

EMT - Oxygen Drug Profile

19 terms chingp264

Terms in this set (19)

Classes	natural gas, medicinal gas	☆
Standard Supply	Compressed gas in cylinders	☆
Mechanism of Action	<ol style="list-style-type: none"> 1. Reverses Hypoxia 2. Increases arterial oxygen 3. Increases hemoglobin saturation 4. Increases tissue oxygenation 	☆
Indications	Hypoxia, suspected hypoxia	☆
Contraindications	<ol style="list-style-type: none"> 1. Supports combustion in unsafe environment 2. No significant respiratory depression in COPD in emergency 	☆
Side Effects	<ol style="list-style-type: none"> 1. Rare respiratory depression 2. Dry Oxygen can irritate mucous membranes 	☆
Routes of Administration	Inhalation, Ventilation	☆
Onset of Action	Depends on delivery device and flow	☆
Drug Interactions	None	☆



FLASHCARDS



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MATCH



nonrebreathing mask	10-15 L/min; up to 90%	☆
Venturi mask	variable; 24-40%	☆
mouth to mouth	16%	☆
mouth to mask with supplemental oxygen	15 L/min; up to 55%	☆
bag valve mask with reservoir	15 L/min; up to 100%	☆
manually triggered ventilation device	up to 40 L/min; 100%	☆
CPAP	variable; up to 80%	☆

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Dental Hygiene Nitrous Oxide

331 terms

Section 11: Anesthesiology

97 terms

Nitrous Oxide

67 terms

Aerosolized**Medications/Oxygen Therapy**

Activated Charcoal

Trade Name: ACTi dose, Super Char, Charcodate, Liqui-Char, Aqua-Char

Classification: Antidote, Adsorbent

Action/Effects: A fine black powder with liquid that adsorbs poisonous compounds to its surface, reducing the absorption.

Indication: Oral poisonings

Over dose of a non-caustic or other burning poison

Contraindication: Do NOT use in caustic acids, alkalis, irons tablets & lithium.
There is NO value for the ETOH OD pt.

Side Effects: Constipation is possible, vomiting due to pt. intolerance

Adult & Pediatric Dose: 1gm/kg PO or slow Nasogastric or Orogastric tubes

Cautions: Not suggested in most local protocols or by national guidelines.

Some people like to spit it out at YOU!

Albuterol

Trade Name: Proventil, Ventolin

Classification: Bronchodilator, Sympathomimetic

Action/Effects: A beta2-adrenergic agonist which helps relax the bronchial smooth muscles

Indication: Asthma, Relief of bronchospasm with reversible obstructive airway disease.

Contraindications: These are relative to pt. symptoms: Cardiac dysrhythmias, Tachyarrhythmia's, Angina, HTN, diabetes

Side Effects: Tremors, Dizziness, Anxiety, Palpitations, Tachycardia

Adult Dose: 2.5mg/3ml of NS

Pediatric Dose: 2.5mg in 3cc NS > 1 year old, 1.5mg in 3cc NS < 1 year old

Aspirin

Trade Name: ASA, Baby Aspirin, Bayer

Classification: Anti-platelet, Antipyretic, NSAID

Action/Effects: Decreases platelet aggregation, prolongs clotting time. Antipyretic Activity

Indication: MI, Coronary Artery Disease, Pericarditis

Contraindication: Hypersensitivity, Pt. already on anticoagulants, Bleeding Disorders

Side Effects: Heart Burn, Nausea, Wheezing, Tinnitus

Adult Dose: 160-325mg PO chewable (2-4 tablets 81mg per tablet) Expected Dose: 324mg

Cautions: Pediatrics, GI bleeds

Epinephrine 1-1,000

Trade Name: Adrenalin 1-1,000

Classification: Bronchodilator, Cardiac Stimulant, Sympathomimetic

Action/Effects: SQ = Bronchodilator & relief of bronchial edema, Beta 1&2 IV = Increases HR, Vasoconstricts, Alpha 1 & Beta 1

Indication: Anaphylaxis, Acute Allergic Reactions, Asthma, Shock

Side Effects: Tremors, Dizziness, Anxiety, Palpitations, Tachycardia, Acute Hypertension

Adult Dose: Anaphylaxis: 0.3-0.5mg SQ.

-Upper Airway Stridor: 2mg of 1:1,000 in 3ml of NS

-Shock treatment= Infusion: as inotrope/pressor.

4 mg in 500ml NS = 8 mcg/ml titrated to effect: Usual range 2-10 mcg/minute (0.01 - 0.1 mcg/kg/minute). (Raise BP S 70-100)

Pediatric Dose: 0.01mg/kg with a max dose of 0.3mg for anaphylaxis - 0.1mg/kg ET (1-1,000) q 3-5 min w/3-5cc flush for cardiac

Naloxone

Trade Name: Narcan

Classification: Narcotic Antagonist, Opioid Antagonist

Action/Effects: Displace narcotics at the receptor sites in the CNS. Attaches to the receptors & inhibits the narcotics action

Indication: Narcotic overdose, Respiratory depression, Coma of unknown origin, man down, coma of unknown origin

Contraindication: Hypersensitivity

Side Effects: N/V, Seizures, tachycardia, HTN, diaphoresis, blurred vision, withdrawal

Adult Dose: 2-4mg IV/IM/IN/ET/IO.

Possible Dose: 0.5-1mg IV, 2mg IM/IN

(Titrate to respirations to prevent narcotic withdrawals.)

Pediatric Dose: 0.1mg/kg IV/IM with max of 2mg

Cautions: It can cause seizure from withdrawal in chronic opiate users

Oral Glucose

Trade Name

Insta-Glucose, GlucoBurst, Glucose 15, Dex 4

Class

Sugar, Carbohydrate

Action

Increases blood sugar level

Indications

Conscious patients with suspected low blood sugar.

Route

By mouth

Contraindications

Decreased level of consciousness, unable to follow commands, difficulty swallowing, high blood sugar, nausea, vomiting, patient is under 3 yo

Adverse Effects

Nausea, vomiting, high blood sugar.

Special Considerations

Must be swallowed, onset is 10 minutes, check a blood sugar before admin and at least 10 minutes after, doesn't last very long - patient will need to eat something if not being transported.

Dose

15g

