
Central Administration of Pharmaceutical Care
General Administration of Drug Utilization and Pharmacy Practice

National Egyptian Crash Cart and Emergency Medication Lists 2024

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Crash Cart and Emergency Medication Lists

1. Crash Cart Medication List

A) Crash Cart Definition:

- A movable collection of emergency equipment and supplies meant to be readily available for resuscitative effort. It includes medications as well as the equipment for defibrillation, intubation, intravenous medication, and passage of central lines.
- The crash cart is the commonly used term to describe a self-contained, mobile unit containing virtually all the materials, drugs, and devices necessary to perform a code. The contents and organization of crash carts may vary depending on the code to be executed.

B) Crash Cart Medication List:

Medication	Indication
Adrenaline 1 mg / ml ampoule	-Sudden cardiac arrest due to asystole, pulseless electrical activity, ventricular fibrillation, or pulseless ventricular tachycardia
Amiodarone 150 mg / 3 ml ampoule	-life-threatening arrhythmias: -Supraventricular arrhythmias -Ventricular arrhythmias
Sodium Bicarbonate 8.4%	-Prolonged Cardiac arrest. -Acute severe Metabolic acidosis
Lidocaine 2% Vial	Ventricular arrhythmias
Dopamine 200 mg / 5 ml ampoule	-Hypotension or shock -Inotropic support
Magnesium Sulfate 10% ampoule	-Eclampsia/preeclampsia with severe features, seizure prophylaxis and treatment -Torsades de pointes -Hypomagnesemia
Calcium Gluconate 10% injection	-Hypocalcemia -Hyperkalemia, severe/emergent

	-Cardiac arrest or cardiotoxicity in the presence of hypocalcemia or hypermagnesemia -Calcium channel blocker overdose -Beta-blocker overdose
Atropine sulfate 1 mg /ml ampoule	-Bradycardia -Organophosphate or carbamate insecticide or nerve agent poisoning -Muscarine-containing mushroom poisoning
Norepinephrine 4 mg / 4 ml ampoule	-Cardiogenic shock -Post–cardiac arrest shock -Septic shock and other vasodilatory shock states
Dextrose 25% OR Dextrose 50%	-Hypoglycemia - Severe/emergent Hyperkalemia
Sodium Chloride 0.9%	-Septic shock or sepsis-induced hypoperfusion, fluid resuscitation -Diabetic ketoacidosis or hyperosmolar hyperglycemic state, fluid management
Midazolam 5 mg /ml ampoule	Status epilepticus

2. Emergency Medication List

A) Definition of Medical Emergency:

The term “emergency medical condition” means— (A) a medical condition manifesting itself by acute symptoms of sufficient severity (including severe pain) such that the absence of immediate medical attention could reasonably be expected to result in— (i) placing the health of the individual (or, for a pregnant woman, the health of the woman or her unborn child) in serious jeopardy, (ii) serious impairment to bodily functions, or (iii) serious dysfunction of any bodily organ or part; or (B) for a pregnant woman who is having contractions— (i) that there is inadequate time to effect a safe transfer to another hospital before delivery, or (ii) that transfer may pose a threat to the health or safety of the woman or the unborn child.

B) Most Common Medical Emergencies:

1- Cardiovascular Emergencies:

- Cardiac Arrest
- Cardiogenic Shock
- Acute Coronary Syndrome
- Cardiac Arrhythmias
- Acute Pulmonary Edema
- Hypertensive Emergencies

2- Respiratory Emergencies:

- Acute bronchial asthma
- Exacerbation of Chronic Obstructive Airways Disease
- Croup
- Epiglottitis

3- Neurologic Emergencies:

- Status Epilepticus
- Migraine
- Tetanus
- Acute bacterial meningitis

4- Poisoning and Overdose:

- Opiates
- Paracetamol
- Warfarin
- Aspirin
- B-blockers

5- Endocrine Emergencies:

- Diabetic Ketoacidosis
- Non-ketotic Hyperosmolar State
- Hypoglycemia
- Thyrotoxicosis (Thyroid storm)
- Hypothyroid Crisis (Myxedema Coma)

6- Fluid and Electrolyte Emergencies:

- Hyperkalemia
- Hypokalemia
- Hypercalcemia
- Hypocalcaemia
- Fluid resuscitation

7- Miscellaneous Emergencies:

- Anaphylaxis
- Pre-eclampsia
- Septic Shock

C) Emergency Medication List:

Medication	Indication
Adrenaline 1 mg / ml ampoule	-Sudden cardiac arrest due to asystole, pulseless electrical activity, ventricular fibrillation, or pulseless ventricular tachycardia
Norepinephrine 4 mg / 4 ml ampoule	-Cardiogenic shock -Post-cardiac arrest shock -Septic shock and other vasodilatory shock states
Dopamine 200 mg / 5 ml ampoule	-Hypotension or shock -Inotropic support
Dobutamine 250 mg/5 or 20 ml ampoule	-Inotropic support -Acute decompensated heart failure
Amiodarone 150 mg / 3 ml ampoule	-Life-threatening arrhythmias: -Supraventricular arrhythmias -Ventricular arrhythmias
Digoxin 250 mcg /ml ampoule	-Atrial fibrillation/flutter, rate control -Supraventricular tachycardia
Propranolol 1 mg / ml ampoule	-Atrial fibrillation/flutter -Thyroid storm
Atropine sulfate 1 mg /ml ampoule	-Bradycardia -Organophosphate or carbamate insecticide or nerve agent poisoning -Muscarine-containing mushroom poisoning

Verapamil 5 mg / 2 ml ampoule	Supraventricular tachycardia
Furosemide 10 mg / ml ampoules	Edema or volume overload
Short-acting insulin	Diabetic ketoacidosis or hyperosmolar hyperglycemic state
Streptokinase 1.5 Million I.U	STEMI
NaCl 0.9% Solution	-Septic shock or sepsis-induced hypo perfusion, fluid resuscitation -Diabetic ketoacidosis or hyperosmolar hyperglycemic state, fluid management
Ringer Solution	
Acetyl Salicylic Acid / Aspirin Tablets 75 mg	-Acute Coronary Syndrome (ACS)
Clopidogrel 75 mg tablets	-Acute coronary syndrome -Ischemic stroke/transient ischemic attack
Acetylcysteine Concentrated Solution for I.V infusion	Acetaminophen overdose
Silver Sulfadiazine Topical Cream	Burn treatment
Sodium Bicarbonate 8.4%	-Prolonged Cardiac arrest. -Acute severe Metabolic acidosis
Hydrocortisone 100 mg injection	-Septic shock -Adrenal insufficiency, adrenal crisis
Heparin Sodium 5000 I.U ampoules	-Atrial fibrillation -ACS -VTE
Ipratropium Bromide 250, 500 mcg / 2ml Nebulizer Solution	-Asthma, acute exacerbation, moderate to severe
Salbutamol 2.5 , 5 mg / 5 ml Nebulizer Solution	-Asthma, Acute exacerbation -Hyperkalemia -Chronic obstructive pulmonary disease, Acute exacerbation
Tranexamic acid 100 mg / ml ampoule	-Trauma-associated hemorrhage or traumatic brain injury -Intracranial hemorrhage associated with thrombolytic treatment

Nitroglycerin I mg /ml injection	-Hypertensive emergency -Acute decompensated heart failure
Glucose 5% (Dextrose 5%) solution for infusion	-Hypernatremia
Glucose 10% (Dextrose 10%) solution for infusion	-Calcium channel blocker or beta-blocker overdose/toxicity -Hyperkalemia, severe/emergent
Hyoscine Butyl bromide ampoule	Gastrointestinal/genitourinary spasm
Ondansetron ampoule 2 mg/ml	Nausea and/or vomiting, acute, severe
Calcium Gluconate 10% injection	-Hypocalcemia -Hyperkalemia, severe/emergent -Cardiac arrest or cardiotoxicity in the presence of hypocalcemia or hypomagnesemia -Calcium channel blocker overdose -Beta-blocker overdose
Magnesium Sulfate 10% ampoule	-Eclampsia/preeclampsia with severe features, seizure prophylaxis and treatment -Torsades de pointes -Hypomagnesemia
Potassium Chloride injection	-Hypokalemia -Diabetic ketoacidosis or hyperosmolar hyperglycemic state
Vitamin K (Phytomenadion) Injection 10 mg/ml	Reversal of anticoagulation due to warfarin or other coumarin or indandione derivatives
Midazolam 5 mg /ml ampoule	Status epilepticus
Phenytoin 50 mg / ml ampoule	Status epilepticus
Isosorbide dinitrate sublingual tablets	Angina
Naloxone 0.4 mg/ml injection	Opioid overdose
Flumazenil 0.1 mg / ml ampoule	Benzodiazepine overdose
Activated Charcoal	Acute poisoning

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