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Clinical support in your pocket

IT'S YOUR CASE

Species: Canine

Breed: French Bulldog

Sex: Male Neutered Age: 1

Clinical History: Hit by a car.

Details of study and technical comments: Serial images of the RH limb centred on the femur.

Diagnostic interpretation:

On the initial images in the mid diaphysis of the femur there is a comminuted fracture with a large butterfly fragment (green arrows). The fracture has caudal lateral displacement. The soft tissues of the thigh are thick. Limited assessment of the hip and stifle is within normal limits. A radiolucent feature in the proximal tibia is consistent with a retained cartilage core and is considered an incidental finding.



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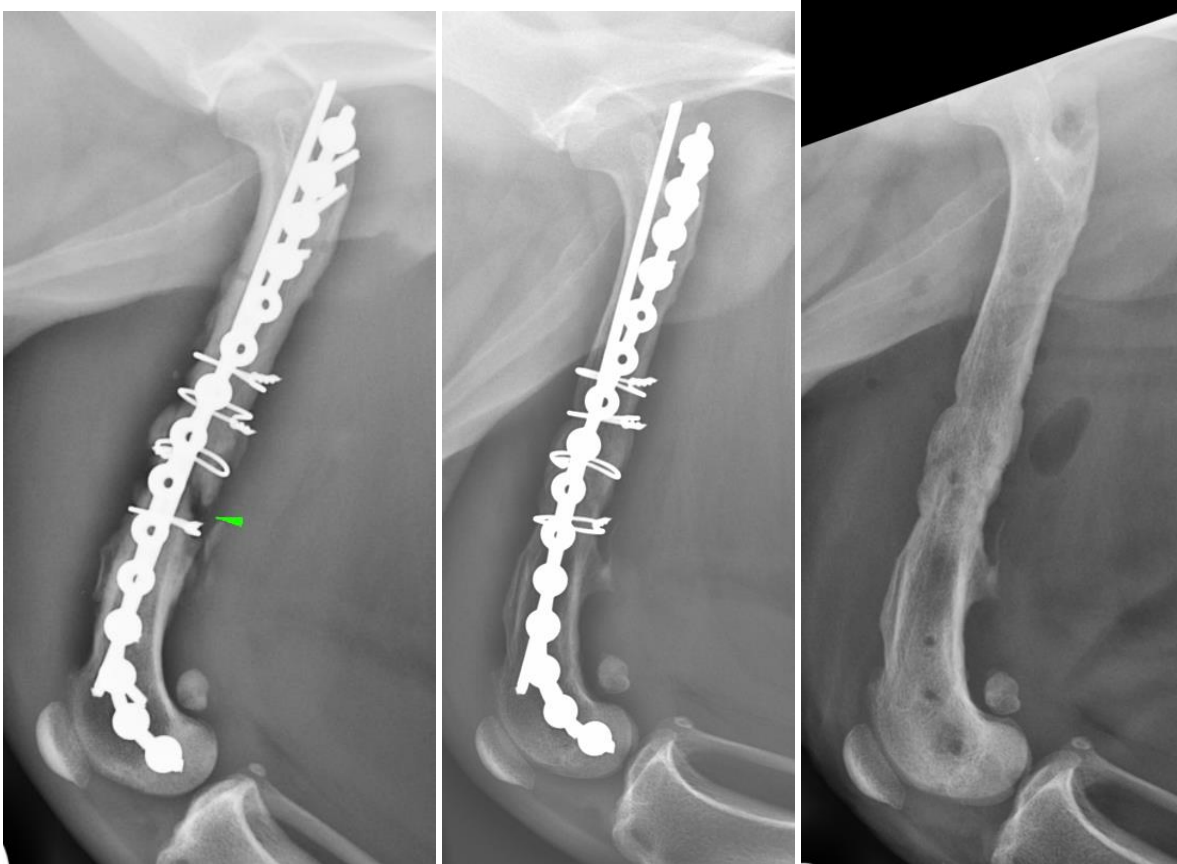
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This report is based on the available history and radiographic interpretation only and not on a physical examination of the patient. It has been prepared specifically for interpretation by the currently licensed and registered veterinary surgeon responsible for the care of this patient.

On the initial follow-up study four weeks after internal fixation there is good alignment of the fracture fragments and limb. A laterally applied bone plate, multiple screws, and intramedullary pin, and for cerclage wires are present. There is smooth bridging partially mineralized callous at the fracture margins. Best seen on the lateral view, some of the fracture margins remain radiolucent and mildly wide but with smooth surface contour (green arrows).

On the subsequent follow-up four months after internal fixation there is excellent progression of callous mineralization at the fracture site with additional periosteal reaction spanning the femur especially distally, this periosteal reaction is smoothly margined. There is good alignment of the fracture fragments and the limb. Some radiolucent features are noted adjacent to the implants especially proximally.

Following removal of the orthopedic implants, callous formation is noted along all fracture margins and there is evidence of cortical continuity and progression of medullarization. Multiple tracks are noted at the site of the implants and intramedullary pin. Some smooth periosteal reaction likely due to soft tissue trauma is evident and considered incidental. There is gas related to the recent implant removal.



Conclusions:

1. Acute traumatic comminuted fracture of right hind femur with butterfly fragment
2. Internal fixation with adequate progression of healing over time
3. Implant removal with good evidence of fracture healing
4. Incidental retained cartilage core in proximal tibia



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