



Annual Department Plan of Community and Environmental Service Activities

Academic Year: 2025/ 2026

Department: Critical Care and Emergency Nursing

Activities (Training courses/ workshops/ Lectures)	Objectives	Mechanism of Execution	Target Group	Activity Executors	Time	Index of Success
1. Orientation Program for Internship Program's Students	<ul style="list-style-type: none"> Provide students with knowledge about the goals, structure, and expectations of the internship program. 	<ul style="list-style-type: none"> Form an organizing committee. Prepare a program agenda with the important clinical procedures. Arrange venue, multimedia resources, and printed materials. 	Internship Program's Students	Staff Members of the Critical Care and Emergency Nursing Department	September	<ul style="list-style-type: none"> Attendance of >90% of the students.
2. First Aid Training Programs	<ul style="list-style-type: none"> Develop psychomotor skills for performing life-saving interventions (e.g., CPR, bleeding control, fracture management). 	<ul style="list-style-type: none"> Prepare training materials: mannequins, bandages, splints, CPR kits, and an Automated External Defibrillator (AED). Schedule Training Program. Demonstration: Trainer demonstrates each skill step by step. Re-demonstration: Students practice under supervision (small groups). Simulation/role-play 	Faculty Students		October	<ul style="list-style-type: none"> 70% of participants rate the training as effective and useful.
			Nursing Staff		November	
			Handicapped Students	December		

Activities (Training courses/ workshops/ Lectures)	Objectives	Mechanism of Execution	Target Group	Activity Executors	Time	Index of Success
3. Basic Life Support (BLS): Principles, Skills, and Hands-On Training	<ul style="list-style-type: none"> Demonstrate correct techniques for chest compressions, rescue breathing, and use of an AED. 	<ul style="list-style-type: none"> Simulation-based training with mannequins and AED/defibrillator. 	<ul style="list-style-type: none"> -Nursing Staff -Technician -University Students -Handicapped Students 	Staff Members of the Critical Care and Emergency Nursing Department	September & October	<ul style="list-style-type: none"> 75% of the participants have a good knowledge of BLS and AED.
4. Advanced Cardiac Life Support (ACLS): Evidence-Based Protocols and Clinical Practice	<ul style="list-style-type: none"> Apply evidence-based ACLS algorithms for cardiac arrest, bradycardia, and tachycardia. 	<ul style="list-style-type: none"> Simulation-based training with mannequins and AED/defibrillator. 	Nursing Staff		January	<ul style="list-style-type: none"> 75% of the participants adhered to ACLS algorithms in simulation.
5. Cardiac Dysrhythmias: Recognition, Interpretation, and Management Training	<ul style="list-style-type: none"> Differentiate between life-threatening and non-life-threatening dysrhythmias. 	<ul style="list-style-type: none"> Provide rhythm strips and real patient ECGs for interpretation practice. ECG strip reading workshops, case scenarios. 				<ul style="list-style-type: none"> 75% of the participants correctly differentiated between life-threatening and non-life-threatening dysrhythmia.
6. Arterial Puncture and Arterial Blood Gases Interpretation	<ul style="list-style-type: none"> Demonstrate the correct technique for performing arterial puncture safely. Interpret ABG results to identify 	<ul style="list-style-type: none"> Start with models/mannequins before supervised clinical practice. 			April	<ul style="list-style-type: none"> 75% of the participants are accurate in ABG interpretation.

Activities (Training courses/ workshops/ Lectures)	Objectives	Mechanism of Execution	Target Group	Activity Executors	Time	Index of Success
	acid-base imbalances and respiratory/metabolic disorders.			Staff		
7. Electrocardiogram (ECG): Principles and Waveform Interpretation	<ul style="list-style-type: none"> Explain the principles of ECG monitoring and lead placement. Identify the components of a normal ECG waveform (P wave, QRS complex, T wave, intervals, and segments). 	<ul style="list-style-type: none"> Safety protocols emphasized repeated hands-on drills. 	Nursing Staff	Members of the Critical Care and Emergency Nursing Department	April	<ul style="list-style-type: none"> 75% of the participants have a good knowledge of ECG rhythm interpretation.
8. Defibrillation and Cardioversion: Techniques and Clinical Applications	<ul style="list-style-type: none"> Identify indications, contraindications, and precautions for each procedure. Demonstrate correct setup and use of defibrillators and cardioverters. 	<ul style="list-style-type: none"> Hands-on practice with a defibrillator in the simulation lab. 			May	<ul style="list-style-type: none"> 75% of the participants have a good knowledge of the correct setup and use of defibrillators and cardioverters.
9. High-Alert Medications: Safe Handling and Administration	<ul style="list-style-type: none"> Discuss strategies to reduce errors in prescribing, dispensing, and administering 	<ul style="list-style-type: none"> Case-based discussions, medication safety drills, error-prevention workshops. 				<ul style="list-style-type: none"> 75% of the participants utilize correct dose calculation.



Activities (Training courses/ workshops/ Lectures)	Objectives	Mechanism of Execution	Target Group	Activity Executors	Time	Index of Success
Practices	high-alert drugs.			Staff Members of the Critical Care and		
10. Mechanical Ventilation: Concepts, Modes, and Nursing Care	<ul style="list-style-type: none"> Explain the indications, complications, and weaning strategies of mechanical ventilation. 	<ul style="list-style-type: none"> Bedside teaching in ICU, ventilator mode demonstration. 	Nursing Staff	Emergency Nursing Department	June	<ul style="list-style-type: none"> 75% of the participants correctly recognize alarm causes.
11. Acute Kidney Injury: Pathophysiology, Diagnosis, and Management	<ul style="list-style-type: none"> Outline evidence-based management strategies, including pharmacological and non-pharmacological interventions. Describe the nursing role in monitoring and preventing complications of AKI. 	<ul style="list-style-type: none"> Use case-based learning, flowcharts for diagnosis, and evidence-based management discussions. 				<ul style="list-style-type: none"> 85% of the participants apply correct diagnosis and management in case scenarios.



Activities (Training courses/ workshops/ Lectures)	Objectives	Mechanism of Execution	Target Group	Activity Executors	Time	Index of Success
12. Pneumonia: Clinical Features, Diagnosis, and Evidence-Based Care	<ul style="list-style-type: none"> Outline pharmacological and supportive management approaches. Apply nursing interventions for prevention, monitoring, and patient education. 	<ul style="list-style-type: none"> Use case-based learning, flowcharts for diagnosis, and evidence-based management discussions. 	Nursing Staff		July	<ul style="list-style-type: none"> 85% of the participants apply correct diagnosis and management in case scenarios.
13. Pressure Ulcers: Risk Factors, Prevention, and Management	<ul style="list-style-type: none"> Apply evidence-based prevention strategies and demonstrate the nurse's role in early detection and patient/family education. Describe current management approaches, including wound care and use of advanced dressings. 	<ul style="list-style-type: none"> Practical sessions on repositioning, mattress use, and wound care dressing stations. 		Staff Members of the Critical Care and Emergency Nursing Department		<ul style="list-style-type: none"> 85% of the participants have a good knowledge of pressure ulcer prevention and management.

*Approved by the Department Council No. (122), 31/8/2025

Head of Department Activities Committee

Dr. Nagwa Yehya

Head of Department

Assist. Prof. Asmaa Ebrahim