

**Ministry of health Ukraine
Higher state educational establishment of Ukraine
«Ukrainian medical stomatological academy»**



It is ratified on the methodical conference
Protocol №1 from August, 30 2018
year. Manager of department
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**METHODICAL POINTING
FOR INDEPENDENT WORK OF STUDENTS
DURING PREPARATION TO PRACTICAL EMPLOYMENT**

<i>Educational discipline</i>	<i>Palliative help</i>
<i>Module №</i>	<i>I</i>
<i>Rich in content module №</i>	<i>I</i>
<i>Theme of employment</i>	Conservative therapy of the most frequent complications of widespread tumor diseases
<i>Course</i>	<i>VI</i>
<i>Faculty</i>	<i>Medical</i>

Poltava – 2018

THEME: CONSERVATIVE THERAPY OF THE MOST FREQUENT COMPLICATIONS OF WIDESPREAD TUMOUR DISEASES

1. Actuality of theme.

It is known that oncologic patients very often perish not from dissemination of tumor process, but from his heterospecific complications: infections, violation of feed, electrolyte exchange and other reasons. These complications it is possible to stop or to soften remedies.

The clinical picture of tumor process which called far consists of four basic moments:

- 1) display of tumor process and him direct complications;
- 2) paraneoplastic processes;
- 3) consequences of the conducted antitumoral treatment;
- 4) concomitant diseases which present an independent danger.

In the origin of paraneoplastic processes distinguish a hormonal factor, autoimmune processes, violations of exchange. Among exchange violations distinguish a hypercalcemia, nephropathy, hypoalbuminemia.

2. Concrete educational aims:

To know:

1. Complications of tumor process of, which meet most often:
 - a) intoxication and exhaustion;
 - б) vomit and violation of defecation;
 - в) violation of appetite is with the symptoms of disgust for a meal;
 - г) anaemia;
 - д) violation of mineral exchange;
 - е) exudates is in serosal cavities;
 - ж) phenomena of cardiac and pulmonary insufficiency;
 - з) metastases are in bones and liver;
 - и) fever;
 - к) nervous and psychical violations.

Able:

1. In time and correctly to diagnose various complications of widespread tumor disease.
2. To conduct possible therapy of arising up complications at home or in a hospital.
3. To estimate the general consisting of patients of plan of examination and establishment of arising up complication.

Table of contents of theme.

1. General principles of symptomatic therapy

Symptomatic therapy is utilized for the removal of the most heavy displays of tumor process and on the essence is the necessary component of treatment of oncologic patient.

At a widespread tumor process very often symptomatic therapy is uniquely a possible medical manual. In such cases possibility of the special протитупхлинного treatment or outspent, or for this patient such treatment unrationally.

It costs to remember the doctors of general medical network, that symptomatic treatment must be conducted after an inspection and after recommendation of the specialized oncologic establishment. Symptomatic therapy is mainly in the conduct of doctors of medical establishments domiciliary patients. Mainly all of its weight falls on domestic doctors, district internists. Oncologists in such cases carry out the functions of consultants mainly.

Symptomatic therapy is one of the most heavy sections of clinical medicine. It should be noted that term a «incurable patient» very often conflicts with basic principles of deontology. Such patients are considered doctors as hopeless, although duration of their life can be calculated by not only months but also years.

Measures are at a cachexy and intoxication

Malignant tumors can cause the row of general disorders in an organism. These disorders clinically show up as lost much weight, to the pallor of covers with an earthily grey rather yellow tint, loss of appetite, disorder of the digestive and nervous system.

Appearance in the organism of patient with a tumor process which called far, such products of degradation of albumen, as a ketole, skatole, phenol, kreatin, urinary acid can cause heavy enough intoxication, especially at insufficiency of function of liver and kidneys.

Measures of fight are against a cachexy and tumor intoxication.

In every special case it is necessary to select a leading link and conduct the proper medical measures. It can be useful:

- 1) exposure and liquidation of hearth of suppuration;
- 2) braking of catabolic processes is by hormonal preparations;
- 3) measures, directed on the improvement of the functional state of liver, improvement of feed, vitamin therapy.

Application of bifungin (an extract from a birch mushroom is sponges) behaves to the general methods of treatment, solution to eleuterocock, extract to ginseng.

Rational diet

The frequent receptions of small portions of meal are recommended. It costs to avoid the reception of fat and especially carbonhydratess (sugar, flour products, pastry wares, chocolate).

At a feed it is expedient to utilize chhanas, vegetable butters, honey, mushroom pea-soups, fruit and small fruit juices, lonion, garlic, garden radish.

Measures are at vomit and violations of defecation.

Vomit is inevitable concomitant of stenosis of gullet, cardia of stomach, impassability of intestine which begins.

Vomit can be also the symptom of metastatical defeat of cerebrum, hypercalcemia, and also tumor and medicinal intoxication.

In the first turn it is necessary to eliminate vomit on soil of mechanical (tumor) nature. At the exception of mechanical vomit it is possible to resort to the periodic washings of stomach, setting of spasmolysants, cerucal, cleansing enemas. Temporal maintenance is from the reception of meal and strengthening of parenterally feed.

Permanent diarrhea which exhausts can be investigation of the conducted treatment: postgastrectomical syndrome, subtotal colectomy. A fight against диарею consists in setting of rational diet, gastric juice, мезима, matters which tannic, abundant drink. It is needed to eliminate products which contain a rough cellulose.

Measures are at development of anaemia

Pathological changes of blood are the personal touch of generalization of tumor process. Reason can be the chronic bleeding from the organs staggered a tumor. At bleeding hospitalization of patient is rotined. A palliative operation is on possibility conducted. Among conservative measures hemostatic and substitution therapy is meant. Setting of preparations of iron.

Correction of violations of mineral exchange

At a widespread tumor process often enough there is a hypernatremia. Can be expressed the hyperfunction of adrenal cortex from chronic stress. It can be investigation of application with the medical purpose of sexual of hormones and glucocorticoids.

Clinically a hypernatremia shows up the delay of liquid up to development of edemata. Furosemid is appointed, hydrochlorothiazide with preparation to potassium. A milk vegetable diet is needed with limitation of salt.

Hypercalcemia can show up violations from the side of nervopsychical sphere: disturbance, disorientation. Depression, aggressiveness, hallucinations, can development. These changes more frequent all arise up on a background estrogenic therapy and treatment androgens. At treatment it is necessary to abolish an endocrinotherapy. Prescription of the proper diet: bob and cereal dishes, beet, sorrel.

Measures are at exudates in serosal cavities

The exudate processes of metastatic character in abdominal and pleura regions are frequent enough.

Reason of hydroperitoneum can be also portal hypertension, compression of lower empty vein. An exsudate in a pleura cavity can be conditioned a reactive pleurisy at pneumonia, at the metastatic defeat of lymphonoduss of mediastinum. A testimony for the delete of hydroperitoneum and pleurisy is an increasing shortness of breath. In a number of cases the deletes of liquid conduct together with introduction of citostatic (cyclophosphonide or fluoracyl). Uses diuretic with preparations to potassium.

It costs to remember, that frequent evacuations of liquid from serosal cavities are accompanied the loss of albumen. It can result in hypoproteinemia. Therefore treatments sick with exudate it is desirable to do in the conditions of permanent establishment.

Treatment of cardiac and pulmonary insufficiency

At finding out of reasons of cardiovascular violations above all things it costs to think about the tumor defeats of heart and paraneoplastic endocarditis. At the tumor defeat of heart (primary or metastatic) quickly making progress decompensation, appearance of proof incurable tachycardia and arrhythmia, is marked. Expansion of границь of heart is marked through development of metastatic exudate to pericarditis.

Not uncommon for oncologic patients thromboembolism complications, the sources of which are blood clots which appear in the veins of lower extremities, pelvis, rarer in a right auricle. Reason of embolisms can be paraneoplasticmigrant thrombophlebitis, which different shallow veins, located retroperitoneal, are struck at.

By reason of pneumocardial insufficiency also there can be cancer dystrophy of myocardium, reflex influences from the nearest organs, staggered a tumor.

Respiratory insufficiency can be conditioned the presence of large exudate in a pleura cavity. Reason of shortness of breath can be a metastatic defeat of pulmonary fabric, and also cancer lymphangitis. Respiratory insufficiency for patients from generalization quite often complicated a tumor process by pneumonias. These pneumonias, as a rule, have the torpid flowing and scanty physical is given. Respiratory insufficiency can be conditioned the syndrome of overhead empty vein through the tumor defeat of mediastinum, central cancer, lights, metastases in mediastinum lymphnodus.

Treatment of pneumocardial insufficiency depends on reasons which cause it. It is needed above all things to delete at pleurisies exudate from a pleura cavity. Farther appoint cardiac preparations, diuretic. At cancer lymphangitiss expedient application of glucocorticoids. At presence of pneumonias it costs to add antibacterial therapy.

Symptomatic treatment of defeat of liver

The metastatic defeat of liver at first flows asymptomatic. The protein function of liver which shows up hypoproteinemia can be violated in future. The antitoxic function of liver suffers at the same time, tumor intoxication increases as a result.

As far as progress of metastatic defeat of liver appears icterus scleroticas, skin. In future at an increasing bilirubinemia icterus is expressed from which a skin itch is and exhaustions sick.

Treatment. At asymptomatic flow of metastases setting of polyvitamins, bile-expelling is recommended, hepatoprotects, diets. At the expressed skin itch introduction of prednisolon is rotined with the vitamin of V12 for 1000 mcg. Parenterally introduction of glucose, albuminous, diuretic, to dimedrolum.

Symptomatic treatment is at bone metastases

Metastatiche defeat of bones - one of the most heavy displays of generalization of tumor process. As a rule accompanied the proof sickly feeling and limitation of motions. If analgetic radial therapy is impossible, at metastases in a spine patients must be fixed on a shield, at the defeat of bones of extremities their immobilization is rotined.

It costs to utillize intensive medicinal analgetic therapy: novocaine blockades, spasmolysants, anaesthetic preparations of type of indometocin. In the case of nonstop of sickly syndrome narcotic facilities are appointed.

Measures are at a proof fever

Gipertermiya at a widespread tumor process frequent enough symptom. It can be conditioned disintegration of tumor, infection which joined, paraneoplastic syndrome by a autoimmune process and at metastases in a liver. Reason can be and the thrombophlebitis of deep veins is unrecognized.

It costs to underline that at a veritable cancer fever the high gettings up of temperature of body (to 38-39⁰ swiating) substantially do not affect feel, rarely there are chills.

Gipertermiya promotes catabolic processes considerably, that is instrumental in exhaustion and progress of weakness.

Treatment. Setting of analgetic, antipyretics (aspirin, acelin, amidopyrine, реопірін, indometacin). In proof cases possible application of corticosteroids preparations. In the case of joining of infectious processes it costs to add antibacterial therapy.

Literature is made to order:

a) Basic

1. Bondar G.V. Palliative medical help of oncologics patients for stud. V-VI / Bondar G.V., Vitenko I.S., Popovich O.Yu. – Doneck, 2004. – 80 p.
2. Lectures for clinical oncology. Bondar G.V. – Lugansk, 2009. – 580 p.
3. Онкология семейного врача / Ждан В.Н., Шелешко П.В., Баштан В.П. – Полтава, 2005. – 100с.

b) Additional

1. Oncology. Under editorship of B.T.Bilinsky, Yu.M.Sternyuk, I.In.Shparik. it is Kyiv: Health, 2004. – 527 p.

A question is for self-control

1. Factors which assist development of paraneoplastic syndrome.
2. Reasons of cachexy and intoxication of cancer patients.
3. Reasons of gipertermiya are at a widespread cancer process.
4. Oncologic patients have differential diagnostics of cardiac and pulmonary insufficiency.
5. Factors, which assist development of anaemias, violations of mineral exchange.
6. Clinic of metastatic defeat of liver, lungs, locomotorium system.