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On the autopsy of the woman, which suffered of chronic dysentery in the strom and parenchyma of myocardium, kidneys, in the mucous tunic of the stomach, in the conjunctive tissue of the lungs purple amorphous sediments, positive by the Koss' reaction, is determined. What pathological process developed in the viscera of the sick?

- + metastatic calcification
- dystrophic calcification
- metabolic calcification
- amiloidosis
- hyalinosi

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The sick suffered of the bipartite involvement of the adrenal glands. Dark brown staining of coverlet appeared, during the histochemical study of the skin Perl's reaction is negative. What pigment caused the change of skin colour?

- + melanin
- hemosiderin
- porphyrin
- lipofuscin
- biliverdin

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An emaciated sick, who died of the gullet cancer, atrophy of the liver, heart, disappearance of fatty tissue had, found on the postmortem examination. At the same time in cytoplasm of cardiomyocytes, while histological examination of putrid material, there are, not far from nuclei, sediments of brown-yellow granules and blocks, which do not give positive Perl's reaction. What substance is it?

- + lipofuscin
- melanin
- hemosiderin
- ferrugin
- homomelanin

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While postmortal examination of a man, 55 years old, who suffered of chronic form of tropical malaria for last 8 years, it was found that brain's grey matter and spleen are of scaly-grey colour. What pigment determined such colouring?

- + malarial pigment
- hematoporphyrin
- lipofuscin
- melanin
- hemosiderin

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A man suffered inter vivos of multiple bronchiectasis, pulmonary fibrosis with pronounced symptoms of cachexy, on the postmortal examination heart is reduced; sides became thinner, of slack consistence, on the section tissue is of brown colour. The deposition of what pigment is observed in myocardium?

- + lipofuscin
- hemosiderin
- hematoidin
- ceroid
- lipochromes

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In the piece of skin, 1x2 cm, which was delivered for histological examination, a new growth of brown colour 0,5cm in diameter, was found. Microscopically the growth consists of nevus cells in the form of bands and nests, which are situated in the corium, with brown pigment in cytoplasm, which gives the negative Perl's reaction. What pigment is the most likely to be?

- + melanin
- hematoidin
- hemosiderin
- bilirubin
- malaria pigment

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A man 34 years old, with adrenal gland tuberculosis skin on the postmortal examination is of grey-brown colour, blood arterial pressure (inter vivos) was lowered, adynamy and reduction of the level of 17-oxycortroids in urine and blood plasma were observed. Disturbance of what pigment determined symptoms the sick had?

- + melanin
- bilirubin
- lipofuscin
- lipochrome
- malaria pigment

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A patient had had syphilis many years ago, which he didn't treated. While operation surgeon in the lower edge of liver saw clear-cut, pale-yellow slack area and resected it. While microscopical examination pathologist saw, that this area is presented by dryish unstructured paste-like yellow-white mass. He decided it is:

- + caseous necrosis
- infarction
- wax-like necrosis
- fibrinous necrosis
- steatonecrosis

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The sick of subacute septic endocarditis while examination the doctor noticed general paleness and icteriousness of scleras and visible mucous tunics. In blood it was found an increased level of indirect bilirubin. Yellow skin, sclera and mucous tunic colouration is the manifestation of:

- + adrenal jaundice
- fatty degeneration
- hemosiderosis
- hepatic jaundice
- subhepatic jaundice

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In the mucus of the sick with mitral heart insufficiency cells with brown pigment were found. Perl's reaction is positive. What pigment is this?

- + hemosiderin
- hematoidin
- melanin
- porphyrin
- bilirubin

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On the post mortal examination of the sick, 65 years old, which died of chronic impaired cardiac function in the result of rheumatic heart disease; lungs are brown, enlarged, and dense. How are such lungs changes called?

- + brown lungs induration
 - nutmeg lungs
 - honeycomb lungs
 - chronic bronchitis
 - chronic emphysema
- ?

The sick suffered of malaria. While post mortal examination there are: pronounced icteritiousness of skin, sclera and mucous tunics. Spleen is enlarged, of flaky-grey colour. Flaky grey colour of spleen is determined by:

- + malaria pigment
 - hemosiderin
 - lipofuscin
 - melanin
 - hemoporphyrin
- ?

On the postmortal examination of the man, who died of chroniosepsis atrophy of skeletal muscles and brown atrophy of liver myocardium were revealed. Exchange violation of what pigment had the dead?

- + lipofuscin
 - lipochrome
 - hemosiderin
 - malaria pigment
 - melanin
- ?

A man suffered of hemoblastosis for a long time. On the postmortal examination it was revealed that marrow, spleen, liver, glands are brown. Histochemical reaction of Pearls was made. It was determined, that reticular endothelial elements of these organs contain dark blue granules. What pigment was found using this reaction?

- + hemosiderin
 - bilirubin
 - hematin
 - hematoidin
 - hematoporphyrin
- ?

The sick had an acute stomach ulcer, which complicated by stomach hemorrhage. Vomit masses are of dark brown colour, which are described as "coffee-grounds vomiting". Existence of what pigment in vomiting determined such coloration?

- + muriatic hematin
 - haemoglobin
 - bilirubin
 - malaria pigment
 - iron sulphide
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By the sick, which suffered of secondary syphilis, focuses of skin depigmentation in upper part of back appeared. Name the pathological process in skin.

- + leukoderma
- metaplasia
- leukoplakia

- dysplasia
- parakeratosis
- ?

By the sick of stomach ulcer with hemorrhage while endoscopy in the stomach a liquid of coffee-grounds colour was found. What pigment determined such colour of stomach contents?

+ muriatic hematin

- hemosiderin
- bilirubin
- ferritin
- porphyrin

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A woman, who was brought to the hospital after a bite of Levantine viper (poisonous snake) intravascular hemolysis is sharply pronounced. On the postmortal examination spleen, marrow and glands had brown coloration. While microscopical examination in cytoplasm of macrophages it was found plenty of brown pigment. What pigment accumulated in tissues?

+ hemosiderin

- hematoidin
- hematin
- lipofuscin
- bilirubin

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On the postmortal examination of woman's corps, 63 years old, who suffered of rheumatism and combined mitral disease, cusps of mitral valve are sharply thickened, adnated, of rocky thickness, while dissection crunch is evident. What pathological process determined rocky thickness?

+ dystrophic calcification

- metastatic calcification
- metabolic calcification
- fibrinoidosis
- amyloidosis

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The sick with insufficiency of mitral valve coughing, got phlegm of rusty colour. What pigment determined such colour of phlegm?

+ hemosiderin

- melanin
- haemoglobin
- malaria pigment
- sulfur iron

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In case of typhoid necrotic aggregated glands of small intestine are coloured in yellow-brown colour. What pigment impregnates necrotic tissue?

+ bilirubin

- haemoglobin
- lipofuscin
- indole
- melanin

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