

Account ID: MOJVMOJVET Klinika za Male Zivali
Celovska 258
1000 Ljubljana**Pet-Owner:** Topolak Jure**Animal name:****Species:** Dog**Gender:** M**Age:** 05 Y**Internal lab-number:** HI270380**Barcode number:** 76267529**Date of receipt:** 07.08.2024**Material:** microscope slide**LAB REPORT:** **material: microscope slide****Cytological examination (3 - 8 sites)**

1)

CLINICAL HISTORY

Mass in thorax, bilateral on US cavernous. Weight loss, dyspnoea.

SUBMITTED MATERIAL

Eight smears.

CYTOLOGICAL DESCRIPTION

The background contains a pale proteinaceous material, occasional to several red blood cells, lysed nucleated cells and rare to occasional small blue cytoplasmic fragments. Six smears have low cellularity but two of the smears contain moderate numbers of nucleated cells. They consist mostly of many small mature lymphocytes, occasional blood associated neutrophils and rare intermediates to large lymphocytes. Rare to occasional clusters of epithelial cells are also present. They have round to oval nuclei, coarse chromatin pattern, indistinct nucleoli and scant cytoplasm. Anisocytosis and anisokaryosis appear mild.

INTERPRETATION/DIAGNOSIS

Consistent with a thymoma.

COMMENT

The cytologic findings are most consistent with a thymoma. Histologically, thymomas can be differentiated as epithelial thymoma, mixed lymphoid epithelial thymoma, or lymphocyte predominant thymoma. It is not uncommon for aspirates of thymomas to contain primarily small lymphocytes with only lower numbers of epithelial cells as in this case. Thymic neoplasia has been associated with myasthenia gravis, megaesophagus, hypercalcemia, and pure red cell aplasia. Metastasis to the lung and liver are uncommon. Additional imaging studies may be warranted depending on your clinical impression. There are rare case reports of paraneoplastic lymphocytosis associated with thymomas in dogs and cats, correlation with hematology results is recommended.

Your sample was examined by: Mariana Serra DVM DipECVCP FRCPath MRCVS Diplomate, Eur.Col. of Vet.Clin.Path.
(email address: mariana-serra@idexx.com)

Interpretation and comments:

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For discussion of histopathological and cytological results please use the phone and e-mail contacts known for your country or e-mail address provided at the end of the report.

Please note: Results can only be discussed with the submitting veterinarian.

Pet-Owner: Topolak Jure**Animal name:****Internal lab-number:** HI270380**Validated by:**

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

Our printed reports are valid without signature.

All test analysis is performed in our Kornwestheim 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.