Chapter 23: Bleeding

After managing \_\_\_\_\_\_\_\_\_\_\_, recolonizing \_\_\_\_\_\_\_\_\_\_\_\_ is perhaps the most important skill you will learn.

Bleeding can be \_\_\_\_\_\_\_\_\_\_ and obvious or \_\_\_\_\_\_\_\_\_\_\_ and hidden.

The cardiovascular system circulates \_\_\_\_\_\_\_ to all the body's \_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_ delivering \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_ and carrying away \_\_\_\_\_\_\_\_\_\_\_\_ waste products.

Cells in the \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_ cannot tolerate a lack of blood for more than a few \_\_\_\_\_\_\_\_\_\_.

Cells in other organs, such as the \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_, can survive for almost 1 \_\_\_\_\_\_\_ while \_\_\_\_\_\_\_\_\_\_ muscle cells may survive for 2 \_\_\_\_\_\_\_.

Three parts of adequate blood flow:

* \_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_

The heart is an \_\_\_\_\_\_\_\_\_\_\_ muscle that is under control of the \_\_\_\_\_\_\_\_\_\_\_\_\_ nervous system, but has its own regular system.

First, the heart cannot tolerate a \_\_\_\_\_\_\_\_\_\_ of its blood supply for more than a \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.

Second, the heart works in \_\_\_ paired pumps. Each side of the heart has an \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ (atrium) and a \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_(ventricle).

The right side of the heart receives \_\_\_\_\_\_\_\_\_-\_\_\_\_\_\_ (deoxygenated) blood from the veins of the body.

Blood enters the \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ from the \_\_\_\_\_\_ \_\_\_\_\_\_ then fills up the right ventricle.

5 types of Blood Vessels:

* \_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_

As blood flows out of the heart, it passes into the \_\_\_\_\_, the largest \_\_\_\_\_\_\_ in the body.

The smaller the vessels that connect the arteries and capillaries are called \_\_\_\_\_\_\_\_\_. \_\_\_\_\_\_\_\_\_\_ are the small tubes, with the diameter of a single red blood cell, that pass among all the cells in the body, linking the \_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_.

When the muscles are \_\_\_\_\_\_\_\_\_ (constricted), there is no capillary blood flow. The muscles dilate and constrict in response to conditions such as \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_, and a specific need for \_\_\_\_\_\_\_\_\_\_, and the need to dispose of \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_ is the circulation of blood within an organ or tissue in adequate amounts to meet the cells' current needs for \_\_\_\_\_\_\_\_\_\_.

The brain and spinal cord can be injured after \_\_\_ to \_\_\_ minutes without \_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ means bleeding.

Signs and Symptoms of Hypovolemic Shock:

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The body will not tolerate an acute blood loss of greater than \_\_\_\_\_% of blood volume. The typical adult has approximately \_\_\_\_\_ mL of blood per \_\_\_\_\_\_\_\_\_ of body weight.

On its own, bleeding tends to stop rather quickly, within about \_\_\_\_ minutes, in response to internal \_\_\_\_\_\_\_\_\_, and exposure to \_\_\_\_\_.

A clot forms, plugging the hole and sealing the injured vessel. This process is called \_\_\_\_\_\_\_\_\_\_\_\_.

A very small portion of the population lacks one or more of bloods clotting factors. This condition is called \_\_\_\_\_\_\_\_\_\_\_\_.

Bleeding into the chest may cause \_\_\_\_\_\_\_\_ in addition to tachycardia and hypotension. A bruise is also called a \_\_\_\_\_\_\_\_\_, or \_\_\_\_\_\_\_\_\_\_\_\_. A \_\_\_\_\_\_\_\_\_\_, a mass of blood in the soft tissues beneathe the skin.

Hematemesis:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Melena:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Hemoptysis:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

In older patients, \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_, or weakness may be the fist sign of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

As you begin to care for a patient with obvious external bleeding, remember to follow standard precautions. This includes, at the very least, \_\_\_\_\_\_\_\_ and \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_.

Several methods are available to control external bleeding . Start with the most commonly used; these include the following:

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Elevate the bleeding extremity by as little as \_\_\_\_\_'' while applying \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

If allowed by local protocol and policy, you should move to the use of a \_\_\_\_\_\_\_\_\_\_\_\_\_ without attempting \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_.

A \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ is a spot where a blood vessel lies near a bone.

\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ can control internal and external \_\_\_\_\_\_\_\_\_\_\_\_\_ associated with severe injuries, such as \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ can help stabilize the fractures as well as reduce pain and prevent further damage to soft-tissue injuries.

\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ are designed to stabilize femur fractures.

Several conditions can result in bleeding from the nose, ears, and/or mouth, including the following:

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_, or nose bleeding, is a common emergency.

Bleeding from the \_\_\_\_\_\_ \_\_\_\_\_\_ after a head injury may indicate a skull fracture. Loosely cover the bleeding site with \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_, and apply light \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by wrapping the dressing loosely around the head.

When \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ is present in blood or drainage, a stain in the shape of a \_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_ will appear.