



PATIENT

Roma Estepa

SPECIES

Canine

BREED

French Bulldog

SEX

Spayed Female

AGE

1.5 Years

WEIGHT

24 Pounds

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet Specialist
in Diagnostic Imaging

IMAGING PERFORMED BY

Dr. Amanda Causey

HOSPITAL NAME

Heron Lakes AH

REFERRING VET

Dr. Lera

INVOICE

35440

DATE

1/15/26

PRESENTING CLINICAL SIGNS

History: Small mass noted on mandible about 1 year ago. Recently the mass on her mandible has increased in size and started to bleed. History of ear infections. Multiple courses of antibiotics and NSAIDS have been given.

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, AND CHEST

There is severe, irregular, and proliferative osseous remodeling of the **left mandible**, predominantly affecting the mandibular body and extending toward the mandibular ramus. The affected bone demonstrates marked cortical thickening, periosteal new bone formation, and a heterogeneous, expansile appearance. The normal mandibular architecture is distorted with regions of sclerosis interspersed with irregular mineral opacity and lytic areas. Dentition associated with the left mandible is obscured by proliferative bone. No obvious tooth root abscessation or focal periapical lysis is identified.

The right mandible appears within normal limits, with no comparable proliferative or lytic changes identified.

The head shows a severe brachycephalic head formation due to breed with impressing shortening of the nasal cavities, aberrant conches, and a hyperostotic skull bone that affects the tympanic bullae walls on both sides. The right tympanic bulla is completely filled with soft tissue-/fluid-dense material that expands into the horizontal part of the external ear canal, which is significantly narrowed and represents an irregular outline of the inner wall.

The left mandibular lymph nodes are moderately enlarged, corresponding to the changes of the left mandible. The neurocranium is inconspicuous. The soft tissues of the head and neck do not show particular findings apart from that.

There are marked degenerative changes noted within the cervical spine with calcified nuclei of the discs.

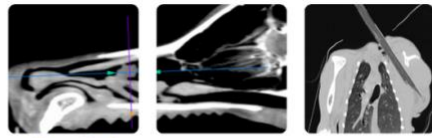
The chest does not show particular findings. There are no signs of an active inflammatory or even neoplastic process.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Suspected and advanced stage of CMO (craniomandibular osteopathy) left mandible
- Secondary enlargement left mandibular lymph nodes
- Hyperostotic skull and tympanic bullae walls with signs of otitis media and externa on the right

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is severe, unilateral proliferative osseous disease of the **left mandible** noted, characterized by irregular periosteal new bone formation and cortical thickening. The CT features, in conjunction with the patient's age, breed, and clinical history, are **most consistent with severe cranio-mandibular osteopathy (CMO)**. Other differentials would include chronic osteomyelitis (less likely given lack of aggressive lysis or sequestra) and primary bone neoplasia (considered unlikely due to patient signalment and characteristic proliferative pattern). Secondary inflammation and infection are possible.



PATIENT

Roma Estepa

SPECIES

Canine

BREED

French Bulldog

SEX

Spayed Female

AGE

1.5 Years

WEIGHT

24 Pounds

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet Specialist
in Diagnostic Imaging

**IMAGING
PERFORMED BY**

Dr. Amanda Causey

HOSPITAL NAME

Heron Lakes AH

REFERRING VET

Dr. Lera

INVOICE

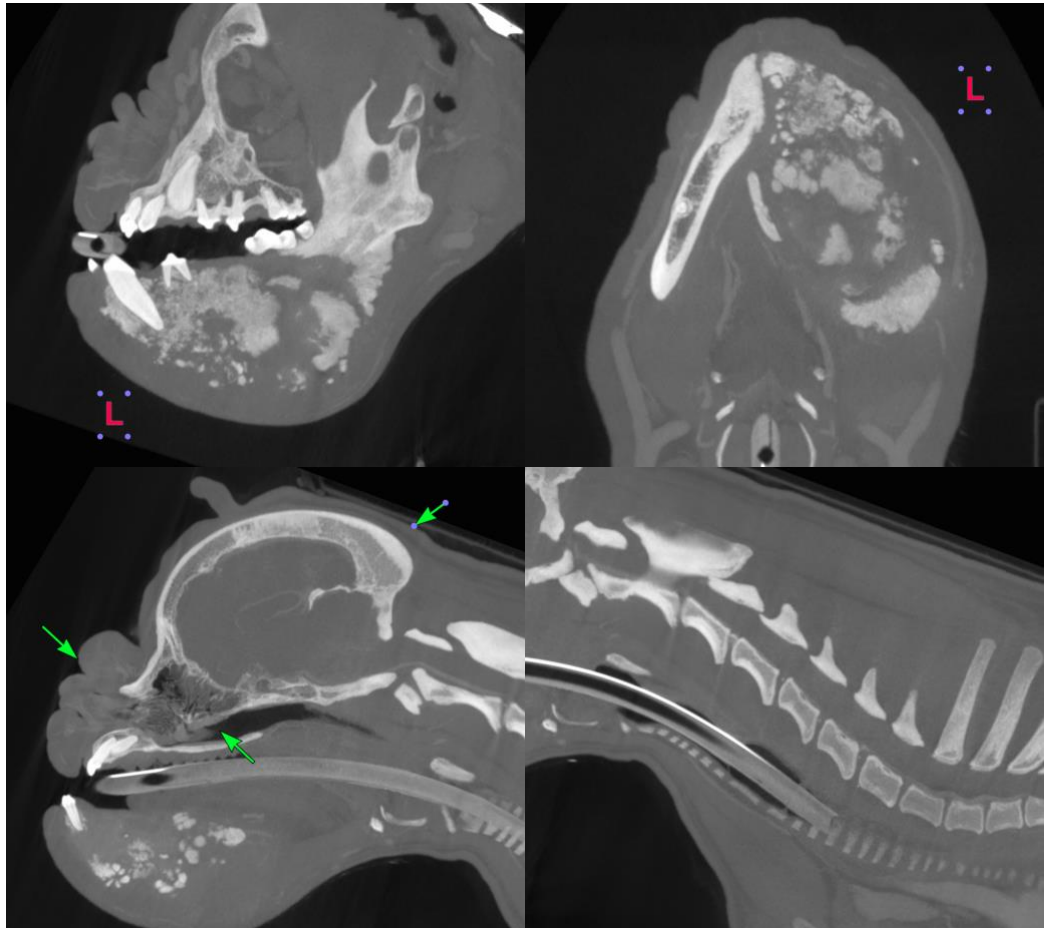
35440

DATE

1/15/26

Biopsy and histopathology are needed for further differentiation. Complementary FNA of the left mandible lymph nodes could be performed.

Further assessment could be performed with serial imaging to monitor disease progression or stabilization after medical management, which should be focused on pain control and anti-inflammatory therapy. There is a risk of pathologic fracture and displacement/dislocation of the left mandible.





PATIENT

Roma Estepa

SPECIES

Canine

BREED

French Bulldog

SEX

Spayed Female

AGE

1.5 Years

WEIGHT

24 Pounds

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet Specialist
in Diagnostic Imaging

IMAGING PERFORMED BY

Dr. Amanda Causey

HOSPITAL NAME

Heron Lakes AH

REFERRING VET

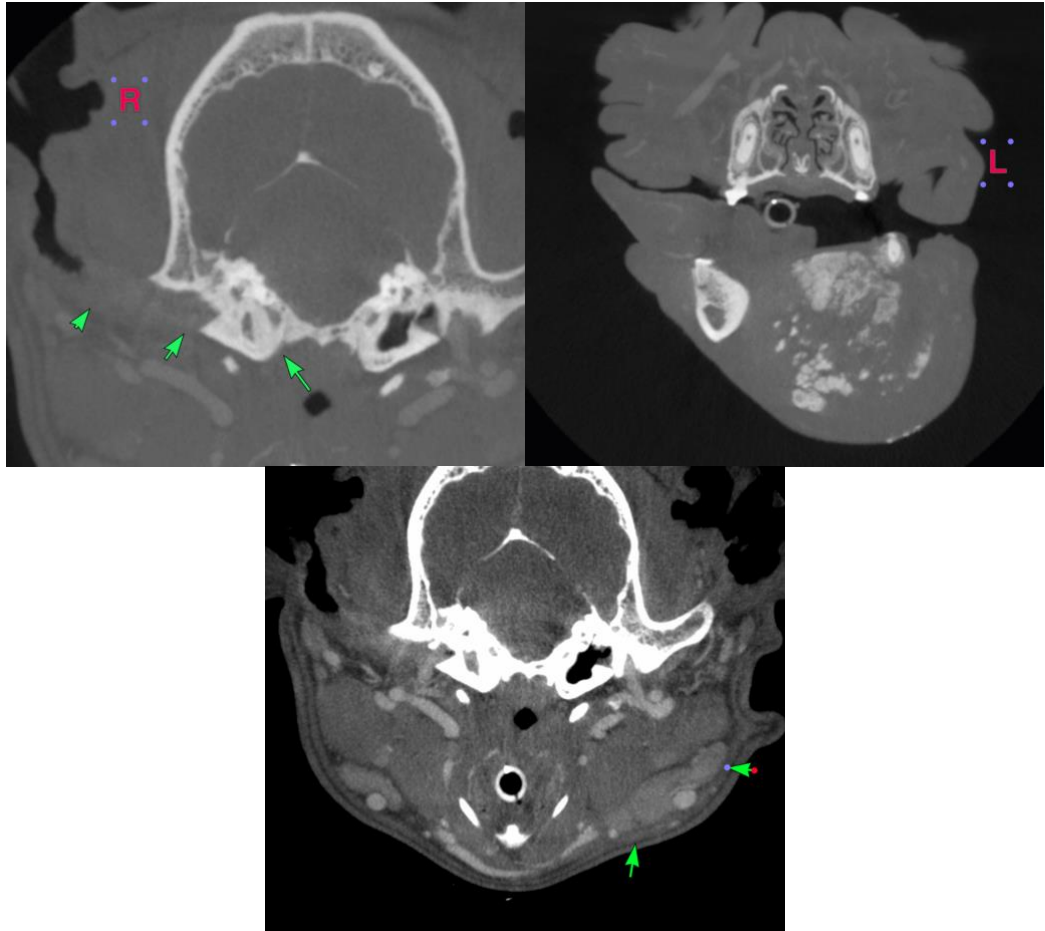
Dr. Lera

INVOICE

35440

DATE

1/15/26



The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

Sebastian Jawinski, German Board Certified Vet Specialist in Diagnostic Imaging
info@sonopath.com