

Variant 1

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



Anamnesis morbi: Patient O., 55 years old, suffering from obesity, woke up at night (after he spent the evening at a business dinner) from unbearable pain in the first metatarsophalangeal joint of the left leg. He couldn't stand up. The affected joint was hot, swollen, reddened and sharply painful. The patient was treated with indomethacin and the symptoms were quickly relieved. A year before this episode, the patient had an attack of renal colic, but then he said that he was too busy to spend time on examination about this.

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:

Creatinine – 493 $\mu\text{mol/l}$ (N 58-96)

Urea – 19,2 mmol/l (N 1,7-8,3)

Potassium (K) 6,4 mmol/l (N 3,5-5,1)

Sodium (Na) 137 mmol/l (N 136-146)

Chloride (Cl) 104 mmol/l (98-106)

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.