



7730 N Wickham Rd, Suite 108, Melbourne 32940
P: 321-610-1999 F: 321-610-1994

Date: Monday, March 18, 2019
Client: Daniele Flowers
Patient: Diddy, Spayed Female, Terrier Mix, Canine, 10 Yrs. 0 Mos.
Family Veterinarian: Dr. Valerie Yucius, Affordable Vet Care.
Oncologist: Dr. Evan Sones, Animal Cancer Care Clinic.

Dear Drs. Yucius and Sones,

It was our pleasure to examine Diddy Flowers today.

Presenting Concern: Squamous cell carcinoma right mandible.
History: Diddy presented to the RDVM on 2/11/19 and an oral growth that was noticed a few weeks prior (initially thought to be an abscessed tooth) was removed and meloxicam and tramadol were dispensed. Tissue was submitted for histopathology and came back as a squamous cell carcinoma. On 2/25 the RDVM dispensed trazodone, carprofen, acepromazine and amoxi/Clav on 2/25. Diddy presented to Dr. Sones on 3/8/19, a 1.5cm firm, fixed, necrotic mass was noted on the right lateral mandible, surgical excision was recommended and clindamycin was dispensed. Ms. Flowers reported that it seems like Diddy has some difficulty picking up food on R side of mouth and there is a foul odor. Aside from having a bilateral anal saccullectomy (chronic expressing and inflammation), no other health issues were noted. E/D well.
Medications: Sentinel Spectrum, Carprofen 37.5mg PO SID, Trazodone 50mg PO before traveling/vet visits, Acepromazine 10mg PO before traveling/vet visits.
RDVM Diagnostics: 2/5/19 CBC/chemistry ALKP: 700
2/11/19 Histopath: Squamous cell carcinoma
Weight: 8.2 kgs **Temperature:** 102.3 °F **Pulse:** 128 bpm **Respirations:** 24 bpm
Orthopedic Exam: Normal.
Neurologic Exam: Normal.
Attitude: BAR.
LN: The right mandibular LN is enlarged on palpation.
Hydration: Normal.
Oral Exam: There is a 2cm (Cr/Ca) x 1.8cm (DV) dermal mass that extends from the level of the 3rd premolar caudally. A limited oral examination reveals an ulcerated, raised lesion/mass on the lateral surface of the mandible the inner lip, extending from the 2nd premolar caudally, but due to Diddy's poor cooperation, I was unable to assess how far the mass extended caudally, or if the mass involved the fauces or the lingual mucosal surface.
Cardiovascular: No obvious murmur noted.



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Respiratory: Normal bronchovesicular sounds.
Abdominal Palpation: Soft, non-painful. No palpable organomegaly.
Rectal Examination: Did not examine.
Urogenital: Appears normal.
Diagnostics Performed. 3 view chest and a lateral cervical radiograph were taken and submitted for a radiology consult. An ECG was transmitted to IVS and was normal.
Assessment: Oral squamous cell carcinoma, possible enlargement of the retropharyngeal LN on radiographs.
Recommendations: Pending the radiology report, a CT may be recommended to obtain more information prior to surgery. We may also wish to sedate Diddy prior to surgery to obtain better knowledge of the extent of the mass. Surgical excision of this mass would involve a hemimandibulectomy, with reconstruction of the defect with a rotation or advancement flap. Dogs typically do well with this procedure, with wound dehiscence being the most common complication.
Plan: Pending the radiology report.

Laboratory Results:

Test	Result	Reference Range
BASO	0.03 $10^9/l$	0.00 - 0.40
EOS	0.05 $10^9/l$	0.00 - 0.80
HCT	39.45 %	37.00 - 55.00
HGB	20.7 g/dl (+)	12.0 - 18.0
LYMPHS	1.03 $10^9/l$	1.00 - 4.80
MCH	37.9 pg (+)	19.5 - 24.5
MCHC	52.4 g/dl (+)	31.0 - 39.0
MCV	72 fl	60 - 77
MONOS	1.11 $10^9/l$	0.20 - 1.50
MPV	9.7 fl	3.9 - 11.1
RBC	5.45 $10^{12}/l$ (-)	5.50 - 8.50
WBC	12.02 $10^9/l$	6.00 - 17.00
%LYMPHS	8.5 %	0.0 - 100.0
%MONOS	9.3 %	0.0 - 100.0
NEUT	9.81 $10^9/l$	3.00 - 12.00
%NEUT	81.6 %	0.0 - 100.0
%EOS	0.4 %	0.0 - 100.0
%BASO	0.2 %	0.0 - 100.0
PLT	418 $10^9/l$	165 - 500
PCT	0.40 %	0.00 - 0.00
PDWs	16.4 fl	0.0 - 0.0
PDWcv	38.7 %	0.0 - 0.0



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RDWs	48.4 fl	0.0 - 0.0
RDWcv	17.9 %	14.0 - 20.0

Medications prescribed: A prescription was called in for: Clindamycin 150mg capsule by mouth every 12 hours (#28).

I appreciate your support of Veterinary Specialty Center. If you have any questions about this case, or any other case, please feel free to contact me.

Sincerely,

Darien Lawrence
BVSc, MS, CCRT, Diplomate ACVS.



IVS
TELEMEDICINE

**ELECTROCARDIOGRAPHIC
INTERPRETATION**

PRE-ANESTHESIA ELECTROCARDIOGRAM

Date: 03/18/19

Veterinarian: Dr. Lawrence
321437

Clinic: 6320 Veterinary Specialty Center***
yrs

Phone: 321-610-1999
spayed female

FAX: 321-610-1994
17.0 Lbs

Patient: Diddy Flowers

Pt. ID#:

Species: Canine

Age: 10

Breed: Terrier Mix

Sex:

Wt:

Clinical Findings: Diddy Flowers presented for an electrocardiogram prior to anesthesia for the following procedure: mass removal. A heart murmur was not detected on physical exam. At this time there are no clinical signs of heart disease or congestive heart failure.

Current Medications: carprofen 37.5 mg sid, trazadone 50 mg prn, acepromazine 10 mg prn, sentinel plys

Other: Lab results are currently pending. Thoracic radiographs have not been performed.

Anesthesia Planned: Hydromorphone-acepromazine-Ketamine-Valium-isoflurane

ECG Findings:

Heart Rate: 103-113 bpm

Rhythm: Normal Sinus

Arrhythmia

ECG Abnormalities(if any):

Assessment: There is no electrocardiographic contraindication for anesthesia. If there are any questions regarding this report or recommendations, please feel free to give us a call.

Lead II - 50 mm/sec



Type: PreOp ECG (Digital)

Julie Corbett, DVM, DACVIM

This report is based solely on information supplied by the primary care facility. Please contact us if the report is not in accord with the information you have on file, or if it does not appear to adhere to generally accepted medical practice. IVS assumes no responsibility for the archival of submitted diagnostics.

Requesting Veterinarian Darien Lawrence
Requesting Facility Veterinary Specialty Center
7730 N. Wickham Rd.
Suite #108
Melbourne FL 32940
Phone 3216101999
Fax 3216101994

Report Date 03/19/19 10:06 am
Received Date 03/19/19 10:00 am
Request Date 03/18/19 2:15 pm
Study Date 03/18/19
Report # 1499674

Patient Flowers, Diddy **Owner** Daniele **Patient ID** 40729
Sex Female, Spayed **Age** 10y **Weight** 18.00 lbs. **Species** Canine **Breed** Terrier mix
Study Plain Film/X-Ray: Thorax **Req. Type** 24 Hour

History Dr. Samii or Nemanic to read please.

Diddy presented to the RDVM on 2/11/19 for a dental and removal of an oral growth that was noticed a few weeks prior (initially thought to be an abscessed tooth). The mass was biopsied and histopathology confirmed a squamous cell carcinoma. There is a 2 x 1.8 cm ulcerated mass on R lower lip, also involving the buccal mucosa and lateral surface of the mandible, extends from 3rd premolar caudally. Mandibular LN prominent, suspect enlarged retropharyngeal LN on radiographs. Met check performed.

Findings

Available are left lateral, right lateral and VD projections of the thorax, as well as to lateral projections of the neck.

The cardiovascular structures are normal, with a vertebral heart score of 10.4. The pulmonary parenchyma is normal with no evidence of soft tissue opaque nodules.

There is mild thickening of the soft tissues seen between the larynx and C2, in the region of the medial retropharyngeal lymph nodes, however the fascial planes remain well-defined and smoothly margined.

Conclusions

1. Unremarkable thorax with no evidence of pulmonary metastases.
2. Possible medial retropharyngeal lymphadenopathy. Ultrasound-guided fine-needle aspirates could be performed for a more definitive diagnosis.

If you would like additional information regarding specific treatment recommendations for this case please submit an additional request for an internal medicine consultation. Please make sure you apply the same patient identification number to the request.


Sarah Nemanic, DVM, MS, PhD, Diplomate ACVR

If you have any questions (veterinarians only), please email me at senemanic@gmail.com or call 541-207-7019. You may also call 1-888-473-8729 for immediate assistance.

Veterinary Specialty Center
Sonographer: Sonya Myers DVM

Diddy Flowers
Canine FS Terrier Mix 10 yo 18 lb

032119

CLINICAL FINDINGS & PERTINENT HISTORY:

Oral SCC on right side. Rads - retropharyngeal lymphadenopathy.

SONOGRAPHIC FINDINGS:

Cervical ultrasound:

Retropharyngeal lymph nodes are bilaterally enlarged. The right measures 3.4 x 0.97 cm and is hypoechoic to mixed echoic with heterogenous parenchyma and multifocal areas of mineralization. The left measures 2.7 x 0.61 cm and also has a hypoechoic to mixed echoic, heterogenous appearance.

FNA performed of the right retropharyngeal lymph node. Cytology pending.

Post FNA revealed no evidence of hemorrhage.

Patient Info:

Name: Diddy
Chart No: 40729
Owner: Flowers Daniele
Doctor: Darien Lawrence

Species: Canine
Breed:
Age: 10Y
Sex: SF

Hospital:

Veterinary Specialty Center
7730 N Wickham Rd Ste
107-110 Melbourne, FL
32940
Antech ID: 100779

Lab:

ANTECH Diagnostics
7415 Emerald Dunes Drive
Orlando, FL 32822
Reported: 03/22/19
12:12 PM
Received: 03/21/19
08:12 PM

Accession No	Doctor	Owner	Pet Name
ORCB00624749	Darien Lawrence	Flowers Daniele	Diddy
Results	Adult Reference Range		

Cytology

CYTOLOGY

CLINICAL INFORMATION:

10 year old Canine

SOURCE No. 1:

Submandibular lymph node: 2 slides examined

DESCRIPTION/MICROSCOPIC FINDINGS/COMMENTS:

Microscopic Description:

The sample is moderately to highly cellular with mild hemodilution. It consists of a majority of small, well-differentiated lymphocytes with an expanded intermediate lymphocyte population and few lymphoblasts. Plasma cells are moderately increased in number. No overtly neoplastic cells are seen.

MICROSCOPIC FINDINGS:

Reactive lymphoid hyperplasia.

Comment:

Differential diagnoses include infectious disease (eg. Ehrlichia), immune-mediated disease with reactive lymph nodes, or a local lesion that the reactive node is draining. The lymph node may be enlarged due to the squamous cell carcinoma reported, but no overtly neoplastic cells seen.

SOURCE No. 2:

Retropharyngeal lymph node: 3 slides examined

DESCRIPTION/MICROSCOPIC FINDINGS/COMMENTS:

Microscopic Description:

The sample is moderately to highly cellular with mild hemodilution. It consists of a majority of small, well-differentiated lymphocytes with an expanded intermediate lymphocyte population and few lymphoblasts. Plasma cells are moderately increased in number and few macrophages are seen. No overtly neoplastic cells are seen.

MICROSCOPIC FINDINGS:

Reactive lymphoid hyperplasia.

Comment:

Differential diagnoses include infectious disease (eg. Ehrlichia), immune-mediated disease with reactive lymph nodes, or a local lesion that the reactive node is draining. The lymph node may be enlarged due to the squamous cell carcinoma reported, but no overtly neoplastic cells seen.

PATHOLOGIST:

Elizabeth Young, DVM, DACVP (404)257-9352 or (678)243-9337 elizabeth.young@antechmail.com
Please contact me directly at the phone number or email above if this interpretation is inconsistent with your clinical impression or requires further clarification.

Patient Info:

Name: Diddy
Chart No: 40729
Owner: Flowers Daniele
Doctor: Darien Lawrence

Species: Canine
Breed:
Age: 10Y
Sex: SF

Hospital:

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7730 N Wickham Rd Ste
107-110 Melbourne, FL
32940
Antech ID: 100779

Lab:

ANTECH Diagnostics
7415 Emerald Dunes Drive
Orlando, FL 32822
Reported: 03/25/19
08:00 PM
Received: 03/21/19
08:34 PM

Accession No	Doctor	Owner	Pet Name
ORBB00741217	Darien Lawrence	Flowers Daniele	Diddy
Results		Adult Reference Range	
Histopathology Full			

History:

Right caudal mouth (fauces). Patient has oral squamous cell carcinoma on right lower lip margin that extends caudally on the buccal mucosa. These biopsies are caudal to the apparent mass, but I am concerned the squamous cell carcinoma may extend here. See previous accession ORBB00699928 (02/11/19) SQUAMOUS CELL CARCINOMA.
- Received: Four tissues less than 1.0 cm - all processed.

HISTOPATH REPORT:

DESCRIPTION/MICROSCOPIC FINDINGS/COMMENTS:

DESCRIPTION In the 4 samples from the right fauces submitted, there is epithelial acanthosis. Basement membrane supporting the hyperplastic epithelium are intact and there is no scirrhous response. There is occasional dyskeratosis. There is submucosal lymphoplasmacytic inflammation. There is fibroplasia neovascularization.

MICROSCOPIC FINDINGS:

CHEILITIS, LYMPHOPLASMACYTIC, EROSION, PROLIFERATIVE, SUBMUCOSAL FIBROPLASIA NEOVASCULARIZATION AND SEGMENTAL DYSPLASIA

COMMENT There is no evidence of squamous cell carcinoma or other malignancy in the 4 samples provided. Changes are consistent with chronic irritation and reparative proliferation.

PATHOLOGIST:

Cynthia X. Bacmeister, DVM, PHD, Diplomate, American College of Veterinary Pathologist

I am available during regular business hours (Pacific Time Zone), Friday-Monday. Veterinarians, if you would like to discuss this case please email me at cindy.bacmeister@antechmail.com or call my direct number at 1-800-745-4725, ex102802. If I am unavailable, please call Customer Service at 1-800-872-1001.

Note: With our Antech OnLine viewer, you can access the pathologist's Snippet image of the histopathologic lesions of this accession. Open the accession on Antech OnLine, and click the large DigiPath icon.

You will see Antech Diagnostic's exclusive interactive Snippet, complete with a magnifier.

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4/4/2019

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7730 N Wickham Rd
Suite 108
Melbourne, FL 32940
(321) 610-1999

Daniele Flowers
2356 Eden Park Drive

Melbourne, FL 32935

Client ID: 38173
Estimate ID: 17982
Expiration Date: 3/28/2020

Patient ID: 40729	Species: Canine	Weight: 8.20 kilograms	Sex: Spayed Female
Patient Name: Diddy	Breed: Terrier Mix	Birthday: 03/18/2009	

	<u>Description</u>	<u>Low Qty.</u>	<u>Low Amount</u>	<u>High Qty.</u>	<u>High Amount</u>
3/29/2019	Estimate Surgery and Anesthesia	35.00	\$3,500.00	50.00	\$5,000.00

Low Subtotal: \$3,500.00 High Subtotal: \$5,000.00

Low Total: \$3,500.00 High Total: \$5,000.00

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4/4/2019

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(321) 610-1999

Daniele Flowers
2356 Eden Park Drive

Melbourne, FL 32935

Client ID: 38173
Estimate ID: 17982
Expiration Date: 3/28/2020

Patient ID:	40729	Species:	Canine	Weight:	8.20 kilograms	Sex:	Spayed Female
Patient Name:	Diddy	Breed:	Terrier Mix	Birthday:	03/18/2009		

I am the owner or the agent of the animal described above, and have the authority to execute this consent. I hereby consent and authorize Veterinary Specialty Center and their staff to perform the procedures and operations as discussed.

The nature of the procedures has been explained to me, and I understand what will be done and the prognosis.

I have also been informed that there are certain risks and complications associated with any operation or procedure of this type. They have been explained to me. I further understand that during the course of the operations or procedures, unforeseen circumstances may arise that necessitate the performance of additional procedures.

I authorize the use of appropriate anesthesia and pain relief medication as needed before or after the procedure. I have also been informed that there are risks associated with the use of any anesthetic drug or medication.

This is only an estimate of charges, and consists of a low and high amount. We make every attempt to provide you with an accurate estimate that is based on your pet's problem and anticipated treatment. The difference between the low and high end, as well as the final invoice amount, is based on the actual surgery and anesthetic time, number of days in the hospital, unexpected diagnostics, treatments or medications that may be needed, or any complications that occur while your pet is hospitalized.

Every effort will be made to contact you in the event charges will exceed the high end of the estimate by 15%. This estimate only applies to this visit, for this pet, and does not cover follow-up visits or procedures or the cost of complications that may occur. This estimate is valid for one month.

I understand my obligation for payment and agree to pay a deposit equal to the low end of the estimate and the balance in full upon completion of the above services. Personal checks are accepted with proper identification. A billing fee and late payment charge of 1.5% per month will be applied to invoices over 30 days. All invoices are reviewed and updated prior to determining if a refund is due. Refunds are processed in 7 to 10 business days, in the form of a check.

I understand that any personal pet items left with my pet are left at my own risk and may be lost. This includes but is not limited to bowls, toys, leashes, collars, bedding and blankets. I will not hold Veterinary Specialty Center responsible for these items if left with my pet.

Authorizing Signature

Witness Signature