

Module №3

Pregnant woman on the anterior abdominal wall tumor formation revealed that emerged in place of the removed tumor two years ago. The formation of a dense texture and size 2x1 cm, with clear boundaries. Histological examination revealed that the tumor was built with differentiated connective tissue with a predominance of collagen fibers. What kind of tumor should be thinking about?

- Lipoma
- leiomyoma
- Hibernoma
- + Desmoid
- Fibrosarcoma
- ?

At a woman of 20 years during a medical examination by palpation detected in the breast tight encapsulated unit diameter 1.0 cm. The result of postoperative biopsy study: proliferation of connective tissue around the breast ducts and glandular elements of different diameter, not form particles with no signs atypizm cell. What is the answer pathologist?

- Fibrous cancer
- + fibroadenoma
- Adenoma
- Cancer metastasis
- fibroma
- ?

At a man of 46 years was estimated to skin a dark spot, which exploded and does not cause trouble. Over time, the spot began to grow, there was pain, the color was black and brown and began palpable bundle. Histological examination of the removed tissue were determined fusiform and polymorphic cells with numerous mitoses, the cytoplasm of which were placed brown pigment. What kind of tumor it is?

- Bazalioma
- + Melanoma
- Hemangioma
- nevus
- ?

In the context of tumor white, fibrous tissue is presented. Microscopically, randomly intertwined collagen fibers, few cells. What is the tumor?

- + fibroma
- Dermatofibroma
- histiocytoma
- Desmoid
- Fibroids
- ?

At endoscopy revealed gastric mucosal atrophy. Microscopically, the tumor was found in the biopsy, based on chains of atypical epithelial cells located among strands of connective tissue; stroma significantly dominates the parenchyma. What is the most likely diagnosis?

- Medullary cancer
- Adenocarcinoma
- Small cell
- + Skirozus cancer
- Solid cancer
- ?

At a patient 69 years of age on the skin in the area of the lower eyelid was small plaques similar formation with subsequent ulceration, which was promptly removed. Microscopic examination of the formation, in the dermis of the skin complexes of atypical epithelial cells; peripheral cells

perpendicular to the basement membrane. The cells were dark, prismatic polygonal shape with hyperchromic nuclei with frequent mitoses. Sometimes there are movements, similar to the hair follicle. What histological form of cancer patient?

- Squamous cell carcinoma with keratinization
- Undifferentiated carcinoma
- Adenocarcinoma
- + Basal cell carcinoma
- Squamous cell carcinoma without keratinization

?

At a patient with a rapidly growing intracerebral hypertension diagnosed with a brain tumor. During surgery removed the tumor parietal-temporal lobe, soft consistency, in the context of diverse species. Histologically, the tumor is based on polymorphic hyperchromic cells to form pseudo outlets and a large number of vessels with areas of necrosis and hemorrhage. What is the most reliable diagnosis?

- meningioma
- oligodendroglioma
- astrocytoma
- Arahnoidendotelioma
- + glioblastoma

?

In preparation presents a body covered with connective tissue capsule from which trabeculae away. In the body can distinguish the cortex, which contains lymph nodules and medulla provided strands of lymphoid cells. Which body is represented in the sample?

- Red bone marrow
- spleen
- Tonsils
- + Lymph node
- Thymus

?

In patients with neurological disorders diagnosed brain tumor. During surgery removed the tumor, which is kind of tight junction associated with the dura mater. Histologically, the tumor endothelium constructed from these cells closely adjacent to each other. What is the most reliable diagnosis?

- astrocytoma
- Neuroblastoma
- + Meninginoma
- glioblastoma
- Meningeal sarcoma

?

In skin revealed dense, mobile, clearly separated from surrounding tissue tumor. In the context it is white, fibrous tissue is presented. Microscopically, randomly intertwined collagen fibers, few cells. What is the tumor?

- Dermatofibroma
- + fibroma
- histiocytoma
- Desmoid
- Fibroids

?

At Histological examination of skin tumors revealed: parenchyma formed from surface epithelium of the increased number of layers. Stroma with epithelial growths forming papillae. Specify the type of atypizm.

- + tissue
- Cellular
- histochemical
- Functional

- Metabolic

?

At histological examination delivered eyeball in the choroid which revealed tumor formation 1 x 0.4 cm black. In cells - multiple abnormal mitosis and in the cytoplasm of many of them is determined by pigment yellow-brown color. Your diagnosis?

+ Melanoma

- Nevrinoma

- angiosarcoma

- Neuroblastoma

- Ganglioneuroblastoma

?

At Microscopic examination of the colon biopsy revealed a tumor with prismatic epithelium that forms atypical glandular structures of various shapes and sizes. Cells were polymorphic, hyperchromic nuclei and abnormal mitosis. Basement membrane glands destroyed. Your diagnosis.

+ Adenocarcinoma

- Basal cell carcinoma

- Solid cancer

- Mucous cancer

- Undifferentiated carcinoma

?

During the histological examination curettage walls of the uterus 45-year-old woman with ovarian disorders, menstrual cycle revealed an increase in the number of endometrial glands, some dust winding, some cancer - cystic dilated. Diagnosed disease.

+ Glandular-cystic endometrial hyperplasia

- Placental polyp

- Atypical endometrial hyperplasia

- Glandular endometrial polyp

- Endometrial adenocarcinoma

?

At microscopic examination revealed cervical biopsies and cell nuclear atypia stratified squamous epithelium, abnormal mitosis and horny pearls deep epithelial layers. Your diagnosis:

+ Squamous cell carcinoma with keratinization

- Transitional cell carcinoma

- Squamous cell carcinoma without keratinization

- Glandular cancer

- Anaplastic cancer

?

During the histological scraping the mucous membrane of the uterus in a patient in '54 with a clinical diagnosis of abuse ovarian-menstrual cycle revealed - proliferation of atypical glandular structures composed of cells with hyperchromic nuclei, mitosis figures, atypia. Atypical glandular structures grow into the myometrium. To which the pathological process characterized found microscopic changes?

+ Adenocarcinoma of the uterus

- Glandular hyperplasia of the endometrium

- Acute endometritis

- Placental polyp

- Chorionepithelioma uterus

?

At a woman in '46 when palliative surgery for gastric cancer metastasis has established Krukenberg's the ovaries ("Krukenberg's ovarian cancer"). Which of the following ways metastasis led to the ovary?

+ Lymphogenous retrograde

- Lymphogenous orthograde

- Hematogenous
  - implantation
  - Kanalikular
- ?

During the histological examination of biopsies of rectal mucosa installed proliferation of connective tissue and glands. Macroscopically, small knots on a thin stalk. What kind of process is it?

- + Hyperplastic polyp
- hypertrophy
- metaplasia
- atrophy
- Sclerosis

?

At a patient (67 years) with a clinical diagnosis of chronic bronchitis, pneumosclerosis, cardiopulmonary failure biopsy taken from suspicious areas right bronchial mucosa. Histologically established cellular and tissue atypism, the emergence of structures in the form of "cancer pearls." Which process pathological responsibilities of the histological changes?

- + Squamous cell carcinoma of the bronchus keratinization
- Chronic bronchitis polypus
- bronchiectasis
- Acute bronchitis
- Squamous metaplasia of the bronchial mucosa

?

The patient, who for a long time tobacco was abused cough with viscous mucus, fatigue after minor physical activity, pale skin, over the past two months has lost 12.0 kg. When endoscopic examination of biopsy diagnosis of squamous cell carcinoma. Determine the nature of the pathological process that preceded the emergence of tumors.

- + metaplasia
- hypoplasia
- hyperplasia
- Necrosis
- Sclerosis

?

Under the skin of submandibular areas of a woman found in '55 with clear boundaries personal formation 1,0x0,7 cm slow growth. Histological examination revealed the formation liposyt that form particles vary in shape and size, separated by thin layers of connective tissue vessels. Set diagnosis.

- + Lipoma
- fibroma
- angioma
- liposarcoma
- Fibrosarcoma

?

During the histological examination of the endometrium found meandering gland, dust and corkscrews similar, elongated, proliferation of stroma with proliferation of cells. Your diagnosis?

- + Glandular endometrial hyperplasia
- Acute endometritis
- leiomyoma
- Placental polyp

?

At the man 45 years had sought medical advice about plaques similar formation of the neck. Histologically found in biopsies of skin tumor cells are cells, with round and oval in shape with a narrow rim of basophilic cytoplasm and similar to cells of the basal layer of the epidermis. Enter the name of a tumor in a patient?

- + Basalioma
- Epidermal cancer
- Hydradenoma
- Tryhoepitelioma
- Siringoadenoma

?

The young woman in the distal end of the femur removed tumor grew rapidly, colorful appearance - from white-gray to brownish-red color, loose consistency. Microscopically, the main component of the tumor tissue and bone osteoid presented structures lined by osteoblasts atypical pathological mitosis; many thin-walled vessels. Your diagnosis.

- + osteosarcoma
- chondroma
- osteoma
- Ewing Sarcoma
- angiosarcoma

?

Objectively woman '39 marked phlegm in the area of the nipple of the breast, the presence of shallow ulcers with inflammatory hyperemia and edema of the skin. Histological examination of biopsy in this area of thickened epidermis layer detected atypical large cells with light cytoplasm and optically empty, with no intercellular bridges. These cells are found in the estuary of large duct cancer.

Diagnosis:

- + Paget's disease
- Intraductal carcinoma
- Basal cell carcinoma
- Squamous cell carcinoma
- Melanoma

?

In the course of the auditory nerve in a young woman was found in a node swelling up to 3 cm in diameter, soft elastic consistency, pinkish-white uniform. Microscopically the tumor contains clusters of cells with oval nuclei. Cellular fibrous bundles form a rhythmic structure created in parallel rows, correctly targeted cells arranged in a palisade cell-free area which is homogeneous area (Verokay's cells). What is the tumor?

- + neurinoma
- Malignant neurinoma
- Ganglioneuroma
- Neuroblastoma
- Ganglioneuroblastoma

?

In elderly women with postmenopausal metrorrhagia at imately study in scraping the mucous membrane of the cervix detected atypical epithelial proliferation with the formation of the so-called "cancer pearls." Your diagnosis?

- + Squamous cell carcinoma with keratinization
- Adenocarcinoma
- Squamous cell carcinoma without keratinization
- Mucous cancer
- Undifferentiated carcinoma

?

The patient was operated on tumors of the uterus. Macropreparations: colorful sponge node in the myometrium. Histologically - there are large bright epithelial cells, including many dark polymorphic cells. Stroma is missing, vessels have the appearance of cavities lined by cells of the tumor. Identify multiple hemorrhages. How is detected tumor?

- + chorionepithelioma
- adenoma

- Adenocarcinoma
  - Cavernous hemangioma
  - Medullary cancer
- ?

During the microscopic examination of lung biopsy revealed atypical cells that form multiple acinar structures and produce mucus. What histological form of lung cancer occurs in the patient?

- + Adenocarcinoma
  - Solid
  - Undifferentiated carcinoma
  - Squamous cell carcinoma
  - Glandular, squamous cell carcinoma
- ?

At the patient with gastroscopic research in the area of small curvature detected tumor formation diameter of 1.5 cm on the leg. What is the nature of tumor growth?

- + exophytic
  - expansive
  - infiltrative
  - Aposyctic
  - endophytic
- ?

During the microscopic examination of biopsy sections tumor mucosa of the right bronchus, set of cell and tissue atypism, the emergence of structures in the form of "cancer pearls." Determine the nature of the pathological process.

- + Malignant tumor
  - benign tumor
  - Hyperplasia
  - metaplasia
  - hypoplasia
- ?

During the histological examination of skin tumors detected particles of different sizes from adipose tissue, distinct irregular layers of connective tissue. What diagnosis?

- + Lipoma
  - Fibroma
  - hygroma
  - Papiloma
  - Hemangioma
- ?

In the study of tumors of the uterus (postoperative material) is macroscopically soft consistency, with focal areas of hemorrhage and necrosis on the cut like a "fish meat". Histological examination of the signs of pronounced cell and atypism tissue, there are cells with abnormal mitosis. What diagnosis?

- + Sarcoma
  - Adenocarcinoma
  - Angioma
  - Fibroma
  - Lipoma
- ?

During the histological examination of biopsy vaginal part of the cervix in a patient with long '47 non-healing erosion signs of atypism cell, basal membrane - intact. What diagnosis?

- + Carcinoma in situ
- Erosion
- Adenocarcinoma
- Papiloma

- Endometrioz

?

At the patient in '45 found enlarged supraclavicular lymph nodes. In the study of biopsy material from lymph node metastasis detected annular cell carcinoma. Choose the most likely location of the primary tumor.

+ Stomach cancer

- Cancer of the esophagus

- Thyroid Cancer

- Lung cancer

- Cervical Cancer

?

At the patient appeared '55 recurrent uterine bleeding. Done diagnostic curettage of the uterus. In the scraping of endometrial glandular elements of blood visible elements of different sizes and shapes formed atypical cells with hyperchromic nuclei with numerous mitoses (including pathological). What kind of process can think of?

+ Adenocarcinoma

- Glandular hyperplasia of the endometrium

- chorionepithelioma

- Adenomatous polyp

- Signs of an interrupted pregnancy

?

For histopathological studies delivered eyeball: the retina to the optic nerve tumor projection 1\*1sm, soft texture, brown. Microscopically, the tumor is composed of polymorphic cells with clear cytoplasm, grouped into alveolar structure, the presence of abnormal mitosis, sometimes with accumulation of brown pigment. Most likely this:

+ Melanoma

- Shvanoma

- Glomal tumor

- Paraganhlioma

- angiosarcoma

?

At the bronchoscopy in patients 62 years in the initial section of the right lung bronchi Upper holdings found polyps formation to 1.0 cm in diameter. Histological examination revealed the tumor, which is built on lymphocytes cells with hyperchromic nuclei, cells grow layers and strands. Indicate which of the three tumors most likely?

+ Undifferentiated small cell

- Undifferentiated large-cancer

- Squamous cell carcinoma

- Adenocarcinoma

- Glandular-squamous cell carcinoma

?

When viewed on oral mucosa cheeks determined dense whitish spot diameter of about 1 cm, which increases slightly above the mucosa. How is this pathological process?

+ Leukoplakia

- Erythroplakia

- Karnifikatsiya

- Organization

- Mucoïd swelling

?

At the patient on the face gradually developed plaque necrosis and ulceration in the center. In pathological histological examination biopsy revealed atypical proliferation of epithelial cells with many pathological mitosis. What is the most likely diagnosis?

+ Skin Cancer

- Sarcoma
  - Papilloma
  - Sores
  - fibroma
- ?

At the autopsy of a woman in '33 found in the gastric wall thickening pyloric part (the cut layers differ wall) with the growth of dense whitish tissue in the submucosa and small strands of a muscular layer. Relief mucosa saved fold rigid, immobile. What form macroscopic tumor in this case?

- + Infiltration
  - Node
  - ulcer
  - cyst
  - Infiltrative-ulcerative form
- ?

At the autopsy of child 3 years in the cerebellum revealed a tumor that has no clear boundaries with the surrounding tissue, histologically atypical built of small cells with hyperchromic nuclei. Most likely this:

- + medulloblastoma
  - Medulosarkoma
  - Cancer metastasis
  - Sarcoma metastasis
  - glioblastoma
- ?

At the patient appeared hoarseness of voice, while laryngoscopy revealed a tumor of the larynx, gray-white, with papillary surface. Microscopically, proliferation of connective tissue, covered with stratified squamous epithelium with increased keratinization, no cell atypizm. Most likely this:

- + Papilloma
  - fibroma
  - polyp
  - angioma
  - Angiofibroma
- ?

The patient in '75, with outside the peritoneum tissue removed tumor size 16\*8\*6sm. Microscopically: anaplasia fat cells with signs of cellular atypizm, polymorphism. There are huge distorted cells with fat droplets in the cytoplasm. Most likely to be considered:

- + liposarcoma
  - Lipoma
  - Fibrosarcoma
  - Miosarkoma
  - Mesothelioma
- ?

During the microscopic examination revealed the tumor bronchial biopsy, built of clusters atypical cells of stratified squamous epithelium, sometimes with characteristic "pearls of cancer." Your diagnosis?

- + Squamous cell carcinoma with keratinization
  - Squamous cell carcinoma without keratinization
  - Solid cancer
  - Mucous cancer
  - Cancer in situ
- ?

The patient was removed tumors of the skin, which has a node with papillary surface that resembles cauliflower, thick consistency. Microscopically, the tumor consists of many papillae. Parenchyma formed from surface epithelium of the increased number of layers. In the epithelium cell polarity is



preserved, stratification, integrity own membrane. Stroma tumors located in the center of papillae.

Your diagnosis?

- + Papilloma
- fibroma
- Adenoma
- fibroadenoma
- cystadenoma
- ?

For histological examination taken at surgery uterus removed. During mucosa by numerous roundish nodes that are clearly distinct from the surrounding tissue. Microscopically the tumor was built with bundles of smooth muscle with phenomena of tissue atypizm. Your diagnosis?

- + leiomyoma
- Cancer of the uterus
- Fibroids
- chorionepithelioma
- leiomyosarcoma
- ?

During the microscopic examination of tumor of the upper lip, found that it is built from multiple slit cavities are lined by flattened wall endothelium filled with liquid blood and rolls. What is the most reliable diagnosis?

- + Capillary hemangioma
- Venous hemangioma
- Cavernous hemangioma
- hemangiopericytoma
- Glomus-angioma
- ?

The patient '17 during surgery on the bottom of the liver revealed tumor size 4,5\*5,0\*3,5sm. subserous of localization, crimson color, the cut represented a significant voids content of blood. What is the most reliable diagnosis?

- + Cavernous hemangioma
- Capillary hemangioma
- Hemangiopericytoma
- Hemangioendotelioma
- Limfangioma
- ?

The young man in the soft tissues of the left thigh appeared painless tumors without clear boundaries. In tumor biopsy tissue resembling fish meat, consisting of immature cells Fibro-blast similar numerous mitosis, which grow in the muscle. Your diagnosis?

- + Fibrosarcoma
- Miosarkoma
- fibroma
- Cancer
- Fibroids
- ?

In the thick skin found macroscopically dense tumor mobile. In microscopy is presented randomly arranged collagen fiber bundles with a bit of spindle cells. What a tumor removed?

- + Hard fibroma
- leiomyoma
- Melanoma
- Lipoma
- Glomus-angioma
- ?

Patient '21, tumor removed frontal lobe of the right hemisphere of the brain with a diameter of 5 cm, which was clearly separated from the surrounding tissue. Section - a homogeneous appearance histologically - consists of star-shaped cells, numerous processes which form a dense plexus. What the tumor occurred in a patient?

- + astrocytoma
  - oligodendroglioma
  - Ganglioneuroma
  - Ependimoma
  - Horioidpapiloma
- ?

When endoscopic examination of the bladder tumor biopsy done. It consists of thin, branching papillae covered many rows of cells of transitional epithelium. Name the tumor.

- + Papilloma
  - Bazalioma
  - carcinoma in situ
  - Squamous Cell Carcinoma
  - Fidroadenoma
- ?

In the colon at colonoscopy revealed a defect in the mucous membrane of diameter 3.5 cm with an uneven bottom hilly and uneven edges, rising to 1.7 cm above the bottom boundary of this growth is not clear. Fabric and bottom edges of the defect thick, whitish layers of the bowel wall in this section is not visible. Set the macroscopic shape of the tumor.

- + ulcer
  - Node
  - Infiltration
  - cyst
  - Infiltrative - ulcerative form
- ?

During the histological examination of a removed node in breast stromal found among different sizes and forms complexes atypical polymorphic epithelial cells to the presence of gaps in the center complexes, cells with large nuclei, the presence of atypical mitosis. Put diagnosis.

- + Adenocarcinoma
  - Squamous cell carcinoma without keratinization
  - Solid cancer
  - Fibroadenoma of the breast
  - undifferentiated carcinoma
- ?

At the woman at 6 months postpartum uterine bleeding developed; during gynecological examination the uterus tissue found deep red color with multiple cavities resembling "sponge". Microscopic examination of tumor blood in the gaps detected light atypical epithelial Lanhgansa cells . Name the tumor.

- + chorionepithelioma
  - Squamous cell carcinoma without keratinization
  - Adenocarcinoma
  - Fibroids
  - Cyst
- ?

At histological research of tumor of stomach a lot of cricoid cells are exposed. Name the histological variant of crawfish.

- + Mucous
- Solid
- Adenocarcinoma
- Sarcoma

- Carcinoid

?

At the man 50 years removed a tumor of the colon wall. Microscopically it is represented by collagen fiber bundles of different thickness and shape, going in different directions and a small number of monomorphic cells spindle shape form of irregularly arranged fibers. Cell atypism not expressed. How is the tumor?

+ Hard fibroma

- Fibroids

- Soft fibroma

- Desmoid

- Fibrosarcoma

?

At dissection a child 5 years in the area of the cerebellum discovered node d-2cm, soft consistency, with no clear boundaries, gray-pink color with areas of hemorrhage, with large polymorphic nuclei. What kind of tumor can think of?

+ medulloblastoma

- meningioma

- glioblastoma

- astrocytoma

- oligodendroglioma

- Solid gastric cancer

?

At the child 6 months on the skin of the neck revealed a flat knot red when pressed glass unit fades. What is the most likely diagnosis?

+ Hemangioma

- Pigmented nevus

- Melanoma

- leiomyoma

- Lymphangioma

?

In the study of gastric biopsy showed signs of tissue and cell atypism, allowing diagnosis of malignant tumors - cancer. Which of these signs have been decisive in making the diagnosis?

+ Glands lined polymorphic cells with large hyperchromic nuclei, with an increased number of nucleoli, a narrow rim of cytoplasm

- The glands in the stomach with different sizes and shapes, different width gaps

- Many glands are closely "side by side -O-"

- The glands are randomly

- Local multi-location marked cells in the gland

?

At histological research of knot in a remote suckling gland among abundant stroma exposed different sizes and form complexes of atypical polymorphic epithelial cells with the presence of road clearances in the center of complexes. Cage with large kernels, by the presence of atypical mitoses.

What is the most reliable diagnosis?

+ Adenocarcinoma

- Flatcell noncornifieded crawfish

- Solid crawfish

- Fibro adenoma of suckling gland

- Undifferentiated polymorphocelled crawfish

?

At necropsy husband 63 years, died of lung cancer revealed multiple metastases. Which of them can be regarded as Implantation (contact) on the mechanism of development?

+ Small multiple tumor nodules in the pleura

- Peribronchial metastases, bifurcation metastases, metastases to paratracheal lymph nodes
- Brain Metastases
- Adrenal metastases
- Tumor of the bronchus into the esophagus.

?

A patient that has long abused smoking, developed lung cancer. Which of the carcinogens found in tobacco smoke and belong to PAHs?

- + Benzopyrene
- Dimethylaminoazobenzol
- aflatoxin
- Diethylnitrosamin
- Orthoaminoazotoluol

?

At a patient 75 years from extraperitoneal cellulose a tumor is removed by the sizes of 16x8x6 cm. Microscopically: adipose fatty cells with the signs of cellular atypism, polymorphism. There are the enormous disfigured cells which have fatty drops in a cytoplasm. What is the most reliable diagnosis?

- + Liposarcoma
- Lipoma
- Fibrosarcoma
- My sarcoma
- Mesothelioma

?

At histological research of tumor of stomach a lot of signet ring cells are exposed. Name the histological variant of carcinoma.

- + Mucous
- Solid
- Adenocarcinoma
- Sarcoma
- Carcinoid

?

On necropsy man 35 years in the second segment of right lung the hearth of compression is exposed by the diameter of 5 cm. Surrounded by a thin capsule. A hearth is presented by dense dry crumbling fabric with a dim surface. The discovered morphological changes in a lung are characteristic for:

- + Tuberculoma
- Shrine of lung
- Chondromas
- Tumorousive of form of schistosis
- Post-inflammatory pneumoscleroma

?

In a skin exposed dense, mobile, expressly the tumour delimited from surrounding fabrics. On a cut she white color, presented by fibred fabric. Microscopically - collagen fibres are chaotically casebound, cells are little. Name a tumour?

- + Fibroma
- Mioma
- Histiocytoma
- Dermatofibroma
- Desmoid