

## Mod 5 Exam Review

This exam will cover the entire content of chapters 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30. You are responsible for all of the information contained within these chapters. This exam is **heavy** on vocabulary. It also requires a certain amount of mathematical skill (ie blood loss and burn percentages.)

### Vocabulary

- |                    |               |
|--------------------|---------------|
| • Tendons          | • Hematoma    |
| • Ligaments        | • Pupil       |
| • Hemoptysis       | • Sclera      |
| • Conjunctivitis   | • Cornea      |
| • Evisceration     | • Conjunctiva |
| • Hyphema          | • Orbit       |
| • Pneumothorax     | • Globe       |
| • Hemothorax       | • Dermis      |
| • Hemopneumothorax | • Epidermis   |
| • Abrasion         | • Maxilla     |
| • Contusion        | • Mandible    |

### Chapter 21 Kinematics

- passengers in the rear of a vehicle wearing only lap belts sustain what types of injuries?
- Types of motor vehicle collisions (lateral, rollover, etc)
  - What types of injuries are usually sustained with them
- MOI (significant vs. non-significant)
  - How you treat each
- Work
- Energies
  - Potential
  - Kinetic
- Speed vs. size (what has the greatest potential for damage)
- GSW's
  - How to treat
  - Why bullets make life so complicated for us

### Chapter 22 Bleeding

- Epistaxis
  - Treatment
  - Common problems and concerns
- Amounts of blood in the human body
  - equations for kg body weight to liters of blood
  - what amount of blood the body can lose
    - comfortably
    - before significant changes occur (know what *significant* means)
    - child vs. adult
- First step when dealing with blood

- Bleeding of abdominal organs and the signs and symptoms associated with each specifically.
- PASG pants (when to use it/ how to properly use it)
- Steps for controlling bleeding (practical sheet)
- Drop of blood (sorry guy's)

## **Chapter 23 Shock**

- What is shock
- Causes of shock
  - Signs & symptoms
  - Treatments
- Compensated vs. decompensated

## **Chapter 24 Soft Tissue Injuries**

- Burns
  - How to gauge severity
  - Critical (% of body burned and areas burned)
  - Palmar method
  - Pediatric vs. adults
  - Degrees (thickness)
    - Treatment
    - What not to do
  - Airways burns
    - Signs/symptoms
    - Treatment
- Eviscerations (treatment)
- Impaled objects
  - How to treat
  - Times you can remove it
- Open neck injuries (complications)
- Compartment syndrome (when it occurs)
- Electrical burns
  - How they happen
  - How to treat

## **Chapter 25 eye injuries**

- what happens to the eyes with head injuries
- what normal eyes do
- retinal detachment (what it is, signs and symptoms)
- treatment for eye injuries (impaled objects, lacerations, burns, etc)

## **Chapter 26 Face and Throat Injuries**

- why facial injuries are so serious
- ear injuries (avulsions, lacerations, foreign objects) treatment for each
- arterial bleed from the neck (how do you control bleeding)
- facial trauma should increase suspicion for other types of injuries?
- Open neck injuries (complications)*Yes I know it's in here twice*
- Vomiting blood (what do you do?)

## **Chapter 27 Chest Injuries**

- Common signs and symptoms
- Open vs. closed chest injuries
  - Treatments for each
  - (please know what terms can be used interchangeably and what can not)
- Know what chest injuries usually do to the airway and how to treat that
- Chest wall Asymmetry
- Rib fractures
  - Flail chest
  - Signs symptoms
- Pleural fluid (what it is, where it's found)
- Hemothorax, pneumothorax, hemopneumothorax (signs and symptoms)

## **Chapter 28 Abs. & Genitalia**

- Abdominal quadrants
- Organs located in each quadrant
- Hollow vs. solid organs
- Signs and symptoms associated with injury to each organ
- Bleeding into the abdominal cavity (signs and symptoms/ treatment)
- Pelvic fractures and how they affect the abdomen
- Sexual assault (how to treat it: both physically and emotionally)
- Mesentery
- Guarding

## **Chapter 29 Musculoskeletal**

- Types of fractures (treatments)
- Types of muscle injuries
- Splinting practical sheets (know them)

## **Chapter 30 Head and Spinal Injuries**

- Areas of the spinal column (in order)
- Sympathetic nervous system (what it is, what it does)
- What happens to a patient with a spinal injury
- Treatment for possible skull fractures

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.

**632, 653, 655, 682, 689, 700, 701, 716, 717, 736, 737, 738, 748, 760, 769, 779, 786, 787, 798, 800, 836, 837, 876, 880, 886,** 633, 634, 639, 641, 643, 644, 645, 651, 656, 660, 663, 666, 669, 678, 683, 690, 698, 704, 705, 712, 713, 715, 721, 723, 741, 758, 762, 764, 766, 780, 783, 780, 781, 782, 784, 801, 812, 820, 822, 825, 826, 832, 833, 839, 872.