

IDEXX Laboratories Danmark ApS c/o Habour House Sundkrogsgade 21 DK-2100 Copenhagen

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Account ID: ONKO14 Pet-Owner: Hansen Claus Internal lab-number: HI201430 University Hospital for Animal name: Maxi 48237 Barcode number: Companion Animals Species: Dog Gender: F Material: Dyrlaegevej 16

Age:

12 Y

Date of receipt: 26.06.2019 tissue material, tissue

material

1)

80420815

LAB REPORT: 📈

1870 Frederiksberg



Maxi 48237

material: tissue material

Histopathologic examination

ADDENDUM PLEASE SEE BELOW

CLINICAL HISTORY

12 years old canine with a 12 cm mammary gland tumor.

SUBMITTED MATERIAL

4 biopsy samples, 20 x 19 x 17 to 63 x 43 x 34 mm in size.

HISTOPATHOLOGICAL DESCRIPTION

The subcutis contains a multilobular, infiltrative proliferation of spindle shaped to polygonal mesenchymal cells in disorganized bundles and sheets, surrounded by variably edematous stroma. These tumor cells have an oval to irregular central nucleus with prominent nucleoli, coarse chromatin pattern and fibrillar eosinophilic cytoplasm. They show moderate atypia, and the mitotic index is 1 to 2 per 400 magnification field. There are large areas with necrosis and suppurative to mixed inflammation. In one section, there is an area with cartilaginous differentiation and focally formation of osteoid material in between neoplastic cells. There is no epithelial component visible.

The regional lymph node shows a reactive appearance with many plasma cells. There are no indications for metastatic disease.

MARGINS

In the biopsy samples of peripheral sites, there is a tumor cell-free margin present.

DIAGNOSIS

Ventral abdomen, M4-5 right side: high grade sarcoma/osteosarcoma.

BEHAVIOR

Malignant.

PROGNOSIS

Guarded, with potential for local recurrence, and potential for metastatic disease (via the hematogenous route, mainly to the lungs).

COMMENT

Histological examination demonstrates a high grade sarcomatous proliferation, without accompanying epithelial component. Hence, a highgrade sarcoma probably poorly productive osteosarcoma is most likely. The prognosis of this tumor is similar to that of osteosarcomas on other locations.

ADDENDUM

Multiple news sections of the with tissue material show a similar, high grade sarcomatous proliferation as previously described, with large areas



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of necrosis. In between a small portion of neoplastic cells, there is slightly more, amorphic eosinophilic interstitial stroma present, suspicious for osteoid.

Hence, this confirms the suspicion of a poorly productive osteosarcoma. A high-grade undifferentiated sarcoma cannot be completely excluded as a differential.

Your sample was examined by: Dr. Sofie Maes Dipl. ECVP (email address: sofie-maes@idexx.com)

Due to the characteristics of the submitted sample, a special treatment is required before the examination (e.g. additional fixation, defatting or decalcification). Please note that this may lead to a delay in receiving the report. We thank you for your understanding.

Interpretation and comments:

1)

Histopathology and cytology results can be discussed Monday to Friday, 11:00 h to 16:00 h.

Validated by:

Dr. U.-J. Dumke (Specialist vet, Histopathology)

Our printed reports are valid without signature.

All test analysis is performed in our Ludwigsburg Laboratory and as such is included in the scope of accreditation unless otherwise indicated (DIN EN ISO/IEC 17025, D-PL-13356-01-00).

All results apply to the received sample(s) and provided information.

Information regarding the precise date of the test performance are available on request.