



**PATIENT**

River Oleson

**PRESENTING CLINICAL SIGNS**

picked up from breeder with known broken neck from litter mate -unable to look up or move neck normally -concern for atlantoaxial instability

**SPECIES**

Canine

**RADIOGRAPHIC STUDY OF THE NECK**

Radiographs of the neck in two imaging planes are provided for review.

**BREED**

Belgian Malinois

**RADIOGRAPHIC FINDINGS**

The lateral view of the cervical spine are moderately rotated.

The growth plates are age related open.

The dorsal arch of C1 appears irregular, but the external ear canals/pinnae are superimposed on C1.

**SEX**

F

The dorsal lamina of C2 is irregular and presents a heterogeneous density. An isolated mineralized body is seen at the left lateral aspect of C2 and a second isolated mineralized bods is seen dorsal to C2. The odontoid peg appears to be in situ.

**AGE**

13 Weeks

Dorsal to C3, a well-defined mineralized body is appreciated, measuring 8 mm in size.

The intervertebral disc space C2/C3 is v-shaped narrowed.

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

- Suspect fractured transverse and spinous process C2
- Possible fractured lamina C3
- Possible discopathy C2
- Age related open growth plates

**HOSPITAL NAME**

Gentle Doctor Animal Hospital

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The isolated mineralized bodies indicate avulsion of osseous fragments from C2 – suspect left transverse process & spinous process – as well as possible fracture of the lamina of C3 The v-shaped conformation of the intervertebral disc space C2/C3 can indicate accompanying discopathy. Evaluation of C1 is limited by the superimposition with the external parts of the ears. No atlantoaxial subluxation is appreciated. A CT study would be ideal to allow evaluation of the cervical spine and rule in/out pathology of C1 entirely.

**REFERRING VET**

Dr Sergio Valadez

**INVOICE**

52305

**DATE**

6-3-22



**PATIENT**

River Oleson

**SPECIES**

Canine

**BREED**

Belgian Malinois

**SEX**

F

**AGE**

13 Weeks

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

**HOSPITAL NAME**

Gentle Doctor Animal  
Hospital

**REFERRING VET**

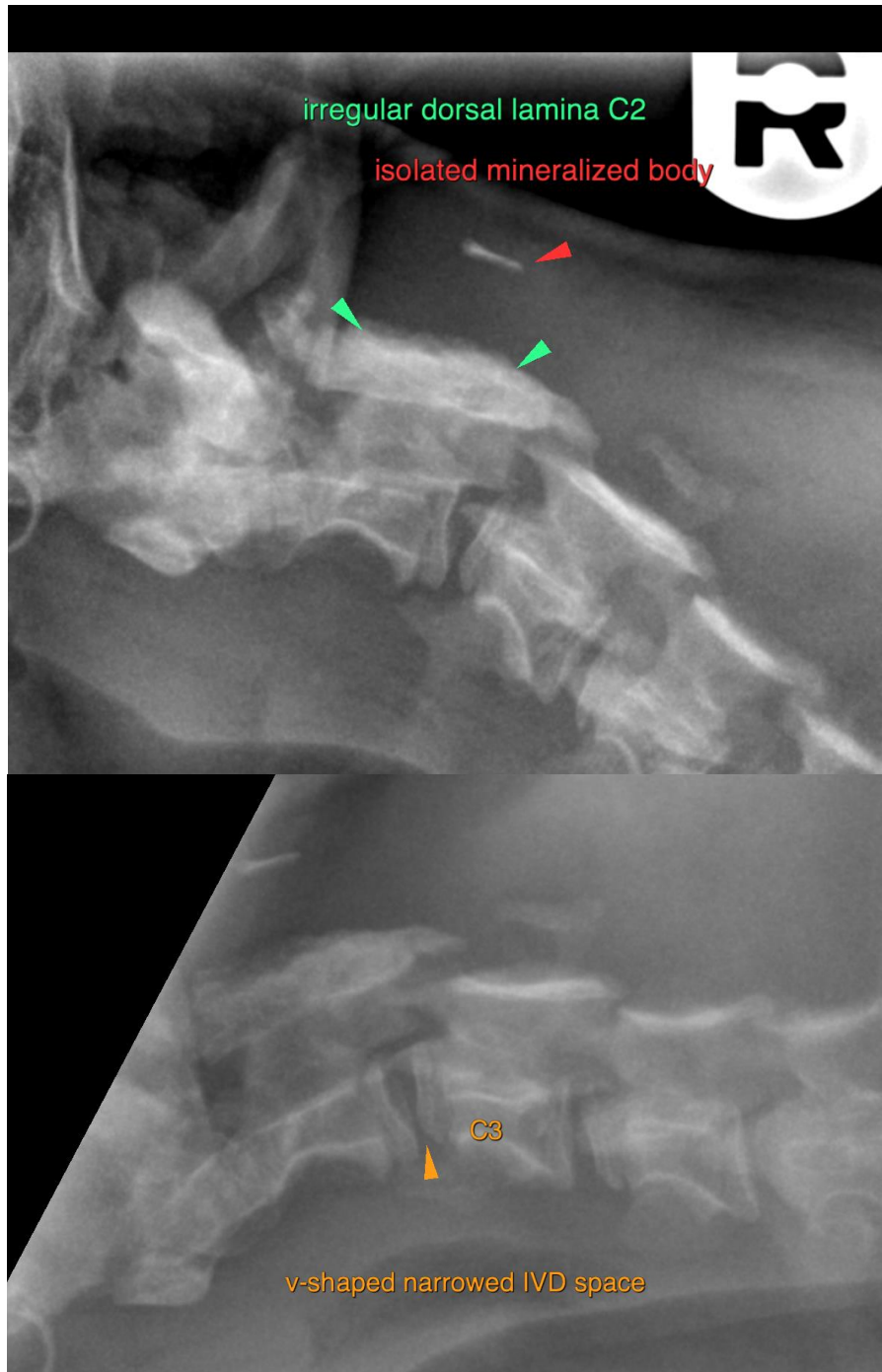
Dr Sergio Valadez

**INVOICE**

52305

**DATE**

6-3-22





**PATIENT**

River Oleson

**SPECIES**

Canine

**BREED**

Belgian Malinois

**SEX**

F

**AGE**

13 Weeks

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

**HOSPITAL NAME**

Gentle Doctor Animal  
Hospital

**REFERRING VET**

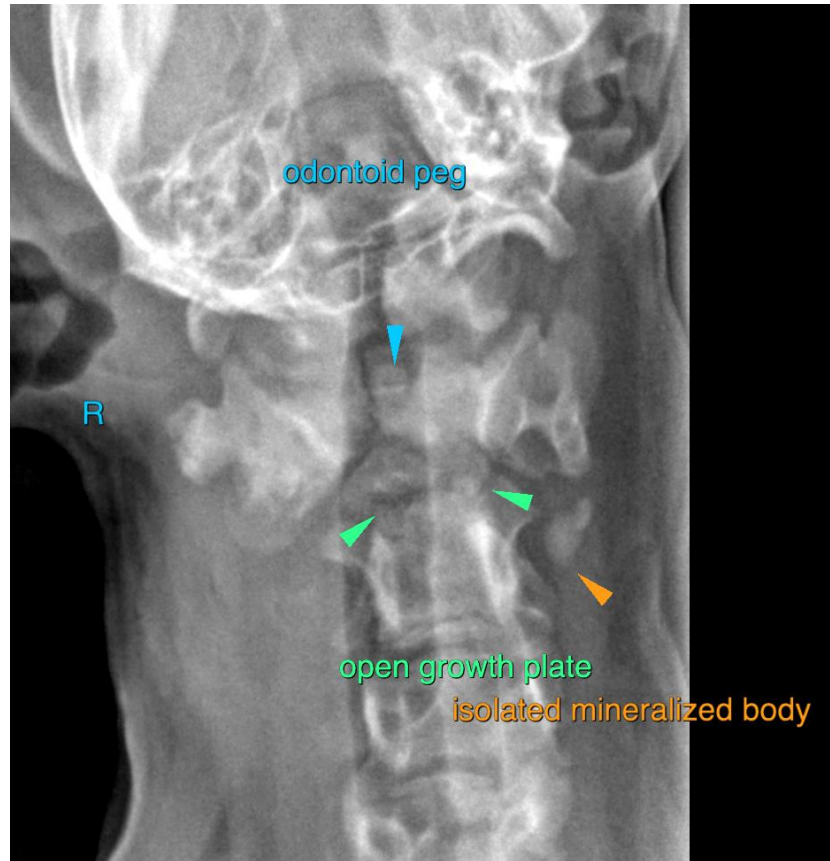
Dr Sergio Valadez

**INVOICE**

52305

**DATE**

6-3-22





**PATIENT**

River Oleson

**SPECIES**

Canine

**BREED**

Belgian Malinois

**SEX**

F

**AGE**

13 Weeks

**INTERPRETED BY**

Sebastian Schaub, DVM  
Dr. med. vet. DipECVDI

**HOSPITAL NAME**

Gentle Doctor Animal  
Hospital

**REFERRING VET**

Dr Sergio Valadez

**INVOICE**

52305

**DATE**

6-3-22

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 Schaub**, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI  
sebast.schaub@gmail.com