



Diagnostic Exercise

From the CL Davis/SW Thompson Foundation

Case # **225**; Month: **November**; Year: **2023**

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Clinical history: A three-year-old Thoroughbred gelding racehorse completed 12 races in 13 months at high-level competition. The horse had a catastrophic injury on the left front leg during high-speed five-furlong workout on a dirt racetrack in California. It was the second official timed high-speed workout withing 27 days of his last race. The horse pulled up during workout, could not bear weight on the left forelimb, had the shoulder region swollen and elicited pain in the shoulder joint upon extension and adduction.

Necropsy findings: The main findings are shown in Figures 1-3.



Figure 1.

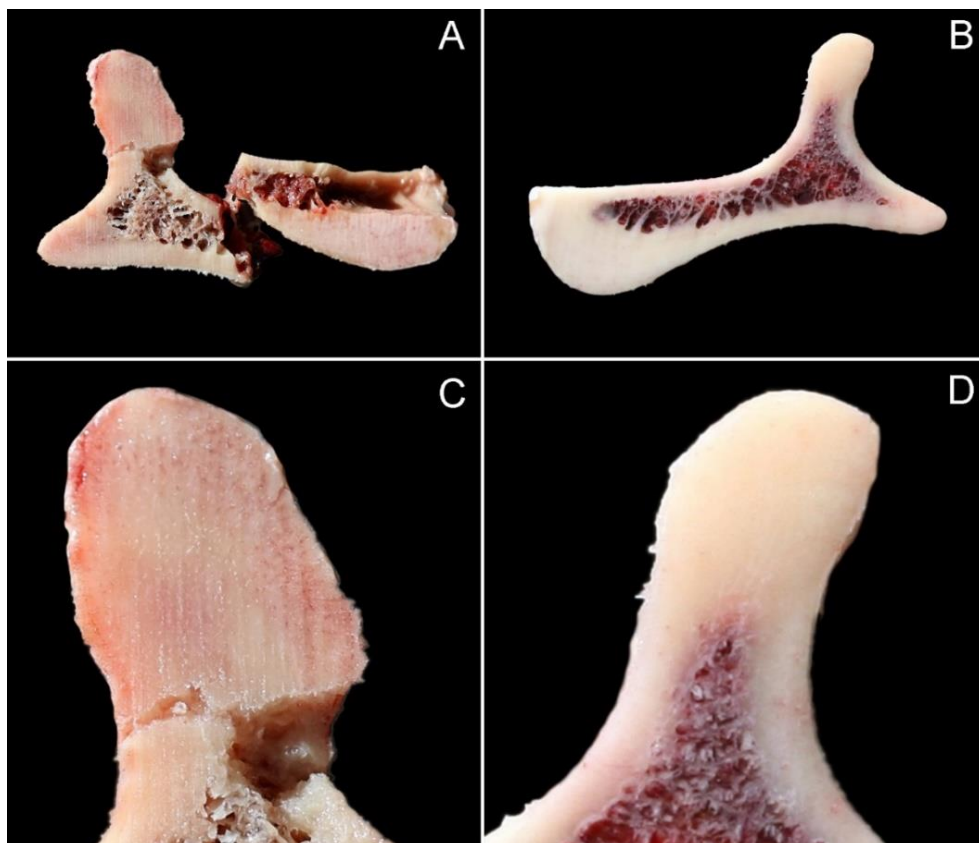


Figure 2

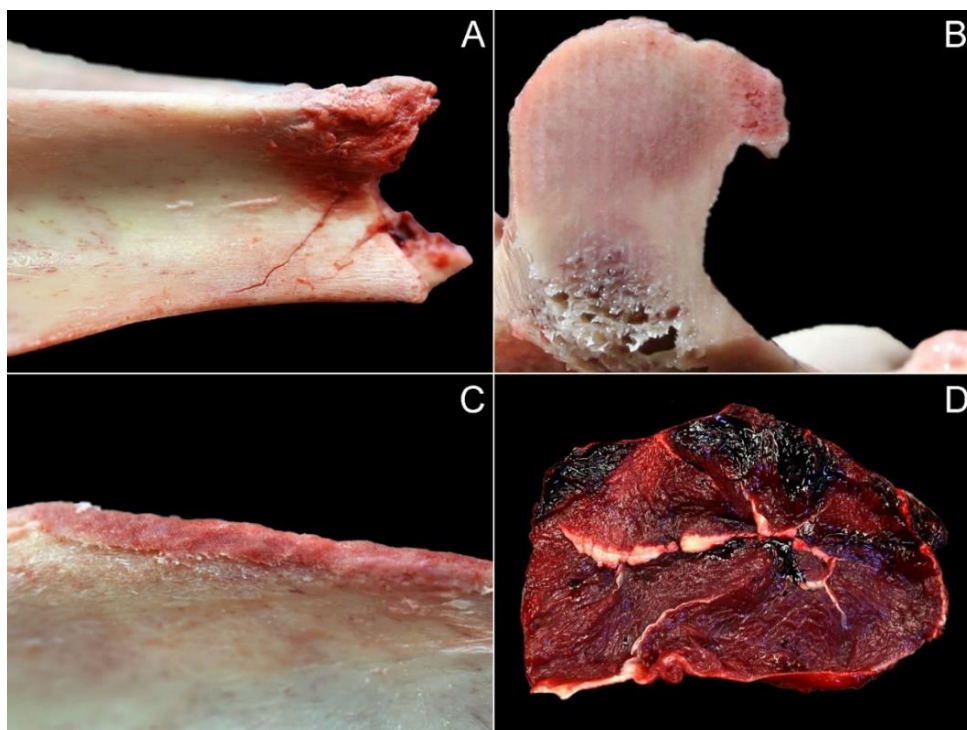


Figure 3.

Follow-up questions:

- *Fracture classification and description*
- *Morphologic diagnoses*
- *Etiology and pathogenesis*
- *Predisposing factors*

*The Diagnostic Exercises are an initiative of the Latin Comparative Pathology Group (LCPG), the Latin American subdivision of The Davis-Thompson Foundation (DTF). These exercises are contributed by members and non-members from any country of residence. Consider submitting an exercise! A final document containing this material with answers and a brief discussion will be posted on the DTF website (<https://davisthompsonfoundation.org/diagnostic-exercise/>).

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