

DRUGS USED IN CRITICAL SETTINGS: ICU, CCU, OT, Emergency



COMMON DRUGS USED IN EMERGENCY

Life Saving Drugs:

- Adrenaline
- Atropine
- Xylocard
- Calcium Gluconate
- Sodabicarbonat

Other Emergency Drugs are:

- Midazolam

Common drugs used for OP poisoning.

- Atropine
- PAM
- Diazepam.

Common drugs used for cardiac arrest:

- Epinephrine
- Vasopressors
- Antiarrhythmic- amiodarone, lidocaine.
- Other drugs- atropine, calcium, sodium bicarbonate, thrombolytic Agents (STK, tPA)

COMMONLY USED DRUGS IN ICU AND CCU

The main groups of drugs used in ICU are as follows:

OPOIDS:

- Morphine
- Fentanyl
- Pethidine
- Naloxone

BENZODIAZEPINES:

- Diazepam
- Midazolam
- Lorazepam
- Flumazenil

SEDATIVES:

Propofol.

The main groups of drugs used in CCU are as follows:

Lignocaine

Propranolol

Amiodarone

Digoxin

Verapamil

Adenosine

Aspirin

Atrovastatin

GTN

Streptokinase

Isosorbide di-nitrate

Sodium bicarbonate

Nicorandil

Common drugs used in MI:

- Pain relief : Morphine
- Vasodilators: Nitroglycerine
- Anticoagulant: heparin
- Antiplatelet: aspirin
- Stool softner: cremaffin
- Vasopressor: dopamine, dobutamine

Drugs used in CCF:

- Diuretics
- ACE inhibitors: captopril, enalapril
- ARBS: losartan, Candesartan
- Digoxin
- Beta blockers
- vasodilators

NARCOTIC DRUG LAW:

- **The law was authenticated and published for the first time in 2033 B.S. under Narcotic Drug Control Act.**
- In this act the narcotic drug means
 - (1) Cannabis/ marijuana
 - (2) Medicinal cannabis/ marijuana
 - (3) Opium
 - (4) Processed opium
 - (5) Medicinal opium
 - (6) Plants and leaves of coca, and
 - (6A) Any substances to be prepared by mixing opium and extract coca, including mixture or salt.
 - (7) Any natural or synthetic narcotic drug or psychotropic substances and their salts,

- Chemical substance to be used for preparation of narcotic drugs may be exported, imported, stored, sold, distributed and used only in the quantity as prescribed by the Chief Narcotic Drugs Control Officer.
- For such procedures one must have license.
- **Consumption of narcotic drugs by persons falling under the following categories in the following circumstances shall not be deemed to have been prohibited:-**
 - (a) Purchase and consumption of narcotic drug by any person in the recommended dose from any licensed shop on the recommendation of any recognized medical practitioner for the purpose of medical treatment.
 - (b) **Consumption of narcotic drugs by persons belonging to the prescribed categories in prescribed doses.**

Responsibility of the Medical Practitioner:

While prescribing narcotic drugs,

- the medical practitioner shall not prescribe it to those who do not need it.

OR

- prescribe more than what the requirement is even to those to whom it is required.

DRUGS COMMONLY USED IN OPERATION THEATER:

ANESTHETICS:

- Local: lignocaine/ lidocaine HCL , bupivacaine HCL
- Regional: spinal, epidural
- General: ether, nitrous oxide, halothene, isoflurane, sevoflurane(inhalation), thiopentone sodium, propofol (injection)

MUSCLE RELAXANT:

- Succinyl choline
- Vecuronium
- Atracurium
- Mivacurium