

CAPE OF GOOD HOPE SPCA
GRASSY PARK
7945

2023-02-15

For attention: DR SPAMER

OUR REF: JB682911, COGH SPCA CANINE DIESEL

DIAGNOSIS:

Cutaneous squamous cell carcinoma with concurrent actinic dermatitis

PROGNOSIS:

Fair

MARGINS:

Not visible

CLINICAL HISTORY:

Court case. Large, severely ulcerated mass on inner right antebrachium. Suspect severe squamous cell carcinoma.

HISTOLOGY:

Skin, (Block A, 2 sections): The sample shows a plaque like, highly infiltrative, ulcerated mass in the dermis and subcutis emanating from the epidermis. It consists of variably sized cords, trabeculae and islands of pleomorphic epithelial cells with mild to moderate fibrous stroma. The cells have moderate to abundant eosinophilic, indistinctly bordered cytoplasm and large round to ovoid nuclei with margined chromatin and a single distinct eosinophilic nucleolus. They also show prominent intercellular bridges, individual cell keratinisation and keratin pearl formation as well epidermal contiguity. Additional changes include multifocal secondary inflammation with associated fibrosis/scirrhous reaction which includes mixed macrophages, neutrophils as well as lymphocytes and plasma cells. The adjacent intact epidermis at the periphery of the biopsy is moderately acanthotic and dysplastic. There is mild fibrosis and pale staining pattern of the superficial dermis (solar elastosis) immediately adjacent to the epidermis. There are mild to moderate numbers of lymphocytes, plasma cells and neutrophils in the superficial dermis. The mitotic index is 14 per 10 high power fields. Margins are not possible to identify.

COMMENTS:

The lesion is compatible with a squamous cell carcinoma with adjacent actinic dermatitis as suspected clinically. This is a malignant neoplasm arising from epidermis or hair follicle epithelium. It is commonly seen in short haired dogs and is often associated with chronic ultraviolet radiation-induced damage to keratinocytes in the unpigmented skin on the ventral abdomen, flanks and medial stifle. Squamous cell carcinomas are locally infiltrative, and recurrence is common following incomplete surgical excision. They are relatively slow to metastasise and is often limited to regional lymph nodes but widespread metastasis may occur unpredictably in individuals. Enlarged regional lymph nodes draining the primary tumour site should be examined by cytology or histopathology to check for metastasis.

Yours faithfully

Dr. Collin Martin
BVSc, MMedVet

Anatomical Pathology
e-mail: collin-martin@Idexx.com
Mob: +27(0)66 476 5498
Tel: +27(0)11 691 8200

A handwritten signature in black ink, appearing to read 'Collin Martin', with a stylized flourish at the end.

2023-02-15 09:42:14



Laboratory Operations
Idexx Laboratories (Pty) Ltd
<https://idexx.co.za>

57 Forssman Close, Unit 8
Kyalami Village, Barbeque Downs
Johannesburg

+27 11 691 8200
lab-sa@idexx.com

Account:
CAPE OF GOOD HOPE SPCA
C/o 1st Avenue & 1st Road

Grassy Park 7945
Telephone: 021 700 4140/5

Owner: COGH SPCA
Patient: DIESEL
Gender: Neutered
Specie: Canine
Age: 0Y 0M 0W
Breed: PITBULL TERRIER

Lab number: JB682911
Received: 10 February 2023
Printed: 15 February 2023
Referring vet: DR SPAMER
Your reference:

FINALISED LABORATORY REPORT:



DIESEL

REVISION 1/1

CLINICAL HISTORY:

<u>Testname</u>	<u>Test value</u>	<u>Units</u>	<u>Flag</u>	<u>Range</u>
Histopathology Tumours & Skin Biopsies (max. 2 sites)				

LABORATORY OPERATIONS: Address: Idexx Laboratories (Pty) Ltd, 57 Forssman Close, Unit 8, Kyalami Village, Barbeque Downs, Johannesburg

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