**Test control**

**The theme of the lesson «Escherichioses»**

SELECT ALL THE CORRECT ANSWERS

1. E. coli is:

1.bacteria

2. virus

3. protozoa

2. E. coli is:

1. gram-negative

2. gram-positive

3. Primary sources of infection and play the most important role in the spreading of the disease are patients with:

1. mild forms

2. abortive forms

3. severe form

4. Mechanism of transmission is:

1. fecal-oral

2. airborne

3. transplacental

5. The maximum incubational period of Escherichioses is:

1. 3 days

2. 5 days

3. 7 days

6. ETEC are:

1. invasive

2. non-invasive

7. Frequently ETEC patients have symptoms of intoxication

1.mild intoxication

2. severe intoxication

8. The differential diagnoses of ETEC include:

1. rotavirus infection

2. Norwalk virus infection

3. bacterial dysentery

4. Salmonella infection

9. EPEC is more characteristic for:

1. older person

2. children

10. EHEC may cause:

1.bloody diarrhea

2.hemolytic-uremic syndrome

3. respiratory disorders

4. kidney failure without fever

11. Hemolytic uremic syndrome defined by:

1. hemolytic anemia

2. thrombocytopenia

3. respiratory disorders

4.renal failure

5. thrombocytosis

12. EIEC are :

1. highly invasive

2. non-invasive

13. In the majority of cases EIEC runs:

1.without complications

2. with complications

**Тask 1**

The boy,4 months old, was on artificial feeding. Admitted to hospital on the 4th day of illness in a serious condition. The disease began with increased frequency of stool up to 15 times a day (watery, yellowish - orange color, with a small amount of mucus and green), regurgitation, poor appetite. On the 2nd day the increase of body temperature up to 37.5°C was registered, there was vomiting (2 times), liquid stool. In the following days, the child continued with fever, vomiting and regurgitation (up to 3 - 4 times a day), mucous membranes were dry, sudden bloating. The frequency of defecation increased up to 15 times a day (liquid, with a small amount of mucus and green). The child became restless, refused to eat, didn’t drink any water. The skin was pale, with the "marble pattern", the turgor is reduced, facial features are sharp. Breath up to 40/min. Heart sounds are muffled. Abdomen is much swollen, rumbling. Urine output is reduced. Meningeal symptoms are not present.

The analysis of feces on intestinal group: E. Со1і 0125

Coprogram: consistency – liquid, the muscle fibers (-), neutral fat (++),iodophilic flora (+), white blood cells – 10 – 12, erythrocytes (-).

Blood test: HB - 134 g/l, leukocyte 12.0 x l09/l, ESR - 15 mm/hour

Bacteriological examination of feces –Sh.Sonnei, Sh. flexneri and Salmonella spp. – negative.

Questions

1. Make a preliminary diagnosis.

2. Make an examination and assign a therapy.