



**Ministry of Health  
Sultanate of Oman**

**Emergency medicines list  
for the  
*Emergency Department***

Developed by:

Emergency Medicine Clinical Services Development Committee 2012

Approved by CDC on October 2015

The classes of drugs and agents presented in this document are considered essential to the practice of Emergency Medicine. However, the availability of the specific agents will be dependent on the functional level of the Emergency Department, which is determined by the hospital it belongs to. Accordingly, a system has been devised whereby each agent's availability is recommended based on the level of the department as listed below

Level I (National/Governorate hospitals)	Level II (Wilayat hospitals)	Level III (Local hospitals/hospitals with no ICU)	Level IV (Extended Health Center)
Royal Hospital Khoula Hospital Sultan Qaboos H. Hayma Ibri Ibra Sur Ar Rustaq Sohar Nizwa Al Buraymi Khasab	Jaalan Bani Bu Ali Sinaw Saham Samail Bahla	Al Nahdha Izki Wadi Hibi Wadi As Sarami Wadi Al Hawasinah Wadi Bani Ghafir Wadi Haymli Wadi Bani Kharus Wadi Mistal Jaalan Bani Bu Hasan Masirah Samad Ash Shan Bidiyah Wadi Bani Khalid Wadi Dima Wa At Taiyyin Yankul Ad Duqm Al Jazer Ar Rahmah Qurayyat Madinat Al Haq Taqah Tawi Atayr Mirbat Sadh Rakhyut Daba Bukha Wadi Al Jizzi Al Jabal Al Akhdar Adam	Al Masarra Bawsher As Seeb Qurayyat Khasab Hafit Al Buraymi Bahla Samail Shinas Al Khaburah As Suwayq Ar Rustaq Barka Al Musanaah Sur Jaalan Bani Bu Ali Ibra Ibri

*Note: Unless requested by the individual institution, not all items need to be supplied to each of the listed facilities (except for the crash cart items).*

<b>Drug Class</b>	<b>Drug Name</b>	<b>Route</b>	<b>ED Level</b>	<b>Comments</b>
<b>Analgesics</b>				
<i>Narcotics</i>	Codeine	PO	I-III	
	Tramadol	IV, IM	I-III	
	Morphine	IV	All	
	Fentanyl	IV	I-III	
<i>Non-narcotics</i>	Paracetamol	IV, PO, PR	All	
	Diclofenac Na	IM, PR	All	
	Ibuprofen	PO	All	
<b>Anesthetics</b>				
<i>Topical</i>	EMLA	Topical	All	
	LET (Lidocaine, Epinephrine, Tetracaine)	Topical	I-III	
	Lidocaine gel 2%	Topical	All	
	Lidocaine spray 4%	Topical	I-III	
<i>Infiltrative</i>	Lidocaine 1%,2%	Local	All	Single use vials
	Bupivacaine 0.5%	Local	I-III	Single use vials
	Lidocaine with Epinephrine 2%	Local	I-III	
<b>Anti-bleeding</b>	Vitamin K	IV	I-III	
	Prothrombin Complex Concentrate (Octaplex)	IV	I-III	
	Tranexamic acid	IV	I-III	

<b>Drug Class</b>	<b>Drug Name</b>	<b>Route</b>	<b>ED Level</b>	<b>Comments</b>
<b>Anti-coagulants</b>	Unfractionated Heparin	IV	I-III	
	LMWH	SC	I-III	
<b>Anti-convulsants</b>	Midazolam	IV	I-III	
	Phenytoin	IV	I-III	
	Lorazepam	IV	I-III	
	Valporic acid	IV	I-III	
	Phenobarbitol	IV	I-III	
	Diazepam	PR	All	
<b>Anti-diabetics</b>	Insulin R	IM	All	
<b>Antidotes (in the ED)</b>	Sodium bicarbonate 4.2%	IV	I-III	
	N-Acetylcystine	IV	I-III	
	Activated charcoal	PO	All	
	Calcium gluconate	IV	I-III	
	Glucagon	IV	I-III	
	Atropine	IV	I-III	
	Flumazenil	IV	I-III	
	Folic acid	PO	I-III	
	Pyridoxine	IV	I-III	
	Thiamine	IM, IV	I-III	
	Hydroxy-cobalamin	IV	I-III	
	Snake antivenom	IV	All	
<b>Antidotes (in the ICU)</b>	Digi-Fab	IV	I-II	

<b>Drug Class</b>	<b>Drug Name</b>	<b>Route</b>	<b>ED Level</b>	<b>Remarks</b>
	Desferoxamine	IV	I-II	
	2-PAM	IV	I-II	
	Methylene Blue	IV	I-II	
	Protamine sulphate	IV	I-II	
<b>Anti-histamines</b>	Chlorphenaramine	IV, IM	All	
	Prochlorperazine	IV, IM	All	
<b>Anti-infectives</b>	Amoxi-clav	IV	I-III	
	Ceftriaxone	IV	All	Needs protocols for use at level IV ED
	Clindamycin	IV	I-III	
	Gentamicin	IV	I-III	
	Metronidazole	IV	I-III	
	Cefotaxime	IV	I-III	Reserved for infants <3 months
	Tazocin	IV	I-III	
	Ampicillin	IV	I-III	
<b>Anti-inflammatories</b>				
<b><i>Steroids</i></b>	Hydrocortisone	IV	All	
	Methyl-prednisolone	IV	I-III	
	Dexamethasone	IV	I-III	
	Prednisone	PO	All	
	Dexamethasone	PO	I-III	
	Methyl-prednisolone	Intra-articular	I-III	
	Triamcinolone actinide	Intra-articular	I-III	

<b>Drug Class</b>	<b>Drug Name</b>	<b>Route</b>	<b>ED Level</b>	<b>Remarks</b>
<b>Anti-platelets</b>	Aspirin	PO	All	
	Clopedogril	PO	I-III	Use should be guided by hospital or department protocol
<b>Burn preparations</b>	Moist Exposure Burn Ointment (MEBO)	Topical	All	
<b>CVS Agents</b>				
<i>ACE inhibitors</i>	Captopril	PO	I-III	
<i>Adrenergic stimulants</i>	Norepinephrine	IV	I-III	
	Phenylephrine	IV	I-III	
	Dobutamine	IV	I-III	
	Dopamine	IV	I-III	
<i><math>\alpha/\beta</math> Blockers</i>	Labetalol	IV	I-III	
	Metoprolol	IV	I-III	
	Propranolol	IV	I-III	For Thyroid storm only
<i>Calcium Channel Blockers</i>	Diltiazem	IV	I-III	
<i>Diuretics</i>	Furosemide	IV	All	
	Mannitol	IV	I-III	
<i>Vasodilators</i>	Nitroglycerine	IV	I-III	
	Nitroglycerine	SL	All	
	Nitroglycerine	Patch	I-III	
	Na Nitroprusside	IV	I-II	
<b>Electrolytes</b>	ORS	PO	All	
	Potassium chloride	IV	All	

<b>Drug Class</b>	<b>Drug Name</b>	<b>Route</b>	<b>ED Level</b>	<b>Remarks</b>
<b>Fibrinolytics</b>	rtPA (Alteplase)	IV	I-III	For CVA and PE (must be used with a protocol)
	Retepase	IV	I-III	For ACS (must be used with a protocol)
<b>Fluid replacement solutions</b>	0.45% NS	IV	All	
	0.9% NS	IV	I-III	
	3% NS	IV	All	
	5% Dextrose	IV	All	
	10% Dextrose	IV	All	
	D5 NS	IV	All	
	0.45% NS D5	IV	All	
	Ringer Lactate	IV	All	
<b>GI Agents</b>				
<i>Antacids</i>	Mag Hydroxide	PO	All	
	Aluminum Hydroxide	PO	All	
<i>Anti-emetics</i>	Metoclopramide	IV, IM	All	
	Ondanesetron	PO	I-III	
<i>Antispasmodics</i>	Hyoscine butylbromide	IV, IM	All	
<i>Laxatives</i>	Fleet enema	PR	All	
<i>H2 Antagonists</i>	Ranitidine	IV, PO	All	
<i>Proton Pump Inhibitors</i>	Omeprazole	IV	I-III	For Acute Upper GI Bleed only
<i>Others</i>	Octreotide	IV	I-III	

<b>Drug Class</b>	<b>Drug Name</b>	<b>Route</b>	<b>ED Level</b>	<b>Remarks</b>
<b>Miscellaneous</b>	Silver nitrate cautery sticks	Topical	I-III	
	Tissue adhesive (wound glue)	Skin	All	Must be used with a protocol
	Lubricant	...	All	
	Calcium hydroxide paste	Dental	I-II	
<b>Obstetric agents</b>	Oxytocin	IV, IM	All	
<b>Ophthalmic agents</b>	Acetazolamide	IV	I-III	
	Acetazolamide	PO	I-III	
	Oxybuprocaine 0.4%	Eye drops	I-III	
	Tropicamide 0.5%	Eye drops	I-III	
	Timolol 0.5%	Eye drops	I-III	
	Pilocarpine 2%	Eye drops	I-III	
<b>Psych agents</b>	Haloperidol	IV, IM	I-III	
	Olanzapine	PO	I-III	Orally disintegrating tablets
<b>Respiratory agents</b>	Salbutamol	Neb	All	
	Ipratropium bromide	Neb	All	
<b>RSI &amp; Procedural Sedation drugs</b>	Etomidate	IV	I-III	
	Thiopental	IV	I-III	
	Propofol	IV	I-III	
	Midazolam	IV, IM, PO	I-III	
	Succinylcholine	IV	I-III	
	Rocuronium	IV	I-III	



<b>Drug Class</b>	<b>Drug Name</b>	<b>Route</b>	<b>ED Level</b>	<b>Remarks</b>
	Ketamine	IV, IM	I-III	
<b>Vaccines &amp; Immunoglobulin</b>	Td vaccine	IM	All	
	Rabies vaccine	IM	All	
	Rabies immunoglobulin	IM	All	
	Tetanus immunoglobulin	IM	All	

<b>Crash Cart (Resuscitation Medications)</b>	<b>Route</b>	<b>ED Level</b>
Atropine (prefilled)	IV	All
Adenosine	IV	All
Amiodarone	IV	All
Calcium Gluconate	IV	All
Dextrose (D10, D25, D50)	IV	All
Epinephrine 1:1000 vials	IV	All
Epinephrine 1:10000 (prefilled)	IV	All
Lidocaine 2% (prefilled)	IV	All
Magnesium Sulphate	IV	All
Naloxone	IV	All
Procainamide	IV	All
Sodium Bicarbonate (4.2%, 8.4%)	IV	All