



PATIENT PRESENTING CLINICAL SIGNS

Cash Worden 2 week history of progressive weight bearing right forelimb lameness. No response to rimadyl. Difficult to elicit pain on orthopedic exam. Concern for possible hypertrophic osteodystrophy of both carpal joints + possible OCD lesions of both shoulders.

SPECIES RADIOGRAPHIC STUDY OF THE FRONT LIMBS

Canine Mediolateral and cranio-caudal views of both carpi and elbows, and mediolateral views of both shoulders totaling 9 images available for review.

BREED RADIOGRAPHIC FINDINGS

Great Dane **Carpi**

SEX Growth plate closure is congruent with the patient demographics.

M The metaphyseal cut back zones are prominent in the distal ulna in both front limbs which is a normal growth related presentation in juvenile patients. However, marked heterogeneity with ill defined lucent zones is seen in the distal metaphysis within the ulna and radius in both front limbs. The lucent changes are accentuated in the core of the metaphysis. No double line is seen paralleling the growth plate and there is no evidence of peripheral soft tissue swelling.

AGE 6 Months **Elbows**

INTERPRETED BY The medial coronoid processes are well delineated and of uniform opacity in both elbows. The joint spaces are congruent. No evidence of subchondral bone defects or periarticular osteophytes is seen.

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Shoulders

HOSPITAL NAME Large and deep concave defects are seen within the caudal contour of the humeral head in both shoulders. The subchondral bone defects are surrounded by extensive peripheral sclerosis. Early periarticular bone remodeling is seen.

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Hospital

Generalized reduced opacity of the medullary cavities is noted accentuating the distal limbs.

REFERRING VET RADIOGRAPHIC DIAGNOSIS

- Dr. Sarah Rotthaus
- Bilateral shoulder osteochondritis.
 - Active metaphyseal hypertrophic and cut back zones during skeletal maturation versus retained cartilage core/osteochondrodysplasia.
 - Osteopenia likely related to disuse.

INVOICE INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

51198

DATE The main finding appears to be the presence of OC defects within the humeral head in both shoulders. The shoulder osteochondritis is considered the most likely underlying cause of the patient's clinical signs from a radiographic perspective. The radiographic presentation of the metaphyseal growth zones is considered within normal limits and can be extensively heterogeneous especially in large fast growing dogs. However, mild osteochondrodysplasia /

3-28-22



PATIENT

retained cartilage core cannot be ruled out entirely. The radiographic changes are not typical for hypertrophic osteodystrophy at this point.

Cash Worden

SPECIES

Canine

BREED

Great Dane

SEX

M

AGE

6 Months

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REFERRING VET

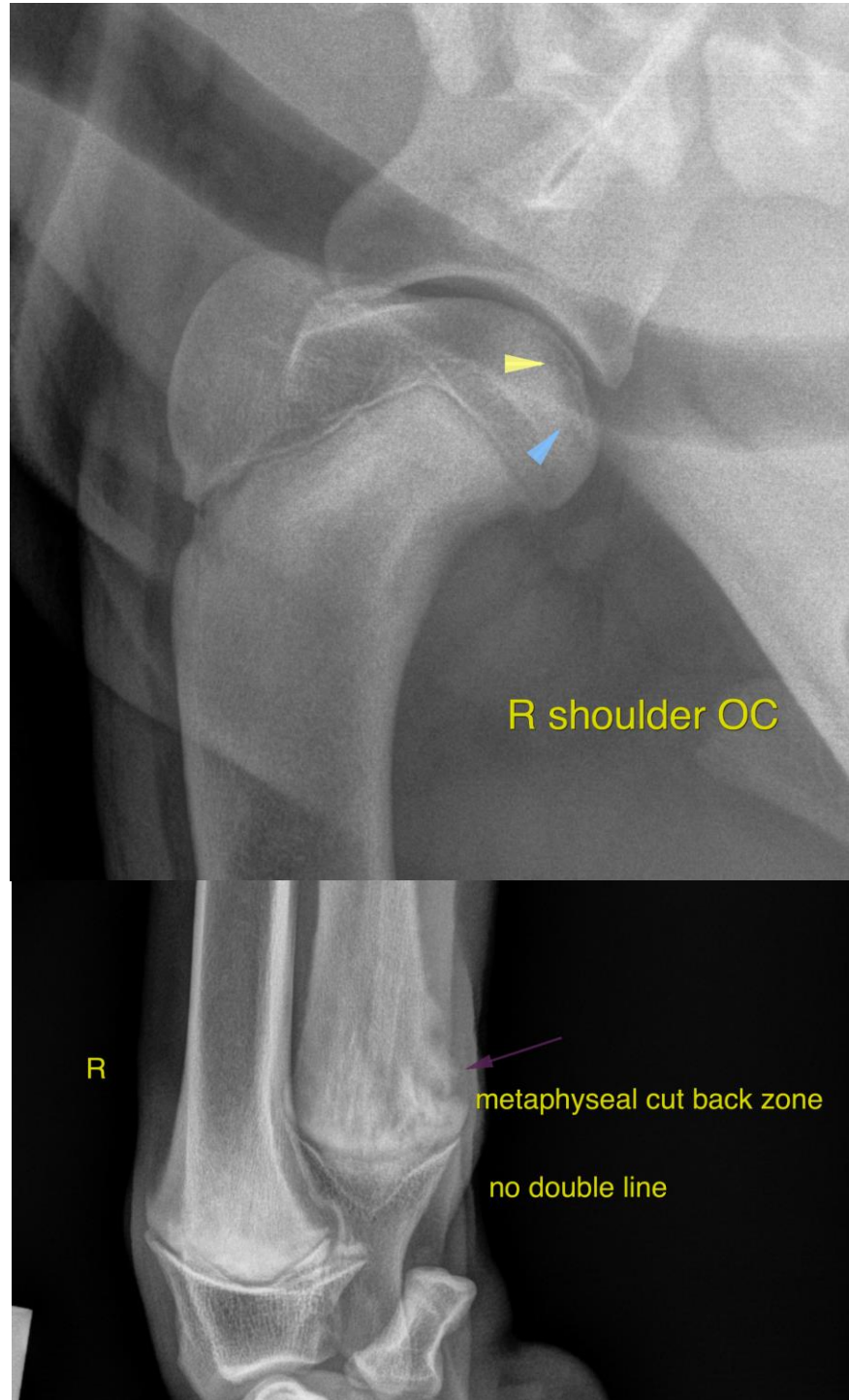
Dr. Sarah Rotthaus

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Cash Worden

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.

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

Great Dane

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