

Module 4A Exam Review

This exam will cover all information contained within chapters 10,11,12,16, and 41. This is the first exam that will include ALS Assist information and skills so please read chapter 41 thoroughly. Additionally, module 4A is the first half of the medical portion of the class and many students find the information challenging. Cardiac is a big part of this module, and therefore a big part of the exam.

Chapter 10:

Vocabulary

▪ Contraindication
▪ Generic drug
▪ Trade drug
▪ Pharmacology

▪ Glucose
▪ Epinephrine
▪ MDI
▪ hypoglycemia

- Routs of administration for medications
 - Time it takes for the body to absorb meds with each rout
 - Routs that we (can/can not) use
- 6 medications that an EMT-B can assist with
 - what forms they come in
 - what conditions must exist for us to give them
 - what conditions could prevent us from giving them
 - **what those medications do to a body**
 - helpful effects (what we want it to do)-think in biological terms
 - side effects
 - what you can do if side effects occur
- Know which medications we must contact medical control in order to give and what kind of information we must give the hospital before we can ask to assist with a medication.

Chapter 11:

Vocabulary

• Respiration
• Dyspnea
• SARS
• Rales
• Stridor
• Rhonchi

• Wheezing
• Pleural effusion
• Acute
• Bradypnea
• Tachypnea
• Acute pulmonary embolism

- Area of the lungs where respirations occur
- Characteristics of (adequate/inadequate) breathing
- Hypoxic drive (what it does)
- Asthma Attacks
 - Signs and symptoms
 - How to treat them

- Progression of wheezing
- 2 forms of COPD
 - what the diseases are
 - what they do
- Acute hyperventilation syndrome
 - Signs/symptoms
 - Common causes of hyperventilation
- MDI
 - How to properly assist with it

Chapter 12

Vocabulary (know what it is and what it does)

• Sinus node	• Asystole
• Atrioventricular node	• Cardiac arrest
• Atherosclerosis	• AICD
• AMI	• Coronary arteries
• Angina Pectoris	• Aorta
• Arrhythmia	• Coronary arteries
• Ventricular tachycardia	• Myocardium

- Drop of blood (know where the blood goes in the body)
 - What is the function of each area of the heart
 - Characteristics of sections of the heart
 - Where blood goes after it leaves the heart
- Difference between an AMI and angina pectoris
- Signs and symptoms of cardiac compromise (ie: heart attack)
- Why people most often die suddenly after an AMI
- What defibrillation does
- Effects that V-tac has on the body and why it has those effects
- AICD (common malfunctions and their symptoms)
- Nitro
 - What it is
 - What it does
 - When to use it
 - When not to use it
- CHF (signs/symptoms)
- AED
 - How to use
 - When to use
 - Errors that can occur
 - Placement of pads (where they go)
- CPR, CPR, CPR

Chapter 16

- Anaphylaxis
- Histamines
- Epinephrine
 - Effects (when they will present)
 - Side effects (when they will present)
 - When you use it
 - What it does
 - How it's given
 - How much to give (adult vs. child)
 - Where to give it (adult vs. child)
 - AnaKits and how to use them
- What happens to the body during an allergic reaction
 - What does Epi. Do to counteract that
- Signs and symptoms of anaphylaxis
- complications associated with bee stings
 - how to treat them
- deaths from Anaphylaxis occur during what time period
- fire ant bites (what they look like/how to treat them)
- yellow jacket stings (signs/symptoms) –treatments

Chapter 41

- P wave
- Ventricular depolarization is represented by this
- SA node pace
- Sinus bradycardia (when it is normal when it isn't)
- Sinus tachycardia
 - What effects it has on the heart and why
- V-fib
- V-tac.
- Asystole
- Shockable rhythms
- Placement of arm leads

Know you Medical Assessment and Cardiac/AED sheets!!!!!!!!!!!!!!!!!!!!!!

The following list consists of pages from the textbook that we **Highly** recommend you read and re-read several times. Although it is important that you read and understand all of the information provided to you within the chapters you may want to place extra emphasis on the information provided on these specific pages.

344, 345, 349, 350, 351, 355, 366, 368, 370, 373, 374, 377, 383, 384, 402, 403, 404, 408, 409, 411, 415, 416, 419, 426, 427, 500, 502, 503, 504, 505, 507, 508, 512, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191

Reviews are not designed to take the place of reading the textbook. It is still important that you read and understand the chapters, complete your workbooks in a timely manner, and pay attention during lectures. Ultimately you are responsible for your own education. Good luck and study hard.