

CONCEPT: BLOOD, LYMPHATIC, AND IMMUNE SYSTEMS: VOCABULARY

Pathology

- ◆ Medical terms describing components, conditions, and clinical disorders.

Medical Term	Definition	Memory Tool
Serum	Clear, yellowish fluid that remains after _____ factors & blood cells are removed.	 SE parated RUM .
Albumin	Most _____ proteins found in blood to maintain volume, pressure & transportation.	 ALL Body Maintenance.
Pernicious	Characterized as being _____, harmful or destructive.	 PER haps PaNIC .

Medical Term	Definition	Memory Tool
Graft Versus Host Disease (GVHD)	Condition where immune cells from donated tissue (_____) attacks the recipient's body (______).	 Graft Vengeance Hurts Donee.
Carinii Pneumonia	A fungal infection that affects those with weakened immune systems.	 Canary in a PNEU-mine.
Thalassemia	_____ blood disorder with a deficiency in hemoglobin production.	 THin Blood.

EXAMPLE

From the choices provided, which population would be most at risk of developing severe carinii pneumonia?

- Healthy newborns and infants.
- Immunocompromised individuals with HIV/AIDS.
- A fit elderly individual within a nursing home.
- Healthcare professionals working in a respiratory infection unit.

PRACTICE

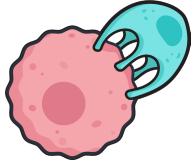
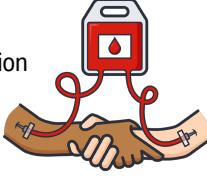
Which of the following factors is the most likely to increase the risk of graft vs host disease (GVHD)?

- Matching white blood cell antigens between two siblings.
- An autograft by the patient.
- A significant difference in human leukocyte antigens between the recipient and donor.
- The donor and recipient are not directly related.

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Diagnostic and Therapeutic Terms

- ◆ Medical terms that relate to diagnostic or therapeutic _____.

Medical Term	Definition	Memory Tool
CD4 Cell Count	Serum blood test to monitor progress of _____; CD4 is the antigen the cell uses to fight disease.	 Cell Destruction 4 AIDS
ELISA	_____ test commonly used for HIV that measures proteins and other metabolic substances.	 Enzyme Linked Immuno Sorbent Assay
C-Reactive Protein (CRP)	Blood test for inflammation that measures the C-reactive protein produced and released by the liver.	 Critical Redness Predictor
Autologous Transfusion	Transfusion of one's _____ blood.	 All By Oneself
Homologous Transfusion	Transfusion received from _____ people.	 Same Home Donation
Doppler	Radiological device that measures blood flow through sound to evaluate atherosclerosis.	 Doppler Effect

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EXAMPLE

For a person undergoing successful HIV treatment, what trend would be observed with CD4 cell count over time?

- a) It becomes a useless metric to track effectiveness.
- b) It should show a steep decline in functional units.
- c) It could predict a person's longevity.
- d) It assesses the degree of immune system recovery.

PRACTICE

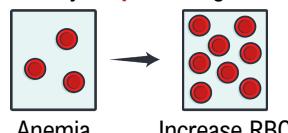
Which of the following is a potential risk of an autologous transfusion?

- a) The development of a hemolytic disease because of incompatibility.
- b) Inadvertent reinfusion of bacterial and other microbial contaminants.
- c) Development of GVHD between the donor's blood and the recipient.
- d) Acquiring of a new infectious disease from the donor.

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Pharmacology

- ◆ Terms that deal with the study of _____ and their effects.

Medical Term	Description of Function	Memory Tool
Heparin	_____ acting anticoagulant used during surgery.	
Statins	Drug that _____ cholesterol in the blood.	
Epoetin Alfa	Stimulating agent that triggers _____ blood cell formation from bone marrow.	

EXAMPLE

What is the most common adverse effect associated with overuse of heparin?

- a) Thrombocytopenia
- b) Leukopenia
- c) Pancytopenia
- d) Thrombophilia

PRACTICE

An uncommonly life-threatening side effect with improper use of statins is rhabdomyolysis. Which of the following is a good description of this side effect?

- a) Dissolves existing blood clots.
- b) A rapid breakdown of skeletal muscle cells.
- c) A tremendous loss of both muscle and fat tissue.
- d) A rapid buildup of striated skeletal muscle cells.