Update date: February 1, 2024

Group No. 2: Anesthesia

ATROPINE

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Pre-anesthesia.	Intramuscular or intravenous.
			Adults:
	Each vial contains: Atropine	Cardiac arrhythmias.	
	sulfate 1 mg.		0.5 to 1 mg. Maximum dose 2 mg.
	_	Bradycardia.	
			Children:
010.000.0204.00	Container with 50 vials with 1 mL.	AV block.	0.01 mg/kg body weight every 6 hours.
			Preanesthesia: 0.01 mg/kg body weight,
			45 to 60 minutes before anesthesia. Maximum dose 0.4mg

Generalities

Anticholinergic alkaloid that competes on muscarinic receptors, selectively antagonizing the effects of acetylcholine and muscarinic medications.

muscannic medications.		
Risk in Pregnancy	С	
	Adverse effects	
Tachycardia, mydriasis, dry mucous men retention and urticaria.	nbranes, blurred vision, excitement, mental	confusion, constipation, urinary
	Contraindications and Precautions	
Contraindications: Hypersensitivity to the myasthenia gravis.	drug, glaucoma, bladder obstruction, ulcer	ative colitis, paralytic ileus and
	Interactions	
Increases the antimuscarinic actions of a	ntidepressants, antihistamines, meperidine	, phenothiazines, methylphenidate and

orphenadrine. Decreases the action of pilocarpine. Vitamin C promotes the elimination of atropine.

LIDOCAINE

Clue	Description	Indications	Route of administration and dosage
	1% INJECTABLE SOLUTION	Local anesthesia.	Intravenous.
	Each vial contains: Lidocaine	Caudal epidural anesthesia.	Adults:
	Hydrochloride 500 mg.		Antiarrhythmic: 1 to 1.5 mg/kg/dose
010.000.0261.00	Container with 5 yials of	Regional anesthesia.	administered slowly. Maintenance: 1 to 4 mg/min.
	50 mL.	Ventricular arrhythmia	Only administer diluted in intravenous solutions packaged
		(extrasystoles, tachycardia,	in glass bottles.
	2% INJECTABLE SOLUTION	fibrillation, ectopia).	Infiltration.
	Each vial contains: Lidocaine		
	Hydrochloride 1 g.		Children and adults:
010.000.0262.00	Container with 5 yials with		Maximum dose 4.5 mg/kg body weight or 300 mg.
	50 mL.		Caudal or epidural anesthesia of 200 to 300 mg.
			Regional anesthesia from 225 to 300 mg.
			Do not repeat the dose within 2 hours.
	10% SOLUTION		Local.
	Each 100 mL contains:		Apply to the region, according to the specialist
	Lidocaine 10.0 g.		doctor's indication.
010.000.0264.00	115 mL container with manual		
	spray bottle.		

Local anesthetic that blocks nerve conduction by interfering with the exchange of sodium and potassium across the cell membrane.

Adverse effects
Hypersensitivity reactions, nervousness, drowsiness, paresthesias, convulsions, pruritus, local edema and erythema.
Contraindications and Precautions
Contraindications: Hypersensitivity to the drug. Arterial hypotension. Septicemia. Inflammation or infection at the application site.
Interactions
Adverse effects increase with nervous system depressants. With opioids and antihypertensives, arterial hypotension and bradycardia occur. With other antiarrhythmics, their effects on the heart increase or decrease. Cardiac arrhythmias can occur with inhaled anesthetics.
DOCAINE EDINEDUDINE

LIDOCAINE. EPINEPHRINE

Clue	Description	Indications	Route of administration and dosage
	2% INJECTABLE SOLUTION	Local anesthesia.	Infiltration.
	Each vial contains: Lidocaine hydrochloride 1 g.	Epidural and caudal anesthesia.	Adults:
	Epinephrine (1:200000) 0.25 mg.		7 mg/kg body weight or 500 mg. Do not
010.000.0265.00	Container with 5 vials with 50 mL.	Regional anesthesia.	repeat the dose within 2 hours.
	2% INJECTABLE SOLUTION	Dental anesthesia.	Infiltration.
	Each dental cartridge contains: Lidocaine hydrochloride 36 mg Epinephrine		Adults and children:
	(1:100000) 0.018 mg		20 to 100 mg.
010.000.0267.00	Container with 50 dental cartridges with 1.8 mL.		

Generalities

Local anesthetic that blocks nerve conduction by interfering with the exchange of sodium and potassium across the cell membrane. Its effect is prolonged when combined with epinephrine.

Risk in Pregnancy

Adverse effects

Hypersensitivity reactions, nervousness, drowsiness, paresthesias, convulsions, pruritus, local edema and erythema.

Contraindications and Precautions

Contraindications: Hypersensitivity to the drug, shock states, arterial hypotension, septicemia, inflammation or infection at the application site, administration at vascular endings (fingers, ears, nose and penis). Precautions: Not recommended for children under 2 years of age.

Interactions

With central nervous system depressants, their adverse effects increase. Opioids and antihypertensives cause arterial hypotension and bradycardia. Cardiac arrhythmias may occur with inhaled anesthetics.

BUPIVACAINE

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Epidural and caudal anesthesia	Infiltration.
010.000.0271.00	Each mL contains: Bupivacaine Hydrochloride 5 mg. Container with 30 mL.	Local anesthesia.	Adults and children over 12 years of age: Caudal anesthesia: 75 to 150 mg repeat every 3 hours according to the anesthetic procedure.
			Regional anesthesia 25 to 50 mg. The single dose should not exceed 175 mg and the total dose 400 mg/day.

	INJECTABLE SOLUTION	Local anesthesia.	Local or subarachnoid infiltration.	
	Each vial contains: Bupivacaine Hydrochloride 15 mg. Anhydrous dextrose or anhydrous glucose 240 mg. or Glucose monohydrate equivalent to 240 mg of anhydrous glucose.	Subarachnoid block.	Adults and children over 12 years of age: Initial dose of 10 to 15 mg. Subsequent dose according to patient's weight and height.	
010.000.4055.00	Container with 5 vials with 3 mL.		Each dose should not exceed 175 mg and the total dose 400 mg/day.	
Generalities Local anesthetic that blocks nerve conduction by interfering with the exchange of sodium and potassium, through the cellular membrane. Risk in Pregnancy c				
		Adverse effects unconsciousness, arterial hyp	otension and cardiac arrhythmias.	
Contraindicatio	Contraind	lications and Precautions henia gravis, epilepsy, ar		
High blood pres	ssure is favored with antidepressants. V	Interactions With inhaled anesthetics,	the risk of arrhythmias increases.	

CISA I RACURIUM, BESILA I L.				
Clue	Description	Indications	Route of administration and dosage	
	INJECTABLE SOLUTION	Neuromuscular relaxation. Intrave	nous.	
	Each mL contains: Besylate		Adults:	
	cisatracurium equivalent to 2		Induction 0.15 mg/kg body weight, maintenance:	
	mg cisatracurium		0.03 mg/kg body weight.	
	Container with 1 vial with 5 mL.		Children:	
010.000.4061.00			Induction: 0.1 mg/kg body weight, maintenance:	
			0.02 mg/kg body weight.	
			Administer diluted in intravenous solutions	
			packaged in glass bottles.	

Generalities

Non-depolarizing skeletal muscle relaxant of intermediate duration, which acts as an antagonist of the nicotinic cholinergic receptors of the neuromuscular plate.

С Risk in Pregnancy

Adverse effects

Skin rash, flushing, bradycardia, hypotension, bronchospasm and anaphylactic reactions.

Contraindications and Precautions

Contraindications: Hypersensitivity to the drug, atracurium or benzenesulfonic acid.

Interactions

Inhalational anesthetics, aminoglycosides, clindamycin, lincomycin, propranolol, calcium channel blockers, procainamide and furosemide increase its effect. Phenytoin and carbamazepine reduce its effect.

DESFLURAN

Clue	Description	Indications	Route of administration and dosage
	LIQUID	Induction and maintenance of	Inhalation.
	Each container contains:	general anesthesia.	Adults:

	Desflurane 240 mL.			2.420/	
010.000.0234.00	Container with 240 mL.			2-12%	
General anesthetic that produces a loss of consciousness and pain sensations and allo				ows rapid recovery.	
Risk in Pregna	ancy	d			
Adverse effects Respiratory depression, arterial hypotension, bradycardia or tachycardia, agitation, tremor, nausea and vomiting.					
		Contraindica	ations and Precautions]	
Contraindications: Hyp	Contraindications: Hypersensitivity to halogenated anesthetics, history of malignant hyperthermia and renal failure.				
			Interactions]	
With aminoglycosides, neuromuscular blockade increases. With antihypertensives, arterial hypotension increases. Enhances the action of central nervous system depressants.					

DIAZEPAM

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Preanesthetic medication.	Intramuscular or intravenous.
	Each vial contains: Diazepam 10	Sedation.	Adults:
	mg.	Anxiety.	0.2 to 0.3 mg per kg of body weight.
040.000.0202.00	Container with 50 2 mL vials.	Convulsive syndrome.	Children weighing more than 10 kg
		Striated muscle contracture.	bodily:
			0.1 mg per kg of body weight. Single dose.
			Administer diluted solutions in
	l		IVs packaged in glass bottles.

Striated muscle contracture.

Striated muscle contracture.

Dodily:

0.1 mg per kg of body weight. Single dose.

Administer diluted solutions in IVs packaged in glass bottles.

Respiratory failure, cardiac arrest, urticaria, nausea, vomiting, excitement, hallucinations, leukopenia, liver damage, phlebitis, venous thrombosis and dependence.

Contraindications and Precautions

Contraindications: Hypersensitivity to the drug, glaucoma, myasthenia gravis, children under 10 kg body weight, pregnancy, shock. Use of other central nervous system depressants. Elderly and seriously ill patients and kidney failure.

Interactions

Enhances the effect of coumarins and antihypertensives. With disulfiram and tricyclic antidepressants, the effect of diazepam is enhanced.

ephedrine

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Arterial hypotension.	Intramuscular, intravenous or subcutaneous.
	Each vial contains: Ephedrine sulfate 50 mg.	Acute bronchospasm during anesthesia.	Adults:
			Bronchospasm: 12.5 to 25 mg.
			Hypotension: Intramuscular or subcutaneous
040.000.2107.00	Container with 100 vials with 2 mL. (25 mg/		
	mL).		25 to 50 mg. Slow intravenous 10 to 25 mg.
			Maximum dose: 150 mg/day.
			Children:
			Intravenous 100 mg/m2 body surface or subcutaneous
			3 mg/kg body weight/day; divide for every 6 hours.
			Administer diluted in intravenous solutions packaged in
			glass bottles.

040.000.2107.00	Container with 100 vials with 2 mL. (25 mg/ mL).		25 to 50 mg. Slow intravenous 10 to 25 mg. Maximum dose: 150 mg/day. Children: Intravenous 100 mg/m2 body surface or subcutane 3 mg/kg body weight/day; divide for every 6 hours. Administer diluted in intravenous solutions package glass bottles.
Bronchodilator wi	th adrenergic activity on ÿ and ÿ rece	Generalities ptors and release of norepine	phrine from the sites of
Risk in Pregr	nancy c		
Insomnia, delirium	n, euphoria, nervousness, tachycardia,		, urinary retention and dysuria.
Contraindications glaucoma and po	: Hypersensitivity to the drug, coronar	cations and Precautions ry vascular disease, cardiac] arrhythmias, cerebral atherosclerosis,
		Interactions]
	hypertension can occur with antideprention of the state o		alogenated anesthetics, the risk of

ETOMIDATE

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Anesthetic induction.	Intravenous.
	Each vial contains: Etomidate 20 mg.		Adults and children over 10 years old:
			0.2 to 0.6 mg/kg body weight.
040.000.0243.00	Container with 5 vials with 10 mL.		Administer diluted in solutions
			IVs packaged in glass bottles.

Short-term hypnotic that decreases the activity of the ascending reticular system.

Chort tollin hyprione mat accreaces are a	outry of the according reaction cycle
Risk in Pregnancy	С
	Adverse effects
Myoclonus, pain at the injection site, respiratory de	pression, arterial hypotension, cardiac arrhythmias and seizures.
	Contraindications and Precautions
Contraindications: Hypersensitivity to the	drug, during obstetric anesthesia and patients in critical condition.
,	Interactions
	Interactions
With sedative preanesthetic medications,	the hypnotic effect increases.

ENTANYL			
Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	General or local anesthesia.	Intravenous.
	Each vial or vial contains:	Moderate intensity pain during surgery.	Adults: 0.05 to 0.15 mg/kg body weight.
	Fentanyl citrate equivalent to 0.5 mg of fentanyl.		Children:
	·		Initial dose: 10 to 20 μg/kg body weight.
040.000.0242.00	Container with 6 vials or vials with 10 mL.		Maintenance dose at the discretion of the specialist.
			Administer diluted in intravenous solutions packaged in glass bottles.
	l	L	1
		Generalities	7
Opioid analgesic with	agonist activity on μ and ÿ receptors. It produce	s a state of deep analgesia and unc	consciousness.
3			
Risk in Pregr	nancy		
		Adverse effects	٦
Dooniroton, door			
and seizures.	ession, vomiting, muscle rigidity, euphori	ia, bronchoconstriction, orthos	static hypotension, miosis, bradycardia
	<u></u>		
		cations and Precautions	J
Contraindications	: Hypersensitivity to opioids, head traum	na, intracranial hypertension a	and respiratory dysfunction.
		Interactions	7
	es it causes respiratory depression. Monoamine		-

FLUMAZENIL

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Intoxication and other effects	Intravenous.
		adverse effects	
	Each vial contains:	from benzodiazepines.	Adults:
	Flumazenil 0.5 mg.		
			0.5 to 1 mg, every 3 minutes.
			Maximum dose: 5 mg.
040.000.4054.00	Container with a vial with 5 mL (0.1 mg/		
	mL).		Administer diluted intravenous solutions packaged in
	·		glass vials.
1)		Generalities	ጎ

ı		d.	
		Generalities	
	Competitive antagonist of benzodiazepines	•	•
[Risk in Pregnancy	d	_
		Adverse effects	
	Nausea, vomiting, tachycardia and anxiety.		
		Contraindications and Precautions	
	Contraindications: Hypersensitivity to the di	rug, head trauma or status epilepticus receiv	ing treatment with benzodiazepines.
		Interactions	1
	Promotes the effects of tricyclic antidepress	sants (seizures and cardiac arrhythmias)	I.

FLUNITRAZEPAM

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Anesthetic induction.	Intramuscular or intravenous.
	Each vial contains: Flunitrazepam 2 mg.	Sedation.	Older adults: 10 to 20 μg/kg body weight.
040.000.0206.00	Container with 3 vials and 3 vials		Adults:
	with diluent.		15 to 30 μg/kg body weight.
040.000.0206.01	Container with 5 vials and 5 vials		Children:
	with diluent.		Newborns 70 μg/kg.
			Children under 2 years: 70 to 80 µg/kg body weig
			From 2 to 6 years: 80 to 100 μg/kg of body weight.
			From 6 to 12 years: 40 to 50 µg/kg of body weight.
			Administer diluted in intravenous solutions packaged in glass bottles.
	1	Generalities	

Benzodiazepine that produces all degrees of depression of the central nervous system. Its mechanism of action is due to the stimulation of GABAergic receptors.

Risk in Pregnancy

x

	Auverse effects	
Drowsiness, blurred vision, dizziness, paresth	nesias, nausea, vomiting and arterial hypotens	ion.
[Contraindications and Precautions	
Contraindications: Hypersensitivity to benzodi	azepines, myasthenia gravis. Respiratory, car	diac, hepatic and renal insufficiencies.

During pregnancy and lactation.

Interactions

Synergism with morphine derivatives. Excessive depression of the central nervous system with alcohol or other depressants of the central nervous system.

ISOFLURANE

Clue	Description	Indications	Route of administration and dosage
	LIQUID OR SOLUTION	induction and maintenance of general	Inhalation.
	Each container contains: Isoflurane 100 mL.	anesthesia.	Adults:
			Induction with 0.5%.
010.000.0232.00	Container with 100 mL.		Surgical anesthesia 1.5 to 2%. Maintenance: 0.5 to 2.5%.
			Children:
			1.5%.
	,L	ι L ,	Į.
		Generalities	

General anesthetic that produces rapid loss of consciousness, with gentle adjustment of anesthetic depth and rapid recovery.

Risk in Pregnancy	d
	Adverse effects
Nausea, vomiting, headache, arterial hy	ypotension and respiratory depression.
	Contraindications and Precautions
Contraindications: Hypersensitivity to ir	nhaled anesthetics, history of malignant hyperthermia and myasthenia gravis.
	Interactions

With aminoglycosides, clindamycin, lincomycin, neuromuscular blockade is increased. With central nervous system depressants, their depressant effect increases. With antihypertensives, the hypotensive effect increases.

KETAMINE

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Induction of anesthesia	Intravenous or intramuscular.
		general.	
	Each vial contains: Ketamine		Adults and children:
	hydrochloride equivalent to 500 mg of		l
	ketamine.		Intravenous: 1 to 4.5 mg/kg body weight.
040.000.0226.00	Package with a 10 mL vial.		Intramuscular: 5 to 10 mg/kg body weight.
			Administer diluted in intravenous solutions
			packaged in glass bottles.

Generalities

It inhibits association pathways in the brain, producing somatic sensory blockade.

Risk in Pregnancy	С	
	Adverse effects	
Arterial hypertension, nystagmus, tonic a hallucinations and confusion.	and clonic movements, athetotic movements, sialorrhea	a, diaphoresis,
	Contraindications and Precautions	
	drug, glaucoma, intraocular surgery, neuropsychiatric he aorta, cerebrovascular diseases and heart failure.	conditions, toxemia,
	Interactions	

With thyroid hormones, hypertension and tachycardia increase. With other general anesthetics, its depressant effect increases.

MIDAZOLAM

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Anesthetic induction.	Deep intramuscular or intravenous.
	Each vial contains: Midazolam hydrochloride equivalent to 5 mg	Sedation.	Adults:
	of midazolam. — Midazolam 5 mg.		Intramuscular: 70 to 80 µg/kg body weight. Intravenous: 35 µg/kg body weight one hour before the surgical procedure.
040.000.2108.00	Container with 5 vials with 5 mL. INJECTABLE SOLUTION		Total dose: 2.5 mg.
			Children:
	Each vial contains: Midazolam hydrochloride equivalent to 15		Deep intramuscular or intravenous: Induction: 150
	mg of midazolam.		to 200 µg/kg body weight, followed by 50 µg/kg body weight, according to the degree of induction
	Midazolam 15 mg.		desired.
040.000.4057.00	Container with 5 vials with 3 mL.		
	INJECTABLE SOLUTION		Administer diluted in intravenous solutions packaged in glass bottles.
	Each vial contains Hydrochloride		
	of midazolam equivalent to 50 mg of midazolam.		
	Midazolam 50 mg.		
040.000.4060.00	Container with 5 vials with 10 mL.		

Generalities	

Short-acting benzodiazepine that acts mainly on the central nervous system, producing varying degrees of depression. Promotes the activity of the GABAergic system. Risk in Pregnancy Adverse effects Bradypnea, apnea, headache and arterial hypotension. Contraindications and Precautions Contraindications: Hypersensitivity to benzodiazepines, myasthenia gravis, glaucoma, shock, coma and alcohol poisoning. Precautions: Prolonged use may cause dependence. Interactions With hypnotics, anxiolytics, antidepressants, opioids, anesthetics and alcohol, depression of the central nervous system increases. **NALOXONE** Indications Description Route of administration and dosage INJECTABLE SOLUTION Opioid poisoning. Intramuscular, intravenous or subcutaneous, Adults: Each vial contains: Hydrochloride 0.4 to 2 mg every 3 minutes, until the therapeutic naloxone 0.4 mg. effect is obtained. Maximum dose 10 mg/day. 040 000 0302 00 Container with 10 vials with 1 mL. 0.1 mg/kg body weight/dose. Apply doses every 3 minutes, until obtaining a clinical response. Generalities Competitive antagonist of opioid analgesics. It lacks pharmacological activity by itself. Risk in Pregnancy Adverse effects Systemic arterial hypertension, tachycardia, nausea and vomiting. Withdrawal syndrome in narcotic addicts. Contraindications and Precautions Contraindications: Hypersensitivity to the drug, systemic arterial hypertension and acute pulmonary edema. Interactions None of clinical importance. NEOSTIGMINE Indications Description Route of administration and dosage INJECTABLE SOLUTION Intramuscular or subcutaneous. Intoxication and effects adverse effects of non-Each vial contains: Neostigmine depolarizing methyl sulfate 0.5 neuromuscular blocking 0.5 to 2.5 mg, until response is obtained. Previously administer 0.6 to 1.2 mg of atropine. Abdominal distension. 010.000.0291.00 Container with 6 vials with 1 mL. Bladder atony $0.07\ to\ 0.08\ mg/kg$ body weight, until the

Generalities

postoperative.

response is obtained. Previously administer 0.01

mg of atropine.

It inhibits the hyd	drolysis of acety	Icholine, by con	npeting with it for	acetylcholinesterase.

Risk in Preg	nancy		
		Adverse effects	٦
· ·	g, diarrhea, muscle cramps, hypersa ciculations and weakness.	ivation, bronchial secretions	, bronchospasm, bradycardia, arterial
	Contrain	dications and Precautions	
Contraindication	s: Hypersensitivity to the drug, mech	anical obstruction of the inte	stine or urinary tract.
		Interactions	٦
Medications with	anticholinergic activity increase thei	r adverse effects.	_
554 66444			
PRILOCAINE	E, PHELIPRESIN		-
PRILOCAINE	E, PHELIPRESIN Description	Indications	Route of administration and dosage
PRILOCAINE		Local anesthesia for	Route of administration and dosage Infiltration.
PRILOCAINE	Description INJECTABLE SOLUTION		Infiltration.
PRILOCAINE	Description INJECTABLE SOLUTION Each dental cartridge contains:	Local anesthesia for infiltration for:	Infiltration. Adults:
PRILOCAINE	INJECTABLE SOLUTION Each dental cartridge contains: Hydrochloride	Local anesthesia for infiltration for: Pain during	Infiltration.
PRILOCAINE	Description INJECTABLE SOLUTION Each dental cartridge contains: Hydrochloride Prilocaine 54 mg.	Local anesthesia for infiltration for:	Infiltration. Adults:
PRILOCAINE	INJECTABLE SOLUTION Each dental cartridge contains: Hydrochloride	Local anesthesia for infiltration for: Pain during	Infiltration. Adults: One or two cartridges.
PRILOCAINE Clue	Description INJECTABLE SOLUTION Each dental cartridge contains: Hydrochloride Prilocaine 54 mg.	Local anesthesia for infiltration for: Pain during	Infiltration. Adults: One or two cartridges. Children:
Clue	Description INJECTABLE SOLUTION Each dental cartridge contains: Hydrochloride Prilocaine 54 mg. Felipressin 0.054 IU.	Local anesthesia for infiltration for: Pain during	Infiltration. Adults: One or two cartridges. Children:
Clue	Description INJECTABLE SOLUTION Each dental cartridge contains: Hydrochloride Prilocaine 54 mg. Felipressin 0.054 IU. Package with 1 cartridge with 1.8 mL.	Local anesthesia for infiltration for: Pain during	Infiltration. Adults: One or two cartridges. Children:

Risk in Pregnancy b

Adverse effects

Immediate hypersensitivity reactions, depression of myocardial function, methemoglobinemia, seizures and eat.

Contraindications and Precautions

Contraindications: Hypersensitivity to the components of the formula.

Interactions

None of clinical importance.

with felipressin (vasoconstrictor).

PROPOFOL

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE EMULSION	Induction and maintenance of	Intravenous or continuous infusion.
		general anesthesia.	1
	Each vial or vial contains:		Adults:
			Induction: 2 to 2.5 mg/kg (40 mg every 10 minutes).
	Propofol 200 mg. In emulsion with or without disodium edetate		
			Maintenance: 4 to 12 mg/kg/hour.
	(dihydrate).		Children over 8 years: Induction:
010.000.0246.00	Package with 5 vials or 20 mL vials.		2.5 mg/kg.
	1 ackage with 5 vials of 20 file vials.		Maintenance: 10 mg/kg/hour.
			I maintenance: 10 mg/ng/near.
	INJECTABLE EMULSION		Administer diluted in intravenous solutions
			packaged in glass bottles.
	Each vial or vial contains:		
	Propofol 200 mg.		
	In solution with soybean oil, egg		
	phosphatide or egg lecithin and glycerol.		
010.000.0244.00	Package with 5 vials or 20 mL vials.		
	INJECTABLE EMULSION		

ı		Each vial or syringe contains: Propofol 500 mg.
l		In solution with soybean oil, egg
l		phosphatide or egg lecithin and glycerol.
	010.000.0245.00	Container with a 50 mL vial or syringe.
ı		
		Generalities
	Central nervous	system depressant, similar to benzodiazepines and barbiturates.
		b
		Risk in Pregnancy b
		Adverse effects
	Headache, vertig	o, clonic or myoclonic movements, bradycardia, apnea and changes in blood pressure.
		Contraindications and Precautions
Contraindications: Hypersensitivity to the drug or any other component of the formula.		
	Precautions. In Ca	ardiovascular, renal disorders and pancreatitis.
		Interactions
	With opioids and is increased.	sedatives they cause arterial hypotension. With inhaled anesthetics, anesthetic and cardiovascular activity

REMIFENTANIL

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION Each vial contains: Remifentanil hydrochloride equivalent to 2 mg	Indicated as agent analgesic induction or maintenance of general anesthesia in surgical	Intravenous continuous infusion. Adults and children over 1 year:
	of remifentanil.	procedures.	General anesthesia: 0.5 to 1ÿg/Kg of weight body/minute.
040.000.0248.00	Container with 5 vials.	General anesthesia and analgesia.	Analgesia: 0.1 ÿg/Kg of body weight/ minute, adjusting the speed and dose of the infusion every 5 minutes with increments of 0.025 ÿg/Kg of body weight/minute.

Generalities

Selective ÿ receptor agonist opioid with rapid onset of action and short duration of effect.

Risk in Pregnancy c

Adverse effects

Sedation, nausea, vomiting, constipation, hypotension, musculoskeletal rigidity, postoperative chills, bradycardia, acute respiratory depression and postoperative apnea.

Contraindications and Precautions

Contraindications: Hypersensitivity to the components of the formula. Do not administer epidurally or intrathecally due to its neurotoxicity.

Precautions: Like all opioids, it is not recommended for use as a single agent in general anesthesia.

Interactions

It significantly reduces the quantities or doses of inhaled and intravenous anesthetics, as well as the sedatives required for anesthesia.

<u>ROCURONIUM. BROMIDE</u>

Clue	Description	Indications	Route of administration and dosage
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	INJECTABLE SOLUTION		Muscle relaxation	Intravenous.
	Each vial or vial contains:		during surgical procedures.	Adults:
	Rocuronium bromide 50 mg.			Dosage according to the specialist's opinion.
010.000.4059.00	Package with 12 vials or 5 mL	_ vials.		It will be administered diluted in intravenous solutions packaged in glass bottles.
		(Generalities	1
Non-deporalizing	neuromuscular blocker with	h intermedia	te action and rapid onset of	action.
Risk in Pregr	nancy	С		
		A	dverse effects]
Immediate hypers	sensitivity reactions, tachyo	cardia, arteria	al hypertension and hyperser	nsitivity.
		Contraindic	ations and Precautions]
Contraindications	: Hypersensitivity to the dru	ug and bromi	ides, tachycardia and pain a	t the application site.
			Interactions]
• • • • • • • • • • • • • • • • • • • •	halogenated anesthetics a ockade with possible respir	•		d analgesics and lithium increase

ROPIVACAINE

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Local anesthesia.	Intraspinal or infiltration.
	Each vial contains: Ropivacaine hydrochloride monohydrate equivalent to 40 mg	Epidural anesthesia.	Adults: Bolus epidural block: 20 to 40 mg. Epidural block in continuous infusion: 12 to 28 mg/hour.
	of ropivacaine hydrochloride.		Infiltration and nerve block: 2 to 200 mg.
010.000.0269.00	Container with 5 vials with 20 mL.		Administer diluted in intravenous solutions packaged in glass bottles.
	INJECTABLE SOLUTION		Intraspinal or infiltration.
	Each vial contains: Ropivacaine hydrochloride monohydrate		Adults: Epidural block: 38 to 188 mg.
	equivalent to 150 mg of ropivacaine hydrochloride.		Nerve block: 7.5 to 300 mg.
010.000.0270.00	Container with 5 vials with 20 mL.		

Generalities

Long-acting amide-type local anestnetic, developed as a pure enantiomer. It has both analyesic and anestnetic effects.
Risk in Pregnancy c
Adverse effects
Arterial hypotension, nausea, bradycardia, vomiting, paresthesias, hyperthermia, headache, urinary retention, arterial hypertension, dizziness, chills, tachycardia, anxiety and hypoesthesia.
Contraindications and Precautions
Contraindications: Hypersensitivity to the drug.
Interactions
With other amide-type anesthetics it has additive effects. Verapamil, theophylline, fluvoxamine and imipramine increase its
plasma concentration.

SE	VOFL	<i>JRANE</i>
	Clue	Î

Clue	Description	Indications	Route of administration and dosage
	LIQUID OR SOLUTION	induction and maintenance of general	By inhalation.
	Each container contains:	anesthesia.	Adults:
	Sevoflurane 250 mL.		Induction: start with 1%. Concentrations between 2 and 3% produce
010.000.0233.00	Container with 250 mL of liquid or solution.		surgical anesthesia.
			Maintenance: with concentrations between 1.5 to 2.5%.
			Children: 2% concentrations.

	Generalliles	
General anesthetic that induces a gentle ar	nd rapid loss of consciousness and allows	rapid recovery.
Risk in Pregnancy	d	
	Adverse effects	
Respiratory depression, arterial hypotensic of liver and kidney poisoning.	on, bradycardia or tachycardia, agitation, t	remor, nausea and vomiting. Possibility
	Contraindications and Precautions	ĺ
Contraindications: Hypersensitivity to the drug and ha	alogenated anesthetics, history of malignant hyperth	nermia and renal failure.
	Interactions	
With aminoglycosides, neuromuscular bloc Enhances the action of central nervous sys		rterial hypotension increases.

SUGAMMADEX

1	Clue	Description	Indications	Route of administration and dosage
		INJECTABLE SOLUTION	Lock Reversal	Intravenous.
		Each vial contains:	rocuronium or vecuronium, patients with	Adults:
ı		Sugammadex sodium	syndrome und ergalngit aparoscopic abdominal	4 mg/Kg body weight, after rocuronium-induced blockade
ı		equivalent to 200 mg	surgery.	if recovery has been achieved in at least 1-2 post-tetanic
		by sugammadex		counts. The average time for recovery of the T4/T1 ratio to 0.9 is around 3 minutes.
	010.000.6168.00	Package with 10 vials with 2 mL of solution each (100 mg/mL).		
I				

Generalities

Sugammadex is a modified gamma cyclodextrin that is a selective relaxant binding agent. It forms a complex with neuromuscular blockers such as rocuronium in plasma and therefore reduces the amount of neuromuscular blocker available to bind to nicotinic receptors at the neuromuscular junction. This results in reversal of rocuronium-induced neuromuscular blockade.

Risk in Pregnancy	С		
	Adverse eff	ects	
Transient chills and/or fever during drug ir traumatic injuries, poisoning and complica			
	Contraindications and	d Precautions	
Contraindications: Hypersensitivity to the	active substance.		

Precautions: Monitor respiratory function during recovery, prolonged aPTT and PT with vitamin K antagonists, unfractionated heparin, low molecular weight heparinoids, rivaroxaban and dabigatran; reappearance of neuromuscular blockade at suboptimal doses; waiting times for readministration of neuromuscular blockers is after antagonizing with sugammadex; The use of sugammadex is not recommended in patients with severe renal failure, especially if they are on dialysis.

	Interactions	
l	Interactions	

Toremifene has a relatively high affinity constant to sugammadex and relatively high plasma concentrations may be present; some displacement of vecuronium or rocuronium from the sugammadex complex may occur.

The use of fusidic acid in the preoperative phase may delay the recovery of the T4/T1 ratio to 0.9, however, recurrence of neuromuscular blockade is not expected in the postoperative phase, since the infusion rate of the acid fusidic is a over a period of several hours and blood levels are cumulative over 2-3 days.

SUXAMETHONIUM, CHLORIDE

Clue	Description	Relaxing	Route of administration and dosage
	INJECTABLE SOLUTION	Indications	Intravenous or intramuscular.
		musculoskeletal during	
	Each vial contains: Chloride	surgical procedures.	Adults:
	Suxamethonium 40 mg.		Intravenous: 25 to 75 mg, if another dose is
			necessary 2.5 mg/minute.
010.000.0252.00	Container with 5 vials with 2 mL.		Children:
			Initial (intravenous): 1 to 2 mg/kg body weight
			Intramuscular: 2.5 to 4 mg/kg body weight.
			Maintenance: Intravenous: 0.3 to 0.6 mg/kg body
			weight every 5 to 10 minutes.
		1	
			Administer diluted in intravenous solutions packaged in
		1	glass bottles.

•	Jeneralities	

Ultrashort-acting depolarizing neuromuscular blocker.

Adverse effects	

Increased intraocular pressure, myoglobinuria, arterial hypertension or hypotension, arrhythmias, respiratory depression and apnea.

Contraindications	and	Precautions	

Contraindications: Hypersensitivity to the drug, myasthenia gravis, low cholinesterase levels, liver cirrhosis, malnutrition, exposure to insecticides, severe liver failure and hyperkalemia.

Interactions

Neuromuscular blockade is increased with opioids, aminoglycosides and inhaled anesthetics. With digitalis it favors cardiac arrhythmias. Prolonged apnea occurs with monoamine oxidase inhibitors and lithium.

SODIUM THIOPENTAL

Clue	Description	Indications	Route of administration and dosage
040.000.0221.00	INJECTABLE SOLUTION	Anesthetic agent in short	Intravenous.
		surgical procedures.	
	Each vial with powder contains:		Adults:
			3 to 4 mg/kg body weight.
	Sodium thiopental 0.5 g.		
			Children:
	Container with vial and diluent with		2 to 3 mg/kg body weight.
	20 mL.		
			Administer diluted in intravenous solutions packaged in
			glass bottles.

<u> </u>						
Ultrashort-acting thiobarbiturate that increa neuronal excitability.	ases responses to glutamate, depressing					
Risk in Pregnancy c						
Adverse effects Arterial hypotension, respiratory depression, laryngospasm, bronchospasm, cardiac arrhythmias and apnea.						
Contraindications and Precautions Contraindications: Hypersensitivity to barbiturates, porphyria, liver or kidney failure and shock.						
Increases the effect of antihypertensives at	Interactions nd central nervous system depressants.					

VECURONIUM

receptor site.

Clue	Description	Indications	Route of administration and dosage
	INJECTABLE SOLUTION	Neuromuscular relaxation	Intravenous.
		during surgical procedures.	
	Each vial with lyophilisate contains:		Adults and children over 9 years old:
			latitude 00 to 400 conflor bank constant
	Vecuronium bromide 4 mg.		Initial: 80 to 100 μg/kg body weight.
			Maintenance: 10 to 15 μg/kg of weight
			body, 25 to 40 minutes after
			initial dose.
010.000.0254.00	Package with 50 vials and 50 ampoules with 1		Administer diluted in intravenous solutions packaged in
	mL of diluent (4 mg/mL).		glass bottles.
			giaco comoci

Generalities Antagonist of cholinergic receptors. Prevents the binding of acetylcholine to muscle end plate receptors, competing for the

Risk in Pregnancy С Adverse effects Prolonged apnea, transient tachycardia, pruritus and erythema. Contraindications and Precautions Contraindications: Hypersensitivity to the drug, to other bromides and tachycardia. Interactions

With aminoglycosides, halogenated anesthetics and quinidine, its effects are increased. Opioid analgesics and lithium potentiate neuromuscular blockade.