**Situational clinical problems for tests of practice**

**Problem 1.**

The patient, male of 38 years old is arrived in pulmonary department of the hospital.

His complaints are to rise in temperature, sudden breathlessness, pain and feeling hardly in a thorax on the right, dry cough, and the general weakness. Condition has come badly last 2 days: breathlessness became stronger, the temperature has raised to 390 C with a fever and sweat.

*Objectively:* the consciousness is clear, a condition is heavy, the patient lays on right side. The skin surface is pure, pale, damp. Breath superficial-40 in min, the right half of thorax lags behind in the breath certificate. Pulse is 120 beat per min, blood pressure is of 100/50 mm hg. The patient is hospitalised with the diagnosis a sharp pneumonia with hydrotohorax.

**Tasks for practice:**

1. Tell about the basic complaints of the patient at diseases of respiratory system. Describe principles of the help to the patient with breathlessness.

2. Make the plan of care of the patient with different types of cough.

3. The purpose and main principles of carrying out of a pleural puncture.

**Problem 2.**

The patient, male 48 years old is standing in digestive department of the hospital with the diagnosis a stomach ulcer, in acute phase. His complaints to strong pains in epigastrium areas, in 30-60 minutes after meal, locks, a stomach swelling, unitary vomiting of colour of "coffee grounds” was observed. Deterioration of the patient connects with the stress, come for last 5 days.

*Objectively:* a condition is satisfactory, consciousness is clear, position in bed is the active. Integuments are pale, hypodermically-fatty is developed well. Pulse of 64 per minutes the blood pressure is of 110/70 mm, Breath actions are 18 in minute. Language is imposed by white touch, moderate pressure of a forward belly wall in epigastria areas is marked.

The patient fecal research is appointed to the latent blood.

**Tasks for practice**

1. Carry out diagnostics between a pulmonary and stomach bleeding. Describe first aid actions at a stomach bleeding.
2. Explain to the patient a capture rule fecal on the latent blood.
3. Show on the phantom the technics of gastric sounding.

**Problem 3.**

In a hospital the patient, male of 25 years old has arrived with the diagnosis a stomach ulcer and 12-perstnoj guts.

Complaints to sharp pains in epigastrium areas arising in 3-4 hours after meal, at quite often night, locks, a weight loss. Appetite is kept. Work is connected with a nervous overstrain, smokes much. The patient is disturbed by a condition of the health, work capacity decrease.

*Objectively:* the general condition satisfactory. Integuments pale. From lungs and the cardiovascular system of a pathology is not present. Language is imposed by white-yellow touch. At stomach research sharp morbidity to the right of an average line of a stomach above a navel is marked. Endoscopy research is appointed.

**Tasks for practice**

1. Give the characteristic of medical diets for patients with diseases of a gastroenteric path (a gastritis, a stomach ulcer, locks, a diarrhoeia, diseases of a liver, a pancreas)
2. Explain to the patient character of forthcoming procedure (by endoscopy) and prepare it for it.
3. Show on phantom the technics of cleaning clister.

**Problem 4.**

In pulmonary department there is a patient female 35 years old with the diagnosis a pneumonia of the right lung.

Complaints to strong rising of temperature, weakness, pains in the right half of thorax, cough, breathlessness, allocation sputum id rusty colour. Was ill after overcooling.

*Objectively:* a condition heavy, temperature 39,50 C., the face is red, on lips a herpes. The breath actions are 32 in minute. The right half of thorax lags behind in the breath certificate. Pulse is 110 per minutes, rhythmical, weak filling. The blood pressure is of 100/65 mm hg, tones of heart are muffled.

**Tasks for practice**

1. Describe the fever periods.
2. Characterise principles care of the patient depending on the fever period.
3. Instruct the patient on gathering sputum for research on bacteriological crops with definition of sensitivity of microflora to antibacterial medicines. Train the patient in instructions for use a pocket spittoon.

**Problem 5.**

In pulmonary department there is on treatment male patient 68 years old with the diagnosis a pneumonia.

Complaints to strong weakness, headache, cough with a considerable quantity purulent sputum, unitary there was a blood in sputum. Yesterday by the evening the condition has worsened, the temperature to 400 has risen, but by the morning has decreased to 360 with strong sweat, for a night 3 times changed a shirt.

*Objectively:* a condition is heavy, temperature id 37,40 S. Patient is pale, frequency of breath 33 in a minute, it is languid, adynamic. Pulse of 110 ud./minutes, rhythmical, weak filling. The blood pressure is of 90/65 mm hg,

*Radiological data:* in the bottom share of the right lung an intensive shade in which centre the cavity with horizontal level of a liquid is defined.

**Tasks for practice**

1. Describe principles of an estimation of consciousness, consciousness types.
2. Make the plan of care of the patient with blood cough. First aid at blood cough.
3. Train the patient in the technics of carrying out a drainage and the respiratory gymnastics directed on stimulation of deducing the of sputum.

**Problem 6.**

In oncological department there is on treatment male patient 48 years old with the diagnosis a stomach cancer.

Complaints to vomiting, weakness, absence of appetite, disgust for meat food, a weight loss, strong pains in epigastria areas.

*Objectively:* the condition is heavy, temperature is 37,90С, integuments pale, the patient is sharply exhausted, at palpation in epigastria areas are marked morbidity and pressure of muscles of a forward belly wall. The liver dense, painful, is increased by 5 cm from under edge of a costal arch.

**Tasks for practice**

1. Describe main principles of care of the patient with an oncological pathology.

2. Describe principles of feeding of the heavy patients, the weakened patients and the patients of old age who are in bed.

**Problem 7.**

Patient С, 40 years, has arrived in a hospital on treatment with the diagnosis a chronic cholecystitis.

Complaints to aching pains under ribs area on the right, amplifying after reception of fat food, a nausea, in the mornings bitterness in a mouth, unitary there was a vomiting by bile, the general weakness. Condition deterioration has come within last week which connects with reception of plentiful, fat food.

*Objectively:* the condition satisfactory, a skin dry, pure, is marked yellow colour of eyes, language dry, is imposed by grey-white touch. At palpation morbidity under ribs area on the right. Pulse of 84 beat per min, rhythmical. The blood pressure is of 130/70 mm hg, breath actions are 20 in minute.

**Tasks for practice**

1. Give the characteristic of medical diets for patients with diseases of a gastroenteric path and at adiposity.
2. Name the basic indicators of anthopometry, constitution types, principles of their definition.
3. Show technics of measurement of blood pressure

**Problem 8.**

Patient Р, 30 years old has arrived in Renal Unit department of hospital with the diagnosis acute pyoneophrosis.

Complaints to rise in temperature, nagging pains in lumbar area, frequent and painful urination, the general weakness, a headache, absence of appetite.

*Objectively:* temperature 38,8С. A condition is average hard. Consciousness is clear. The face is red. Integuments pure. Pulse of 98 beat per min, is strained. The blood pressure is of 150/95 mm hg, breath actions are 20 in minute. Language is dry, imposed by white touch. A stomach is soft, painless.

To the patient the intravenous urography (urogram) is appointed.

**Tasks for practice**

1. Explain the basic symptoms of frustration urination

2. Explain to the patient forthcoming procedure and preparation for it.

3. Show on a phantom the technics of introduction uric tube a bladder at men.

**Problem 9.**

In a hospital the patient of 30 years old with the diagnosis an anaemia has arrived.

Complaints to weakness, fast fatigue, breathlessness at movement, palpitation, absence of appetite, sometimes appears desire there is a chalk. *Objectively:* pallor and dryness of integuments, hair dim, nails easily break. Heart borders are not changed. Pulse of 92 beat per min. The blood pressure is of 100/60 mm hg, *The blood analysis:* Нв - 75 gm/l, red cell count- 3,91012/l, erythrocyte sedimentation rate is 20 mm/hour (anaemia signs).

**Tasks for practice**

1. Explain the basic complaints of the patient with a pathology of blood and principles of care to them.
2. Explain the basic ways enteral introductions of medications: through a mouth, under language, through a rectum, name merits and demerits of this way of introduction of medicines.
3. Show gathering of system for intravenous injections.

**Problem 10.**

The patient of 35 years old has arrived in a hospital on treatment with the diagnosis a diabetes.

Complaints to dryness in a mouth, the thirst, speeded up urination, an itch of integuments, the general weakness.

*Objectively:* a condition is average hard, integuments pale, dry. Language is dry. Pulse of 88 beat per min, the blood pressure is of 140/90 mm hg, , breath actions are 16 in minute.

**Tasks for practice**

1. Describe main principles of care of the patient with skin diseases.
2. Characterise features of a food at a diabetes. To explain to the patient of a rule of gathering of urine on sugar.
3. Show technics on phantom the introduction of insulin hypodermically.