

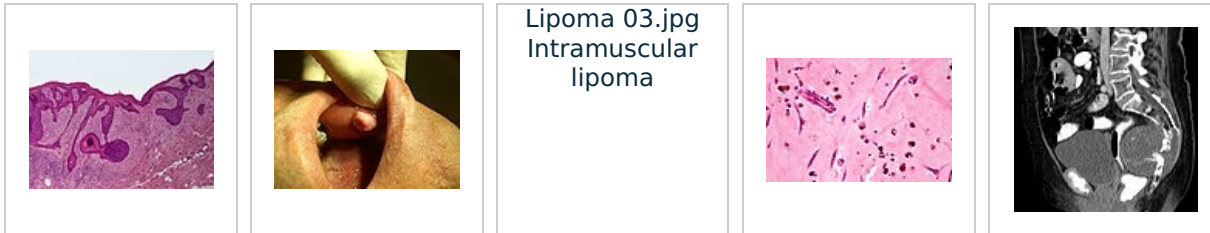
Mesenchymal tumor

'*Mesenchyme*' is embryonic tissue (consisting of cells with protrusions and wide intercellular spaces filled with sparse matrix). It originates mostly from the mesoderm and produces connective tissues (connective tissue, cartilage, bone), blood vessels, muscles and hematopoietic tissue.

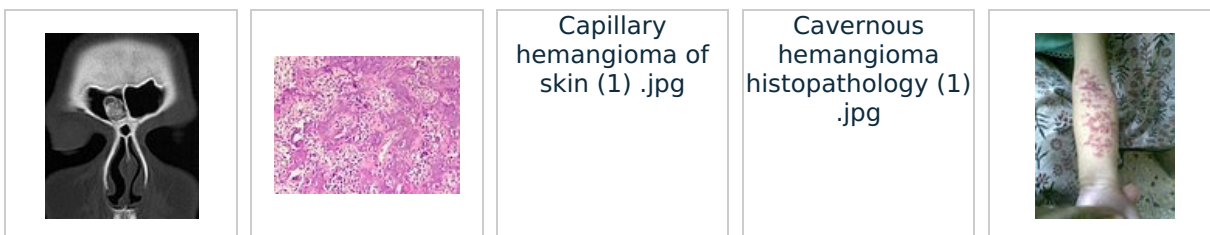
Mesenchymal tumors usually have a histoid structure (ie, no apparent difference between the parenchyma and the stroma, since the tumor is based on those components that are close to the stroma), and the boundaries to the environment tend to be blurred, even in benign variants.

Classification of mesenchymal tumors

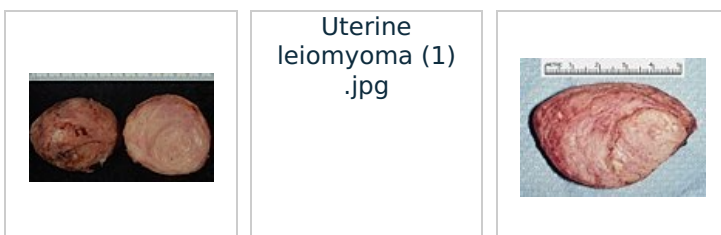
1. soft tissue tumors: fibroma, lipoma, hemangioma, lymphangioma, fibroid...
2. bone tumors



Fibroma of the oral
mucosa



Osteoma of the
frontal cavity - CT

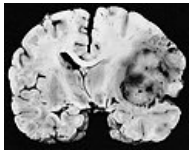


Malignant mesenchymal tumors

'*Malignant*' mesenchymal tumors are referred to as *sarcomas* (the appearance of fish meat). They grow infiltratively and metastasize mainly hematogenously. The degree of malignancy is determined by the frequency of mitosis, chromosome atypia and the presence and extent of necrosis, rather than nuclear and cellular polymorphism. The basic marker is the material of intermediate filaments - '*vimentin*', in muscle cells '*desmin*' (and myofilament components).

Includes:

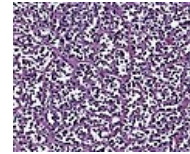
- fibrosarcoma
- chondrosarcoma
- hemangiosarcoma
- leiomyosarcoma
- rhabdomyosarcoma
- osteosarcoma



Chondrosarcoma
(1) .jpg
Chondrosarcoma
of the chest wall



Uterine
leiomyosarcoma
(1) .jpg



Hemangiosarcoma
of the spleen in a
dog

Links

Source

- ws:Mezenchymové nádory

Related Articles

- Myxoma
- Lipoma
- Liposarcoma
- Hibernoma
- Hemangioma
- Angiosarcoma
- Lymphangioma
- Leiomyoma
- Leiomyosarcoma
- Rhabdomyoma
- Rhabdomyosarcoma
- Chondroma
- Chondrosarcoma
- Osteoma
- Osteosarcoma

Source

- PASTOR, Jan. *Langenbeck's medical web page* [online]. [cit. 18.04.2010]. <<https://langenbeck.webs.com/>>.
- STŘÍTESKÝ, Jan.. *Pathology*. 1. edition. 2001. ISBN 80-86297-06-3.