

A man was diagnosed with acute radiation sickness. During laboratory testing, a sharp decrease in serotonin in platelets was detected. The metabolism of which substance caused these indicators?

Histidine

Tyrosine

Phenylalanine

5-hydroxytryptophan

Serine

One of the pathogenetic links in the development of radiation sickness is the intensification of free radical oxidation processes. What substances are the main source of free radical formation?

Hormones

Proteins

Lipids

Carbohydrates

Water

The patient was diagnosed with the bone marrow form of acute radiation sickness. Which of the following hematological symptoms will be observed during the flare-up period?

Erythrocytosis

Left shift of the leukocyte formula

Relative lymphocytosis

Relative lymphopenia

Pancytopenia

As a result of radiation, hematopoietic stem cells were damaged. The formation of which connective tissue cells will be disrupted?

Fibroblasts

Melanocytes

Pericytes

Adipocytes

Macrophages

After radiation exposure, the doctor recommended that the patient increase the content of vegetable oils in the diet - sources of polyene fatty acids. Name the acid that contains three double bonds:

Linolenic

Arachidonic

Myristic

Oleic

Lauric

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