



PATIENT

Finnigan Schnarr

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

5

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet
Specialist in
Diagnostic Imaging

HOSPITAL NAME

Animal Health
Partners

REFERRING VET

Dr. Edouard Marchal

INVOICE

47169

DATE

8-28-21

PRESENTING CLINICAL SIGNS

Finnigan, a 5 year old, MN Golden Retriever, presented to the AHP Neurology Service on August 28, 2021 for evaluation of right masticatory muscle atrophy. Finnigan clinical signs were first noted 2 weeks ago and include facial discomfort and runny nose (right nostril) He was seen at Southgate Animal Hospital by Dr Gagnon and mild right masticatory muscle atrophy was noted. Runny nose is not something unusual for him because he has allergies and it disappeared. However, the atrophy gradually worsened and even affected the left side. Furthermore, jaw pain was observed (cry when touching his mouth). Finnigan was still interested in food but only wanted to eat soft food. Prednisone was started 5 days ago and has shown improvement. He is less painful and can picky up his toys now. Current medications: -- prednisone 50mg SID Previous diagnostic testing: -- August 17th : CBC, biochemistry and T4 without significant abnormalities Previous medical history: -- 6-18 months : possible discoid onchodystrophy treatment tetracycline. Resolved. Auto-immune suspected? -- episodes of uncontrolled diarrhea/vomiting - no since spring 2020 Finnigan has otherwise been previously healthy. BCS: 5/9 MM: pink and moist, CRT: < 2 s, euhydrated EENT: clear OU, clean AU, nares clear, right sided mass seen in the soft palate Thor: no murmur or arrhythmia noted, normal RR/RE, normal bronchovesicular sounds Abd: soft, non-painful; no masses, fluid wave, or organomegaly UG: unremarkable PLN: within normal limits PP: strong, synchronous MSK: no lameness or joint effusion Integ: haircoat and skin in good condition Rectal: not evaluated Mentation: Bright, alert and responsive. Gait/posture: Ambulatory with no ataxia or paresis. Cranial nerve exam: Severe right masticatory muscle atrophy. Nasal stimulation decreased in the right side. Corneal reflex present. Facial sensation seems normal. Jaw opening is not painful. Normal jaw tone. No other deficits noted. Postural reactions: Proprioceptive positioning and hopping were normal in all limbs. Spinal reflexes: Normal. Sensory/nociception: No hyperesthesia elicited with palpation along the vertebral column.

MAGNETIC RESONANCE IMAGING OF THE HEAD / NECK

Pre/post contrast studies available for review.

MAGNETIC RESONANCE IMAGING FINDINGS

The neurocranium is inconspicuous. The ventricles are symmetrical and inconspicuous. All fluid sensitive sequences show no evidence of an edema, signs of a mass effect are not recognized. White and grey matter are seen with clear definition with age-related subtle narrowing of the latter. Post contrast images show no pathological enhancement. Pituitary gland is small and inconspicuous. Brain stem and the cerebellar-pontine angle are unremarkable.

The displayed parts of the tympanic bullae and external ear canals are inconspicuous.

Musculature of the head presents marked atrophy on the right.

The right maxillary bone reveals a significant bone edema with destruction of the cortical borders to the right nasal and oral cavity/sphenoidal sinus, the orbit and the subcutaneous region. There

**PATIENT**

Finnigan Schnarr

are prominent unstructured periosteal reactions noted. The alveolar bone of 108, 109 and 110 is affected. Especially the palatal root of 109 shows marked perifocal edema and presents as a center of the complete lesion. The peripheral section of CN V on the right is affected. Images after contrast present an inhomogeneous enhancement.

SPECIES

Canine

The mucous membranes of the adjacent conches of the nasal cavity and the frontal sinus are moderately thickened.

BREED

Golden Retriever

The roof of the nasopharyngeal meatus shows a small mass of 1.2 x 0.7 cm.

MAGNETIC RESONANCE IMAGING DIAGNOSIS**SEX**

MN

- Neoplasia of the right maxillary bone extending into the oral and nasal cavity, the orbit and subcutaneous region
- Secondary rhinitis/sinusitis, muscle atrophy due to CN V involvement
- Small nasopharyngeal mass
- Mild mandibular lymphadenomegaly on the right

AGE

5

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet
Specialist in
Diagnostic Imaging

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The mass represents an aggressive lesion of the right maxillary bone. Shape, way of extension and the unstructured periosteal reactions are suspicious for a malignant bone neoplasia such as maxillary osteosarcoma. An inflammatory process triggered by foreign material etc. is very unlikely. Differentials include but are not limited to squamous cell carcinoma and fibrosarcoma. Biopsy is needed for further differentiation and planning of chemo-/radiation therapy. MRI findings do match with the clinical presentation. Nasopharyngeal mass formation and enlargement of the right mandibular lymph nodes can be reactive-inflammatory and do not compellingly represent metastatic spread.

HOSPITAL NAME

Animal Health
Partners

REFERRING VET

Dr. Edouard Marchal

INVOICE

47169

DATE

8-28-21



PATIENT

Finnigan Schnarr

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

5

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet
Specialist in
Diagnostic Imaging

HOSPITAL NAME

Animal Health
Partners

REFERRING VET

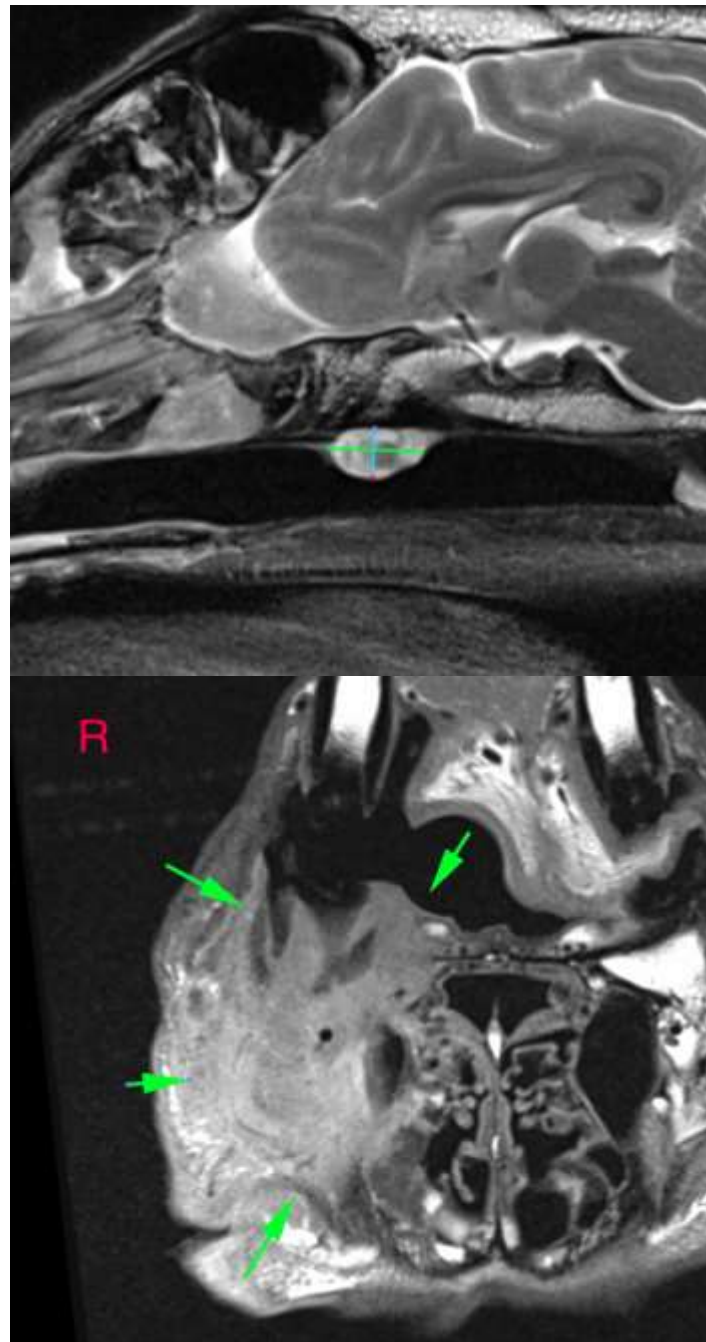
Dr. Edouard Marchal

INVOICE

47169

DATE

8-28-21





PATIENT

Finnigan Schnarr

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

5

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet
Specialist in
Diagnostic Imaging

HOSPITAL NAME

Animal Health
Partners

REFERRING VET

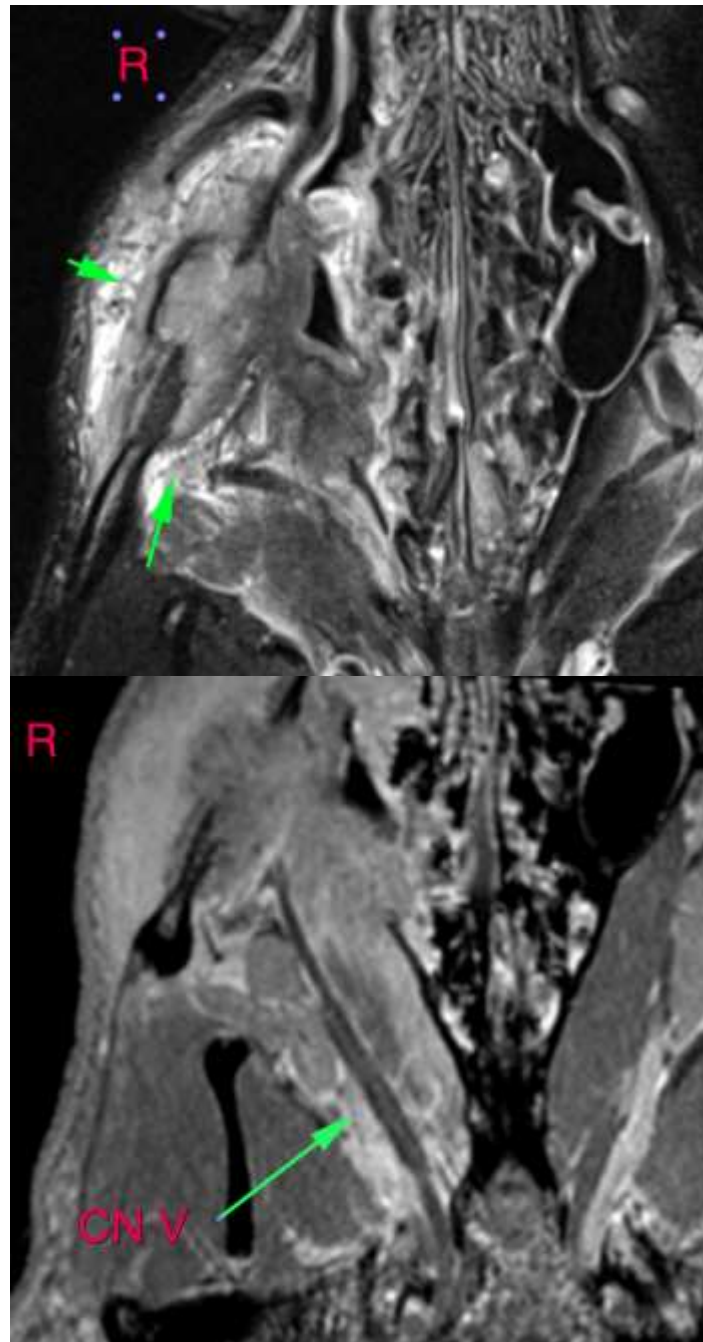
Dr. Edouard Marchal

INVOICE

47169

DATE

8-28-21





PATIENT

Finnigan Schnarr

SPECIES

Canine

BREED

Golden Retriever

SEX

MN

AGE

5

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet
Specialist in
Diagnostic Imaging

HOSPITAL NAME

Animal Health
Partners

REFERRING VET

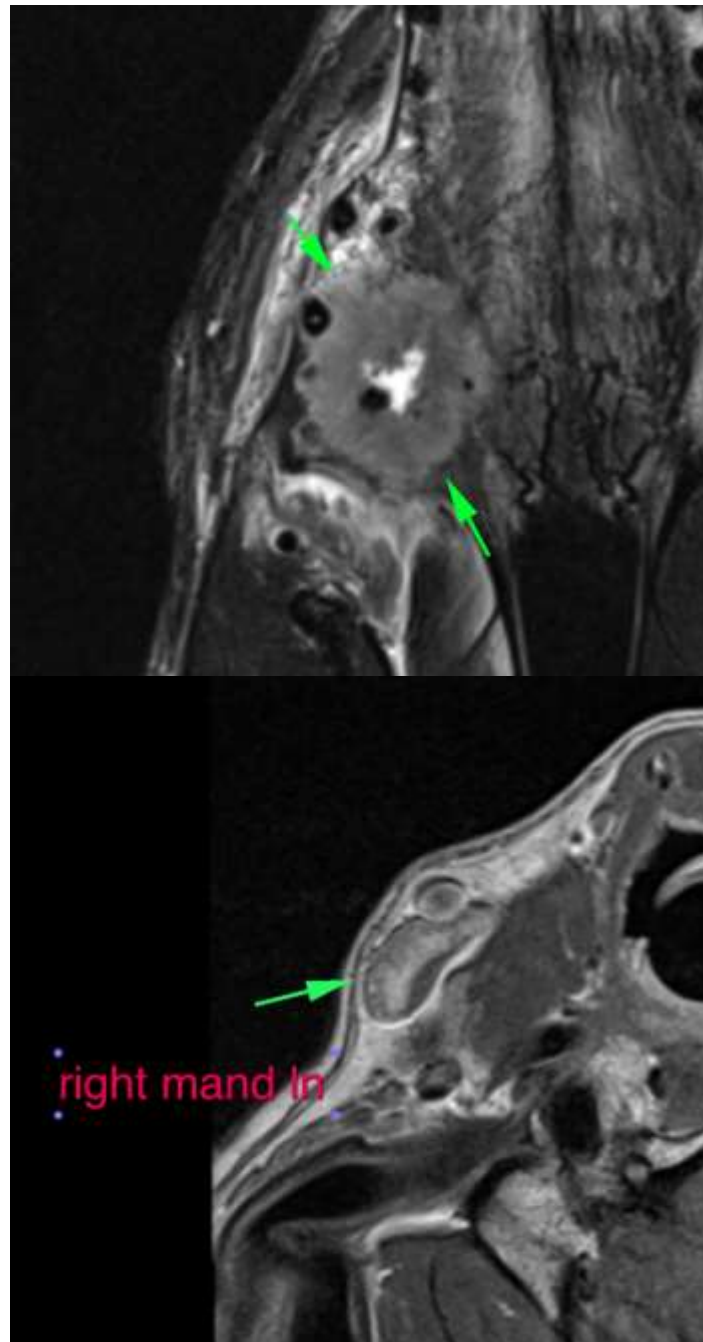
Dr. Edouard Marchal

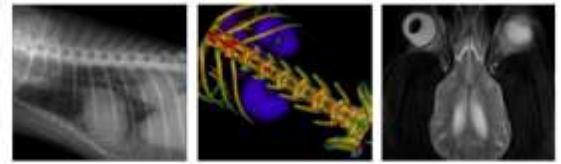
INVOICE

47169

DATE

8-28-21





PATIENT

Finnigan Schnarr

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

SPECIES

Canine

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.

BREED

Golden Retriever

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

SEX

MN

AGE

5

INTERPRETED BY

Sebastian Jawinski,
German Board
Certified Vet
Specialist in
Diagnostic Imaging

HOSPITAL NAME

Animal Health
Partners

REFERRING VET

Dr. Edouard Marchal

INVOICE

47169

DATE

8-28-21