

2700 Bronshoj

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

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Account ID: BRON Pet-Owner: Nielsen Sonja Internal lab-number: HI215050 Evidensia Animal name: Barcode number: 78874669 Basse Bronshoj Dyreklinik Species: Dog Date of receipt: 27.04.2019 Frederikssundsvej 195 Gender: Material: Μ tissue material

10 Y

LAB REPORT: 📂 Basse

## material: tissue material

# Histopathologic examination

**CLINICAL HISTORY** 

10 years old canine with enlarged peripheral lymph nodes, and with hair loss of the pinnae and full-body pruritus.

#### SUBMITTED MATERIAL

3 biopsy samples of which 2 skin biopsy samples for mm in diameter, and 1 biopsy sample,  $10 \times 8 \times 6$  mm in size.

#### HISTOPATHOLOGICAL DESCRIPTION

1 fragmented biopsy sample of the lymph node, partially with artifact formation by squeezing artifacts. There is no recognizable normal lymph nodes architecture present, and most of the tissue is occupied by diffuse sheets of intermediate size lymphoid cells. These cells have a round to irregular central nucleus with prominent nucleoli, finely stippled chromatin pattern and few eosinophilic cytoplasm. They show mild to moderate atypia, and the mitotic index is 0 to 1 per 4 magnification field. There are scattered tingible body macrophages and there is single cell apoptosis. Also, there are few areas with more extensive necrosis. 2 skin biopsy samples, with a moderate to marked acanthotic epidermis with some hyperkeratosis/parakeratosis. There is dermal edema and fibrosis in one sample, and there is perivascular to diffuse interstitial mixed inflammation with lymphocytes, plasma cells and fewer neutrophils and eosinophils. Also there are scattered mast cells present. Adnexal structures show a normal architecture, with variable hyperplasia of sebaceous glands and dilated sweat glands surrounded by inflammatory cells. There are no vascular abnormalities visible.

PAS stain: negative for fungi and yeast.

## **DIAGNOSIS**

Submandibular lymph node: malignant lymphoma.

Skin pinna: chronic hyperplastic mixed dermatitis.

BEHAVIOR Malignant.

PROGNOSIS Guarded.

#### COMMENT

Additional immunohistochemical examination is possible for further differentiation (T/B cell). If required, please contact the helpdesk.

The lesion on the skin is, in combination with the clinical picture, mostly suggestive for a chronic allergic dermatitis.

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



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## Interpretation and comments:

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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.