



**PATIENT**

Finn Goodell

**PRESENTING CLINICAL SIGNS**

found as a stray at 14 weeks old, jaw has been fixed in place since adoption

**SPECIES**

Feline

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Plain studies available for review.

**BREED**

Domestic Shorthair

**COMPUTED TOMOGRAPHIC FINDINGS**

The coronoid processes of both mandibles are fused to the base of the zygomatic arch.

Decreased inclination angles of the temporomandibular joints are seen.

**SEX**

Male Neutered

The condylar processes of the mandibles appear to be short and flat. The mandibles are comparably shorter than the maxillae resulting in brachygnathia inferior with bilaterally symmetric maxillomandibular malocclusion.

**AGE**

6 Months

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Jaw lock secondary to bilaterally symmetric synostosis between the coronoid processes of the mandibles and the zygomatic arches.
- Maxillomandibular malocclusion with brachygnathia inferior.
- Suspect temporomandibular joint dysplasia.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings suggest temporomandibular joint dysplasia as potential underlying cause of the synostosis between the coronoid processes of the mandibles and base of the zygomatic arches, which is further supported by the foreshortening of the mandibles and brachygnathia inferior, which also causes early traumatic osteitis of the caudal maxillae secondary to impingement of the triadans 309 and 409 (see image below).

**HOSPITAL NAME**

Parrish Creek  
Veterinary Clinic

**REFERRING VET**

Carly Thaw, DVM

**INVOICE**

50245

**DATE**

2-10-22



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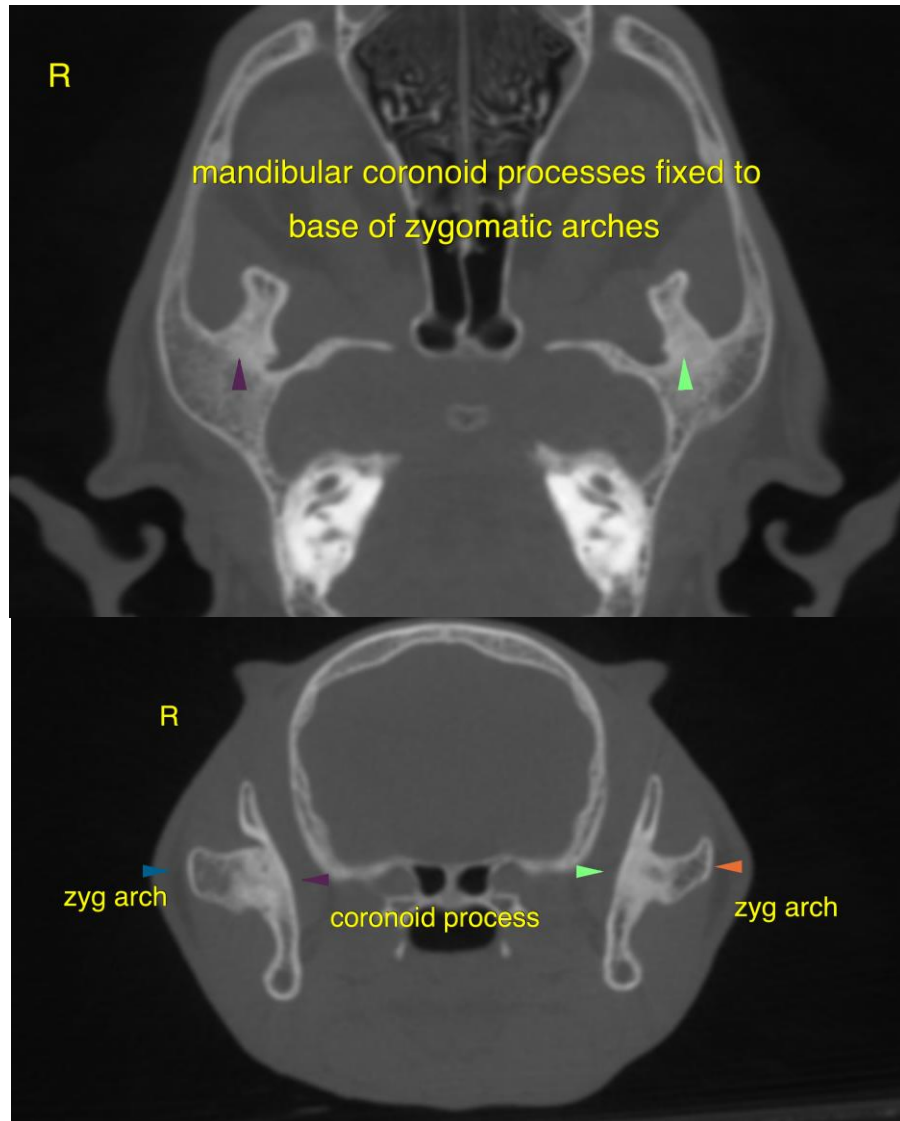
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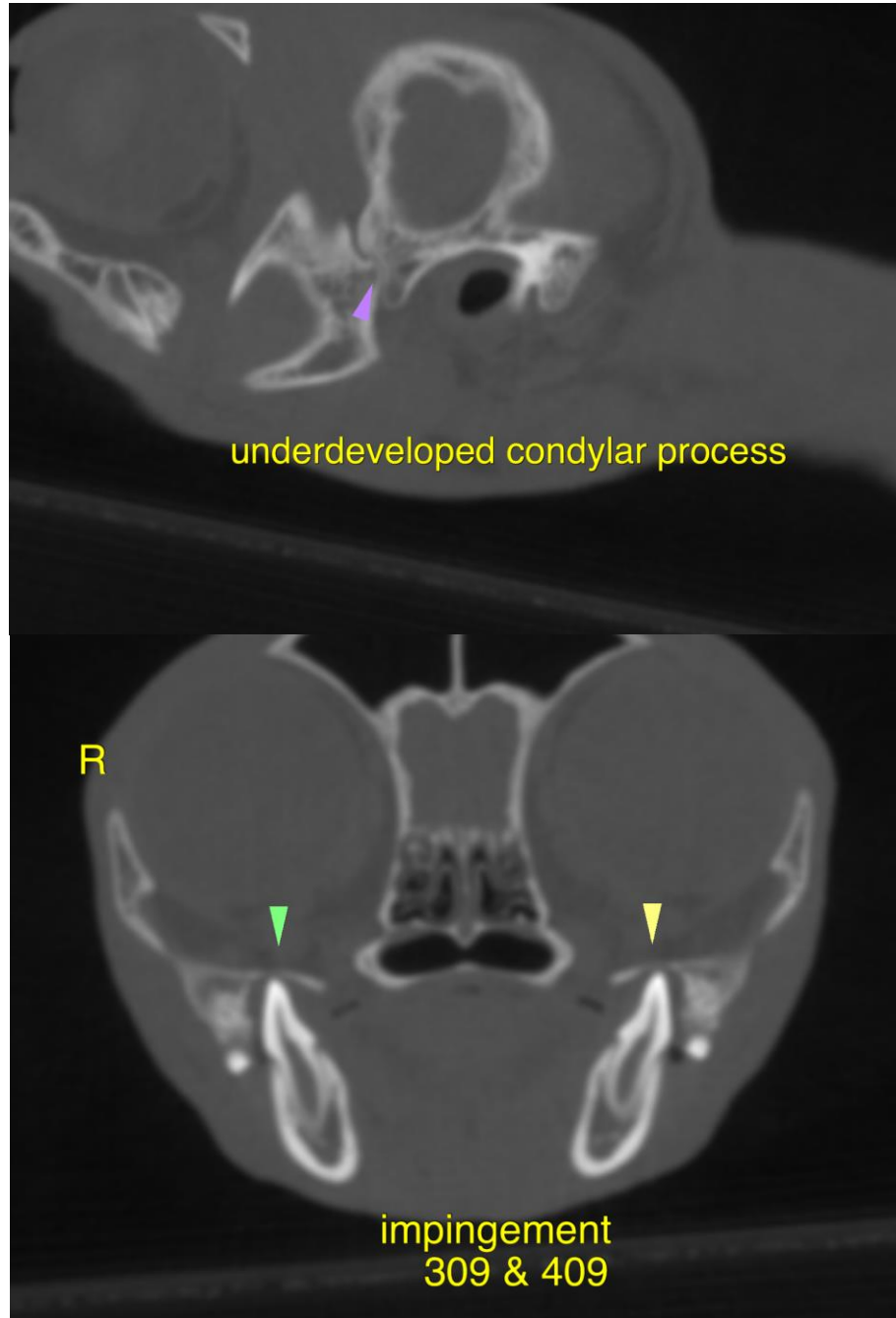
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**SPECIES**

Feline

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,  
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
Nele.Eley@sonopath.com

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