**Subject:** Questioning, examination and palpation of patients with the disesases of gallbladder and bile ducts. Laboratory and instrumental methods of bile passes examination.

Table 1.General information

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| --- | --- | --- |
| 1 | School | Astrakhan SMU |
| 2 | Speciality | General medicine |
| 3 | Discipline | [Propaedeutics of Internal Diseases](https://www.multitran.com/m.exe?s=Propaedeutics+of+Internal+Diseases&l1=1&l2=2) |
| 4 | Author of the tasks | V.V. Antonyan, E.A. Uklistaya, A.V. Dedov,А.А.Panov, N.V.Kamneva, S.G. Kasatkina |
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| 7 | SNILS | - |

Table 2.List of tasks in the discipline

|  |  |  |
| --- | --- | --- |
| **Type** | **Code** | **Text of a job function title /a question of the task/possible answers** |
| Ф |  |  |
|  |  |  |
| В | 001 | After hepatic colic attack a patient has a full common bile duct obstruction. How do the indicatorfs of pigment exchange vary? |
| О | А | conjugated (direct) bilirubin increased in blood |
| О | А | no urobilinoids in urine |
| О | B | unconjugated (indirect) bilirubin increased in blood |
| О | C | uribilinoids increased in urine |
| О | D | neither blood no urine value changes |
|  |  |  |
| В | 002 | What values are pathologic? |
| О | А | [bromsulfalein test](https://www.multitran.com/m.exe?s=bromsulfalein+test&l1=1&l2=2) in 45 min – 15% |
| О | B | Sublimate test 1,8ml |
| О | C | total bilirubin 15,5 mсmol/l |
| О | D | direct bilirubin 3, mсmol/l |
| О | E | all values are pathologic |
|  |  |  |
| В | 003 | What is [stercobilinogen](https://www.multitran.com/m.exe?s=stercobilinogen&l1=1&l2=2) formed of? |
| О | А | bilirubin |
| О | B | urobilinogen |
| О | C | urobilin |
| О | D | directly of erythrocytes  |
| О | E | [hemoglobin](https://www.multitran.com/m.exe?s=glycated+hemoglobin&l1=1&l2=2)  |
|  |  |  |
| В | 004 | In mechanic jaundice (posthepatic) we can see the following changes: |
| О | А | conjugated (direct) bilirubin increased in blood |
| О | А | no urobilinoids in urine |
| О | А | feces become acholic |
| О | B | unconjugated (indirect) bilirubin increased in blood |
| О | C | uribilinoids observed in urine |
|  |  |  |
| В | 005 | A patient complains on periodical “aching” pains in the right [hypochondrium](https://www.multitran.com/m.exe?s=hypochondrium&l1=1&l2=2) with radiation to the right shoulder and shoulder blade. Pains occur after taking fried and greasy food. Palpatory, the hepar is not enlarged, but there is painfulness in the area of gallbladder. During the analysis of A bile, there are 4-5 leucocytes in vision; B bile: leucocytes are 20-30 in vision, a lot of epithelial cells, mucus; C bile: leucocytes – 0-1 in vision. What diagnosis does it say about?  |
| О | А | chronic cholecystitis |
| О | B | [chronic hepatitis](https://www.multitran.com/m.exe?s=chronic+hepatitis&l1=1&l2=2) |
| О | C | [hepatic cirrhosis](https://www.multitran.com/m.exe?s=hepatic+cirrhosis&l1=1&l2=2) |
| О | D | [dyskinesia of bile ducts](https://www.multitran.com/m.exe?s=dyskinesia+of+bile+ducts&l1=1&l2=2) |
| О | E | chronic [cholangitis](https://www.multitran.com/m.exe?s=cholangitis&l1=1&l2=2) |
|  |  |  |
| В | 006 | What kind of jaundice has the following indicators? In blood: total bilirubin 109,5 mcmol/l; direct bilirubin 92,4 mcmol/l; indirect bilirubin 17,1 mcmol/l. In urine: bilirubin reaction is positive, no urobilin. Feces: stercobilin absence.  |
| О | А | mechanic (posthepatic) |
| О | B | [hematolytic](https://www.multitran.com/m.exe?s=hematolytic&l1=1&l2=2) (prehepatic) |
| О | C | parenchimal (hepatic) |
| О | D | [pseudojaundice](https://www.multitran.com/m.exe?s=pseudojaundice&l1=1&l2=2) |
| О | E | all kinds of jaundice |
|  |  |  |
| В | 007 | Is there any bilirubin in urine during mechanic (posthepatic) jaundice?  |
| О | А | there is only direct (conjugated) bilirubin |
| О | B | there is no one |
| О | C | there is only indirect (unconjugated) bilirubin |
| О | D | there are both fractions of bilirubin |
| О | E | there is urobilin |
|  |  |  |
| В | 008 | What is characteristic of [pseudojaundice](https://www.multitran.com/m.exe?s=pseudojaundice&l1=1&l2=2)? |
| О | А | yellowness of skin only |
| О | А | total bilirubin in blood is normal |
| О | B | total bilirubin in blood is increased |
| О | C | yellowness of skin and eye sclera |
| О | D | yellowness only of eye sclera |
|  |  |  |
| В | 009 | Which enzymes activity measures correspond to norm? |
| О | А | AST – 0,46 mmol/l. per hour |
| О | А | ALAT – 0,64 mmol/l. per hour |
| О | А | aldolase – 5 units/l |
| О | B | [alkaline phosphatase](https://www.multitran.com/m.exe?s=alkaline+phosphatase&l1=1&l2=2) – 150 units/l |
| О | C | ALAT – 1,5 mmol/l. per hour |
|  |  |  |
| В | 010 | Which enzymes activity is increase in cholestasis syndrome? |
| О | А | [alkaline phosphatase](https://www.multitran.com/m.exe?s=alkaline+phosphatase&l1=1&l2=2) |
| О | B | AST |
| О | C | ALAT |
| О | D | [lactate dehydrogenase](https://www.multitran.com/m.exe?s=lactate+dehydrogenase&l1=1&l2=2) |
| О | E | amylase |
|  |  |  |
| В | 011 | Which diseases of hepato-biliary system are characterized by increasing of cholesterol and lipoproteins in blood? |
| О | А | gallstone disease (common bile duct obstruction) |
| О | А | [primary biliary cirrhosis](https://www.multitran.com/m.exe?s=secondary+biliary+cirrhosis&l1=1&l2=2) of the hepar |
| О | B | [chronic cholecystitis](https://www.multitran.com/m.exe?s=chronic+cholecystitis&l1=1&l2=2) |
| О | C | chronic [persistent hepatitis](https://www.multitran.com/m.exe?s=persistent+hepatitis&l1=1&l2=2) |
| О | D | portal cirrhosis of hepar |
|  |  |  |
| В | 012 | What diseases are most likely characterized by disorder of excretory function of the liver? |
| О | А | chronic [active hepatitis](https://www.multitran.com/m.exe?s=persistent+hepatitis&l1=1&l2=2) |
| О | А | cirrhosis of the hepar |
| О | B | [chronic cholecystitis](https://www.multitran.com/m.exe?s=chronic+cholecystitis&l1=1&l2=2) |
| О | C | chronic [persistent hepatitis](https://www.multitran.com/m.exe?s=persistent+hepatitis&l1=1&l2=2) |
| О | D | gallstone disease |
|  |  |  |
| В | 013 | Which of the listed ways of testing are not used for diagnostics of bile ducts diseases?  |
| О | А | needle biopsy of the liver |
| О | B | [ultrasonic scanning](https://www.multitran.com/m.exe?s=ultrasonic+scanning&l1=1&l2=2) |
| О | C | [holecystography](https://www.multitran.com/m.exe?s=cholecystography&l1=1&l2=2)  |
| О | D | [cholangiography](https://www.multitran.com/m.exe?s=cholangiography&l1=1&l2=2) |
| О | E | duodenal intubation |
|  |  |  |
| В | 014 | Hazards of gallstone disease: |
| О | А | all listed |
| О | B | genetic predisposition |
| О | C | low content of dietary fibers  |
| О | D | using of oral contraceptives  |
| О | E | female sex |
|  |  |  |