

STUDY POINTS

Abnormal Vital Signs and Shock Module

MyEMCert study points can be used to focus areas of study and preparation. The study point does not contain specific information that would lead you to the diagnosis or correct answer but would instead direct you to learning and reference materials.

Abnormal Vital Signs and Shock Module Study Points

Temperature

- Diagnostic evaluation and treatment febrile respiratory illness in young adults
- Diagnostic evaluation and treatment of neutropenic fever
- Treatment of environmental emergencies
- Medications that can predispose elderly to heat stroke
- Diagnosis of neuroleptic malignant syndrome
- Treatment of exertional heat stroke
- Treatment of hypothermia
- Treatment of hypothermia unresponsive to active warming
- Treatment of cardiac dysrhythmias in hypothermic patients

Children

- Diagnostic evaluation of febrile infants
- Evaluation for sepsis in neonates

Heart Rate

- Evaluation and treatment of heart blocks
- Treatment of second-degree heart block
- Evaluation and treatment for bradydysrhythmias
- Evaluation and treatment of tachydysrhythmias
- Assessment of pacemaker function
- Treatment of pacemaker malfunction
- Evaluation and treatment of atrial flutter
- Treatment of hyperthyroidism

Children

- Management of pediatric supraventricular tachycardia

Respiratory Rate

- Diagnostic evaluation of shortness of breath
- Diagnostic evaluation and treatment of influenza-like illness
- Causes of bronchospasm
- Treatment of pulmonary embolism
- Treatment of aspiration pneumonia
- Ventilator management in acute respiratory failure
- Ventilator management of persistent hypoxia in near-drowning patient
- Use of capnography during procedural sedation
- Evaluation of potential complications in airway management
- Potential contraindications to noninvasive positive pressure ventilation (NPPV)

Children

- Discuss management of infants with bronchiolitis
- Diagnosis, risk stratification, and treatment of bronchiolitis

Blood Pressure

- Evaluation and treatment priorities of hypotension
- Treatment of cardiogenic shock with myocardial infarction
- Evaluation and treatment of hypotension in trauma
- Evaluation and treatment of hypotension in severe brain injury
- Treatment of acute adrenal crisis
- Blood pressure assessment in the patient with a left ventricular assist device (LVAD)
- Evaluation and treatment of hypertension
- Treatment of uncomplicated asymptomatic hypertension
- Evaluation and treatment hypertensive emergency
- Treatment of sympathomimetic crisis
- Treatment of acute heart failure
- Treatment of eclampsia

Children

- Treatment of hypotension after near drowning in the child

Shock

- Using bedside ultrasound to assess undifferentiated shock
- Treatment of cardiogenic shock with myocardial infarction
- Diagnosis and treatment of secondary adrenal crisis
- Diagnosis of ruptured abdominal aortic aneurysm
- Diagnosis and treatment of sepsis in elderly

Resuscitation and End-of-Life Care

- End-of-life care in the emergency department

Children

- Neonatal resuscitation
- Treatment of post-delivery neonates

Toxins, Poisons, and Adverse Drug Effects

- Diagnostic evaluation of an unknown overdose
- Treatment of polysubstance abuse
- Treatment of cocaine toxicity
- Treatment of cocaine-induced chest pain
- Diagnose sympathomimetic toxidrome
- Causes of sympathomimetic toxidrome
- Treatment of sympathomimetic crisis
- Complications of acute opioid intoxication
- Treatment of complications of Opioid Use Disorder
- Management of patients with antipsychotic medication toxicity
- Management of serotonin syndrome
- Management of salicylate overdose
- Diagnosis of methemoglobinemia
- Treatment of calcium channel blocker toxicity
- ECG changes that are common to calcium channel blocker toxicity
- Cardiac toxicity of phenothiazines
- Treatment of phenothiazine overdose
- Diagnostic evaluation of neuroleptic malignant syndrome
- Treatment of poisonous spider bites
- Medications that can predispose elderly to heat stroke

Children

- Treatment of pediatric clonidine ingestion
- Evaluation and treatment of pediatric hydrocarbon ingestion

Miscellaneous

- Evaluating vital signs in patients with mechanical circulation support devices
- Physiologic changes in pregnancy that impact vital signs
- Treatment of hyperthyroidism in pregnancy
- Treatment of hypothyroidism
- Diagnostic evaluation of altered mental status
- Treatment of a generalized seizure
- Diagnostic evaluation of myxedema coma
- Treatment of aortic dissection
- Treatment of ruptured abdominal aortic aneurysm
- Diagnostic evaluation and treatment of acute myocardial infarction
- Diagnostic evaluation and treatment of massive pulmonary embolism
- Treatment of diabetic ketoacidosis (DKA)
- Treatment electrolyte abnormalities caused by DKA
- Diagnostic evaluation of patients with zoster

Children

- Evaluation for neonatal sepsis
- Treatment of neonatal chlamydia
- Diagnostic evaluation of pediatric pharyngitis
- Treatment of pediatric non-drowning/near-drowning
- Treatment of pediatric DKA
- Treatment of pediatric sickle cell crisis
- Diagnostic evaluation of pediatric chest pain

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