Update date: February 1, 2024

Group No. 11: Poisoning

ATROPINE

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Insecticide by poisoning	Intramuscular, intravenous.
010.000.0204.00	Each vial contains: Atropine sulfate 1 mg. Container with 50 vials with 1 mL.	poisonnig phosphorus organ.	Adults: 2 mg every 20 to 30 minutes, until atropinization response is obtained. Maximum dose 6 mg. Children: Initial: 0.05 mg/kg body weight, repeat every 10 to 30 minutes, for 3 doses. Maintenance: 0.01 mg/kg body weight.
			Maximum dose 0.25 mg.

Generalities

Anticholinergic alkaloid that competes at the level of cholinergic receptors, selectively antagonizing the effects of both acetylcholine and muscarinic cholinergic drugs.

Risk in Pregnancy b
Adverse effects

Tachycardia, mydriasis, dry mucous membranes, blurred vision, excitement, mental confusion, constipation, urinary retention, urticaria.

Contraindications and Precautions

Contraindications: Hypersensitivity to the drug. Glaucoma. Bladder obstruction, paralytic ileus, myasthenia gravis.

Interactions

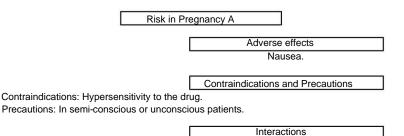
With antidepressants, antihistamines, meperidine, phenothiazines, methylphenidate and orphenadrine, the atropinic action is increased. Decreases the action of pilocarpine. Vitamin C promotes the elimination of atropine.

ACTIVATED CARBON

Clue	Description	Indications	Route of administration and dosage
	DUST	Intoxication by:	Oral.
	Each container contains:	Acetaminophen.	Adults and children:
	Activated carbon 1 kg.	Amphetamines.	
010.000.2242.00	Container with one kg. (for use in humans).	Aspirins. Barbiturate. Glycosides cardiac, Sulfonamides. Heavy metals.	1gr/kg body weight /dose, every 4 hours for 24 hours. Administer it concomitantly with cathartic (powdered magnesium sulfate, mannitol or sorbitol).
		Organophosphate pesticides.	

Generalities

It adheres to numerous medications and chemical compounds, inhibiting their absorption in the digestive tract. It is an adsorbent.



Acetylcysteine and ipecac decrease its adsorbent effect.

PROTAMINE

Clue	Description	Indications		Route of administration and dosage
	INJECTABLE SOLUTION	Heparin overdose.	by	Intravenous.
	Each 5 milliliter vial contains:			Adults and children:
	Protamine sulfate 71.5 mg.			The dose of protamine depends on the amount of heparin administered. One milligram of protamine
010.000.0625.00	Vial container with 5 mL.			neutralizes the anticoagulant effect of 80 to 100 units of heparin.
				Dilute 50 to 150 mg of protamine in 100 mL of physiological saline solution, and administer slowly over one hour.
				The dose of protamine should not exceed 50 mg in a period of 10 min.
				Only administer diluted in intravenous solutions packaged in glass bottles.
	-	Generalities	22	7

Protamine acts as an antagonist of heparin to which it binds by ionic combination, forming a complex and consequently inactivates it.

Risk in Pregnancy	b
<u> </u>	Adverse effects

Headache, lassitude, back pain, immediate hypersensitivity reactions.

Contraindications and Precautions

Contraindications: Hypersensitivity to the drug.

Precautions: The risk of hypersensitivity should be taken into account, especially in patients with a history of sensitivity to fish, particularly salmon; in vasectomized patients who have developed antiprotamine antibodies and in diabetic patients who are being treated with protamine insulin.

None of clinical importance.

NICOTINE

Clue	Description	Indications	Route of administration and dosage
	CHEWABLE TABLET	Adjuvant in the	Oral.
		treatment to eliminate the habit of	
	Each chewable gum tablet contains:	smoking.	Adults:
			Individual dose, according to the needs of each patient
	20% Nicotine Resin Complex		and at the discretion of the specialist doctor.
	equivalent to 2.0 mg of nicotine.		
	Container with 30 chewable gum tablets		
10.000.0080.00			

Generalities

Cholinergic tobacco alkaloid that is rapidly absorbed through the airways, oral mucosa and skin. It is used to maintain constant plasma concentrations of nicotine, lower than those obtained by the act of smoking, but sufficient to avoid or reduce cigarette withdrawal syndrome.

Risk in Pregn	ancy] d	
	Adverse	e effects]
Nausea, vomiting, salivation, abdominal	discomfort, diarrhea,	low blood pressure, h	eadache, confusion, feeling of weakness
			_

Contraindications and Precautions

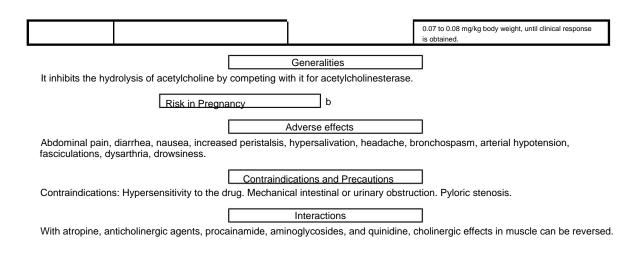
Contraindications: Hypersensitivity to the drug.

Precautions: In cardiovascular diseases, acid-peptic disease, hyperthyroidism, renal failure and after myocardial infarction.

		Interactions	
None of clinica	l importance.		_
ACETYLCYS	STEINE		
Clue	Description	Indications	Route of administration and dosage
	20% SOLUTION	Paracetamol by poisoning.	Oral.
	Each vial contains: Acetylcysteine	Bronchial processes with thick, very	Adults and children:
	400 mg.	adherent expectoration.	Starting dose, 140 mg/kg body weight; then 70 mg/kg body weight, each
010.000.4326.00	Package with 5 vials with 2 mL (200 mg/mL).		4 hours, up to 18 doses or 72 hours.
			Nasal nebulization.
			Adults and children over 7 years old:
			600 to 1000 mg/day divided into doses every 8 hours.
			Children from 2 to 7 years:
			300 mg/day divided into doses every 8 hours.
			Children under 2 years:
			200 mg/day divided into doses every 12 hours.
		Generalities	-
Protects again	st the hepatotoxic effect produced by		
-			
	Risk in Pregnancy	C	
		Adverse effects	
Immediate hyp	persensitivity reactions, nausea, vomiti	ng, headache, chills, fever, r	hinorrhea, diarrhea, bronchospasm.
	Contrain	dications and Precautions	
	ns: Hypersensitivity to the drug. Mellit	us diabetes. Gastroduodena	l ulcer.
Precautions: B	ronchial asthma, use of tetracyclines.		
		Interactions	
Antibiotics such incompatible o	n as amphotericin, ampicillin sodium, e r can be inactivated by mixing with ace	erythromycin lactobionate an etylcysteine.	d some tetracyclines are physically
	1	Indications	Dente of a desired standards and descent
oluo	Description INJECTABLE SOLUTION	Benzodiazepine by	Route of administration and dosage Intravenous.
	Each vial contains: Flumazenil	poisoning.	Adults:
	0.5 mg.		
040.000.4054.00	Container with a vial with 5 mL (0.1 mg/mL).		0.3 to 0.6 mg, every 6 hours for 24 hours.
		Generalities	
It is an imidazo	benzodiazepine derivative that acts as	s a competitive antagonist of	benzodiazepines.
	Risk in Pregnancy	b	
		Adverse effects	
Anxiety, palpita	ations, fear.		
	Contrain	dications and Precautions	7
Contraindicatio	ons: Hypersensitivity to the drug.		
		Interactions	7
It blocks the ce	entral effects of benzodiazepines, thro		L the receptor level.
		G 1 1 1 1 1 1 1 1 1 1	

Clué -	HONINE CHLORIDE (N	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Agent poisoning	Intravenous.
	Each vial contains:	methemoglobinizing: Aniline.	Adults and children:
	Methylthionine chloride trihydrate	Nitrobenzene,	
	100 mg.	Acetophenetidine. Bromates.	1 mg/kg body weight/dose, every 6 hours.
010.000.2231.00	Container with 1 vial with 10 mL.	Bromates. Fluorates.	
	Containo, mar	Hydroquinone.	Without exceeding three doses, in severe
		Organic nitrates.	methemoglobinemia.
		Generalities	
Antidote with oxida	ation-reducing properties, which oxidizes iron	n and converts the ferrous form of rec	Juced hemoglobin into the ferric form.
	Risk in Pregnancy	то	
	Г <u> </u>	Adverse effects	—
Nausea, lipoth [,]	ymia, vomiting, chest pain, sweating		
		raindications and Precautions	
	ons: Hypersensitivity to the drug. Cya		
	aradoxical response in overdose, ma		
methemoglobii	nemia secondary to methylene blue	is exsanguineous transfusion a Interactions	and ascorbic acid.
They have not		Interactions]
They nave not	been reported to date.		
IN OYON	~		
	E Description	Indications	I - contribution and dosage
~· ~.	INJECTABLE SOLUTION	Opiate poisoning.	Route of administration and dosage
		Oplate poisoning.	Intramuscular, intravenous, suboutancess.
	Each vial contains: Naloxone		Adults:
	hydrochloride 0.4 mg.		0.4 to 2 mg every 3 minutes, until the therapeutic effect
040.000.0302.00	Container with 10 vials with 1 mL.		is obtained. Maximum dose 10 mg/day.
	Outraine		
			Children:
			0.1 mg/kg body weight/dose. Apply doses every 3 minutes, until obtaining a clinical response.
			minutes, unu obtaining a since a si
	·	Generalities	
Competitive antag	onism with previously administered narcotic a		
Competitive amage	onism with previously administered naroous a	analgesics. It has no pharmacological	activity by itself.
	Risk in Pregnancy	, b	
		Adverse effects	-
Systemic arter	al hypotension, tachycardia, nausea	Adverse effects a, vomiting, diaphoresis, fascice	culations, pulmonary edema, irritability.
Systemic arter			ulations, pulmonary edema, irritability.
-		a, vomiting, diaphoresis, fascice raindications and Precautions	ulations, pulmonary edema, irritability.
	Contra	a, vomiting, diaphoresis, fascice raindications and Precautions	ulations, pulmonary edema, irritability.
	Contractions: Hypersensitivity to the medication	a, vomiting, diaphoresis, fascico raindications and Precautions on.	ulations, pulmonary edema, irritability.
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Contraindicatio None of clinica	Contractions: Hypersensitivity to the medication al importance.	a, vomiting, diaphoresis, fascice raindications and Precautions on. Interactions	Route of administration and dosage

Clue	Description	Indications		Route of administration and dosage
	INJECTABLE SOLUTION	Antimuscarinic poisoning.	by	Intravenous.
	Each vial contains: Neostigmine			Adults:
	methyl sulfate 0.5 mg.			0.5 to 2 mg, until clinical response is obtained.
040 000 0004 00				Maximum dose: 5 mg/day.
010.000.0291.00	Container with 6 vials with 1 mL.			Children:
	Clue 010.000.0291.00	INJECTABLE SOLUTION Each vial contains: Neostigmine methyl sulfate 0.5 mg.	INJECTABLE SOLUTION Antimuscarinic poisoning. Each vial contains: Neostigmine methyl sulfate 0.5 mg.	INJECTABLE SOLUTION Antimuscarinic by poisoning. Each vial contains: Neostigmine methyl sulfate 0.5 mg.



PENICYLAMINE

Clue	Description	Indications	Route of administration and dosage
	TABLET	Intoxication by:	Oral.
		Copper.	
	Each tablet contains:	Lead.	Adults:
	Penicillamine 300 mg.	Mercury.	500 to 1500 mg/day, for 10 days, in poisoning.
		Thallium.	
010.000.2202.00	Package with 50 tablets.		
		Wilson's disease.	Children:
		Cystinuria.	30 to 40 mg/kg body weight/day, for 10 days.
		Rheumatoid arthritis.	

Generalities

Chelating antidote to heavy metals, with which it forms stable and soluble complexes that are more easily excreted through urine.

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None of clinical importance.