cross-contamination	M			
2.1.2.3	Lamp	M			
2.1.2.3.1	Ultra Violet Lamp	M			
2.1.2.3.2	Provides a focused beam of UV light	M			
2.1.2.3.3	Fluoresces washing gel in broad daylight	M			
2.1.2.3.4	Featuring a push button that toggles the light on and off	M			
2.1.2.3.5	With a wrist strap	D			
2.1.2.4	Case	M			
2.1.2.4.1	Carrying case	M			
2.1.3	Wound foot	M			
2.1.3.1	Life-like and life-size foot model	M			
2.1.3.2	Various wounds on wound foot (stage 1 to 4 pressure injuries, necrotic toe, dry gangrene, ischemia, maceration, partial thickness wounds, joint Corn, Fungal thickened toenail, Blister etc)	M			
2.1.3.3	A tool for training, competency testing, skills assessment and dressing techniques	M			
2.1.3.4	For educating all healthcare professionals and patients in the identification and staging of wounds	M			
2.1.3.5	Routine cleansing and dressing changes can be practiced	M			
2.1.3.6	The application and removal of dressings without leaving an adhesive residue	M			
2.1.3.7	Toes can be moved for closer examination or the application of dressings	M			
2.1.3.8	With a positioning base for the foot	M			
2.1.3.9	Additional symptoms like cracked skin	D			
2.1.3.10	Carrying case	M			
2.1.4	Wound care model	M			

2.1.4.1	Looks and feels like real thing	M			
2.1.4.2	Various pressure injuries (Stage 1, Stage 2, Stage 3 with undermining, tunneling, subcutaneous fat and slough, deep Stage 4 with exposed bone with osteomyelitis, undermining, tunneling, subcutaneous fat, eschar and slough, Deep Tissue Pressure Injury, unstageable full eschar/slough wound, and dehisced wound etc)	M			
2.1.4.3	A tool for training, competency testing, skills assessment and dressing techniques	M			
2.1.4.4	For educating all healthcare professionals and patients in the identification and staging of wounds	M			
2.1.4.5	Routine cleansing and dressing changes can be practiced	M			
2.1.4.6	The application and easy removal of dressings, without leaving an adhesive residue	M			
2.1.4.7	A “bridging” dressing for use with a vacuum assisted closure and negative pressure wound therapy devices can be demonstrated and practiced.	M			
2.1.4.8	Carrying case	M			
2.1.5	Hospital bedside cabinet	M			
2.1.5.1	Slide-out work surface	M			
2.1.5.2	A plenty of storage	M			
2.1.5.3	One drawer	M			
2.1.5.4	Cabinet with door	M			
2.1.5.5	Swivel casters	M			
2.1.5.6	Stainless towel rack on both sides	M			
2.1.6	Hospital bedside table	M			
2.1.6.1	Swivel casters	M			
2.1.6.2	Table top can be raised with slightest upward pressure	M			
2.1.6.3	Table top can be raised or lowered in infinite positions	M			
2.1.6.4	table top is locked securely when height adjustment handle is released	M			
2.1.6.5	Tilt-Top with different angles	D			
2.1.6.6	"H" base provides security and stability (fit with beds, stretchers and recliners)	M			
2.1.6.7	Durable, welded steel base for long-lasting use	M			
2.1.6.8	50 lb maximum weight capacity	M			
2.1.7	Patient simulator	M			

2.1.7.1	For high-quality simulation training in a multitude of different medical procedures and patient cases	M			
2.1.7.2	Full body manikin with articulating legs and arms, Set of Clothing -wireless -Internal electrical and pneumatic power -swappable, rechargeable batteries -controllable open/closed airway -head tilt/chin lift -jaw thrust w/articulated jaw -variable lung compliance -variable airway resistance -stomach distention -Detection of proper head position -Can't intubate/Can ventilate -Can't intubate/Can't ventilate -Tongue edema -Pharyngeal swelling -Laryngospasm -Decreased cervical range of motion -Trismus -Simulated spontaneous breathing -Bilateral and unilateral chest rise and fall -CO2 exhalation -Normal and abnormal breath sounds (5 anterior auscultation sites, 6 posterior auscultation sites) -Oxygen saturation and waveform -Cyanosis -Unilateral & Bilateral chest movement -Unilateral, Bilateral & lobar breath sounds -Extensive ECG library -Heart sounds - four anterior locations -ECG rhythm monitoring (4 wire) -12 lead ECG display -Defibrillation and cardioversion -Pacing -Oscillometric BP measurement -Carotid, femoral, brachial, radial, dorsalis pedis,	M			

	<p>popliteal and posterior tibialis pulses synchronized with ECG</p> <ul style="list-style-type: none"> -Pulse strength variable with BP -Pulse Palpation is detected & logged -Bilateral IV access -Bilateral humeral IO access -Intraosseous access (tibia) -Bilateral deltoid IM -CPR compressions generate palpable pulses, blood pressure wave form, and ECG artefacts -Realistic compression depth and resistance -Detection of depth, release and frequency of compressions -Real time feedback on quality of CPR -Blinking - slow, normal, fast and winks -Open, closed and partially open -Pupillary accommodation: <ul style="list-style-type: none"> -synchrony/asynchrony -normal and sluggish speed of response -bowel sounds -diaporesis -secretions -Urine output -simulation of bleeding at multiple sites 				
2.1.7.3	<p>Students can implement:</p> <ul style="list-style-type: none"> -suctioning -ventilation -Orotracheal intubation -nasotracheal intubation -endotracheal tube intubation -needle circothyrotomy -Surgical circothyrotomy -Transtracheal jet ventilaton -Needle thoracentsis - bi-lateral - Chest tube insertion - bilateral 	M			
2.1.7.4	Set of genitalia (male/female/blank)	M			
2.1.7.5	Wounds kit (wound + adhesive)	M			

2.1.7.6	External power supply	M			
2.1.7.7	Automated NIBP, blood pressure cuff	M			
2.1.7.8	Blood and fluid refill bottles	M			
2.1.7.9	IV Bag + plug and luer lock	M			
2.1.7.10	Headset with microphone	M			
2.1.7.11	Automated pulse oximetry	M			
2.1.7.12	Interchangeable head skin	M			
2.1.7.13	Patient monitor -Wireless -Highly configurable, Includes: ECG (2 traces), SpO2, CO2, ABP, CVP, ICP, Anesthetic Agent, PH, PTC, PAP, PCWP, NIBP, -TOF, Cardiac Output, Temperature (core & peripheral), Additional and programmable parameters, X-Ray Display, 12 Lead ECG Display, Custom Image Display, Custom Video Display	M			
2.1.7.14	Various scenario	M			
2.1.7.15	Instructor Communication	M			
2.1.7.16	Patient voice	M			
2.1.7.17	Defibrillation	D			
2.1.8	Emergency Cart				
2.1.8.1	Total 5 or 6 Drawers	M			
2.1.8.2	Plastic separators mat. (inside drawers) More 60	M			
2.1.8.3	Top surface	M			
2.1.8.4	Castors	M			
2.1.8.5	Knocking mechanism	M			
2.1.8.6	IV hook	M			
2.1.8.7	Waste bin	M			
2.1.8.8	Resuscitation board	M			
2.1.8.9	Oxygen tube holder	M			
2.1.8.10	Defibrillator holder	M			
2.1.8.11	Drug compartments	D			
2.1.9	Isolation Cart				
2.1.9.1	Total 5 or 6 Drawers	M			
2.1.9.2	Plastic separators mat. (inside drawers) More 60	M			
2.1.9.3	Top surface	M			
2.1.9.4	Castors	M			
2.1.9.5	Knocking mechanism	M			

2.1.9.6	IV hook	M			
2.1.9.7	Waste bin	M			
2.1.9.8	Resuscitation board	M			
2.1.9.9	Drug compartments	M			
2.1.9.10	Oxygen tube holder	D			
2.1.9.11	Defibrillator holder	D			