

## Variant 10

**Task 1.** What biochemical parameters will you check in this patient?:



Anamnesis morbi: Patient K., 32 years old, went to a doctor in a private clinic. The patient notes that there is a pronounced thirst, began to drink 5-6 liters of water a day, often gets up to drink water several times even at night, and frequent urination appeared. He is a professional boxer.

**Task 2. Answer the questions**



1. Write what symptoms you see in the photo
2. Make a presumptive diagnosis

3. What biochemical parameters will you check?
4. How to treat this disease?
5. What complications of this disease can be?

**Task 3. Check the biochemical analysis of the patient and answer the questions:**

Total bilirubin 16 mkmol/l (N 1,7-20,5)  
Direct bilirubin 3 mkmol/l (N 0-4,6)  
Nondirect bilirubin 13 mkmol/l (N 1,7-20)  
Glucose 4,6 mmol/l (N 3,3-5,5)  
Ketone bodies 0,5 mmol/l (N 0-0,5)  
Creatine kinase 750 U/l (N 0-165)  
Troponin I 1586 ng/ml (N 0-15)

1. Describe what changes have occurred according to the readings of the biochemical analyzer and write what this change may be associated with.
2. Make a presumptive diagnosis
3. Assign additional diagnostics to confirm the diagnosis, if required.