

## EMSP 2434 FINAL #1 REVIEW

Changes in intrathoracic pressures during respiration.

Lung capacity terminology and volumes

Define:

- Beck's triad
- Cullen's sign
- Grey-Turner's sign
- Hering-Breuer reflex
- Bohr effect
- Haldane effect
- Fick principle
- Cor pulmonale
- Polycythemia
- Circle of Willis
- Carotid bodies
- Loop of Henle
- Dystonia
- Myoclonus
- Trigeminal neuralgia
- Gluconeogenesis
- Glycogenolysis
- Cellular immunity
- Humoral immunity
- Primary response
- Secondary response
- Parietal pain
- Visceral pain
- Somatic pain
- Referred pain
- Aphagia
- Dysphagia
- Murphy's sign
- Erythroblastosis fetalis
- Transfusion reaction

Roles of arterial and venous gases in ventilatory rate

Acid base balance

Factors affecting alveolar diffusion

Steps in the clearing of an upper airway obstruction in adults and pediatrics.

Medications to know:

- Atrovent
- Epinephrine
- Metaproterenol

Terbutaline  
Lasix  
Nitrostat  
Atropine  
Adenosine  
Isoproterenol  
Propranolol  
Verapamil  
Compazine  
Diazepam  
Promethazine

Functions of the autonomic nervous system

Neurotransmitters of the ANS and CNS

Name and function of the 12 cranial nerves

Causes of adrenal gland suppression

GCS

Causes of seizures

CVA risk factors, Pathophysiology, S&S and treatment

IDDM, NIDDM and HHNK – Pathophysiology, S&S and treatment.

Roles of:

Insulin  
Glucagon  
Norepinephrine  
Epinephrine

Causes of anaphylaxis

Immunoglobulin - classification and action

Causes of upper and lower GI bleeding

Causes of gastroenteritis

Define:

Gastroenteritis  
Peptic ulcer  
Esophageal reflux  
Crohn's disease

Causes of Pancreatitis

Hepatitis – types and the rest...

Causes of pre-renal, renal and post-renal failure  
Statistics related to accidental poisonings

Role of poison control

Treatment of:  
Heroin OD  
Bipolar disorder  
Depression  
Schizophrenia  
Obsessive compulsive disorder

OD treatment – general principles

Spider bite treatments

Define:  
Abuse  
Addiction  
Overdose  
Dependence  
Withdrawal  
Delirium tremens

Ecstasy poisoning S&S

Main components of the inflammatory process

Oxygen-hemoglobin dissociation curve

Antibody production

Coagulation – factors that combine to form platelet “plug” and fibrin clot.

Hemophilia – chromosomal expression

High altitude respiratory complications and their treatment

Medications pre-disposing a patient to hyperthermia

Heat related illnesses and their treatment

Know core temperatures for hyperthermia and hypothermia

Why does pyrexia occur?

Gases involved in diving emergencies

Define:

- Arterial gas embolism
- Barotraumas
- Nitrogen narcosis
- Pulmonary over-pressure injury

Dalton's law

Boyle's law

Henry's law

Radiation particles and their penetration power

Components of the lymphatic system

Time frame for post exposure treatment to HIV

Hep B virus stability

Treatment of wild animal bites

Treatment and S&S of tick bites

Treatment and S&S of syphilis (know stages)

Sequelae of:

- Chlamydia
- Gonorrhea
- Herpes simplex type 2
- Syphilis

What does the acronym SADCAGES stand for?

Define:

- Anxiety disorders
- Bipolar disorder
- Conversion disorder
- Depression
- Schizophrenia
- Hypochondriasis
- Fugue state
- Munchausen's syndrome
- Burton's disease
- Mania

