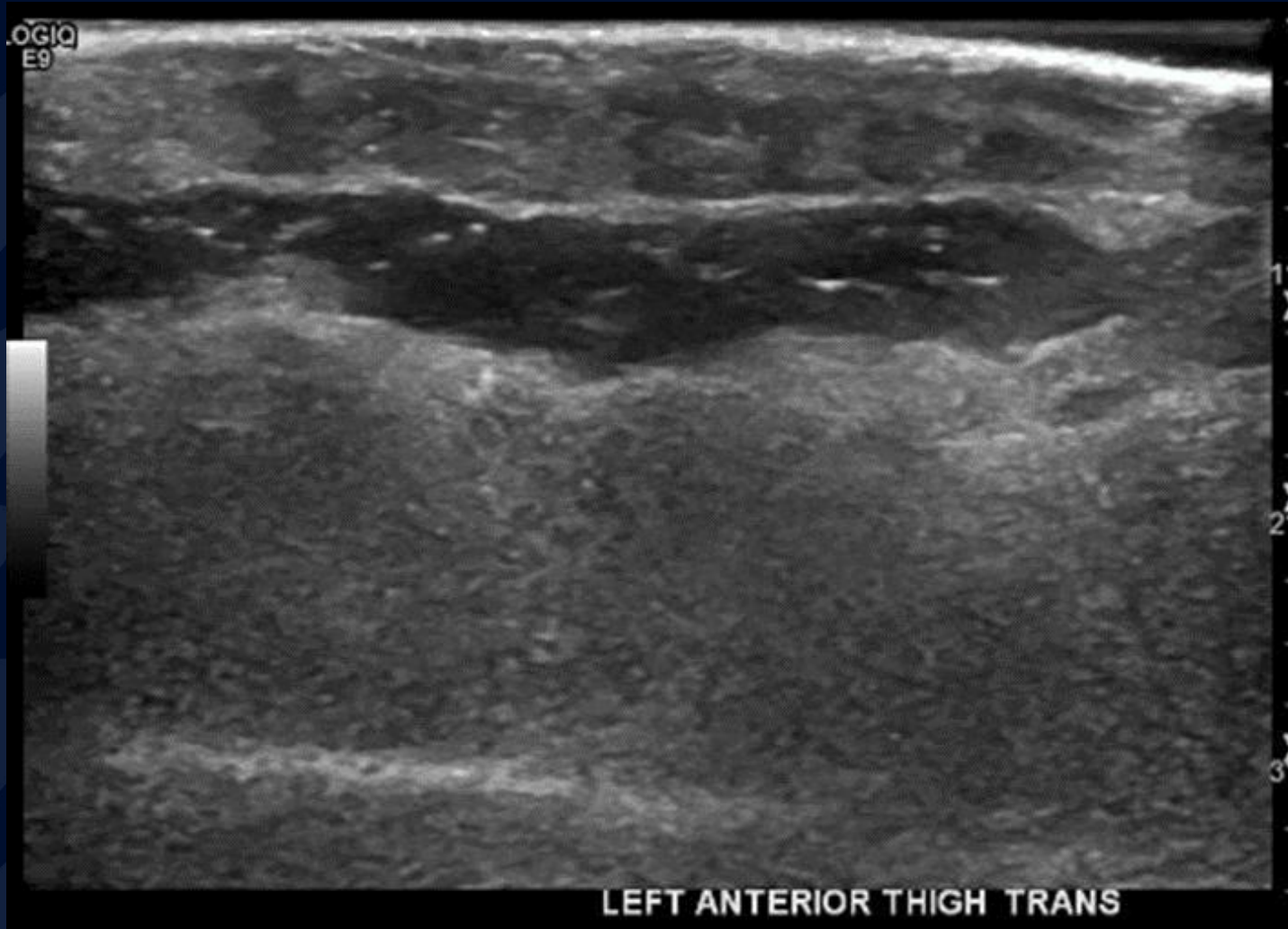


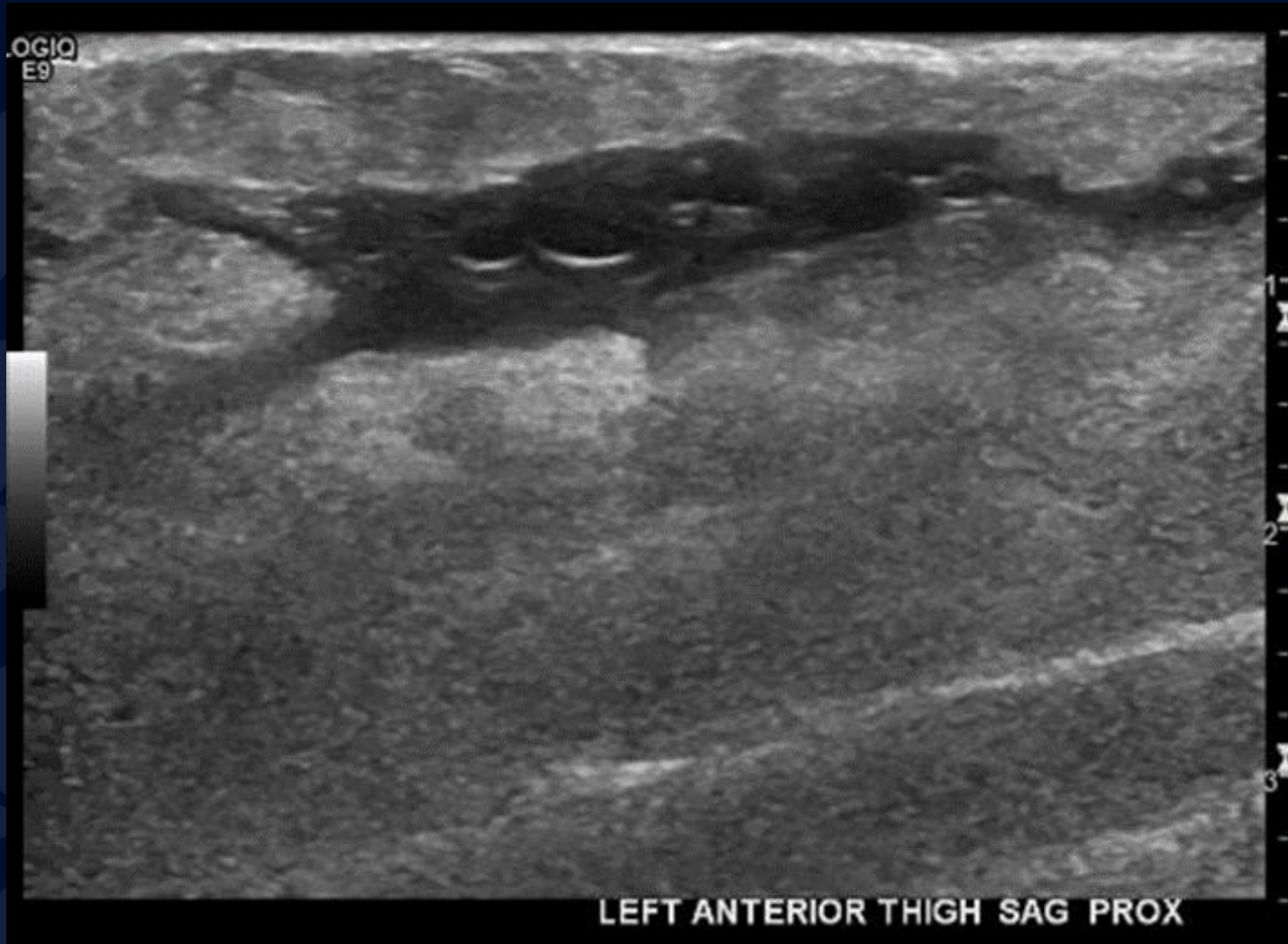
27 y/o Female presented to ED after MVA

Aloys Nsereko, MS3
Edward Gillis, DO
Brad Kincaid, MD

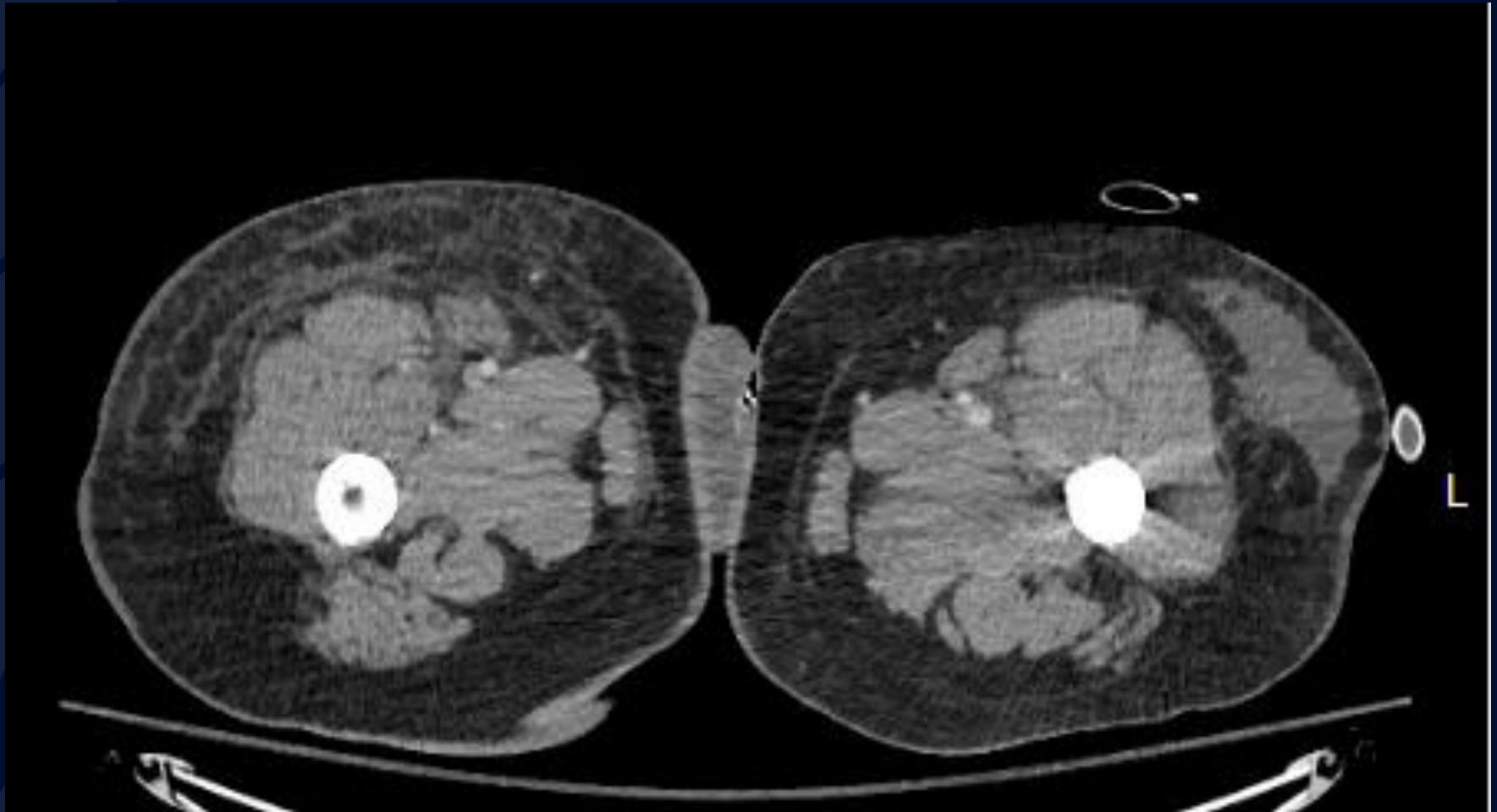
Ultrasound Left Lower Extremity



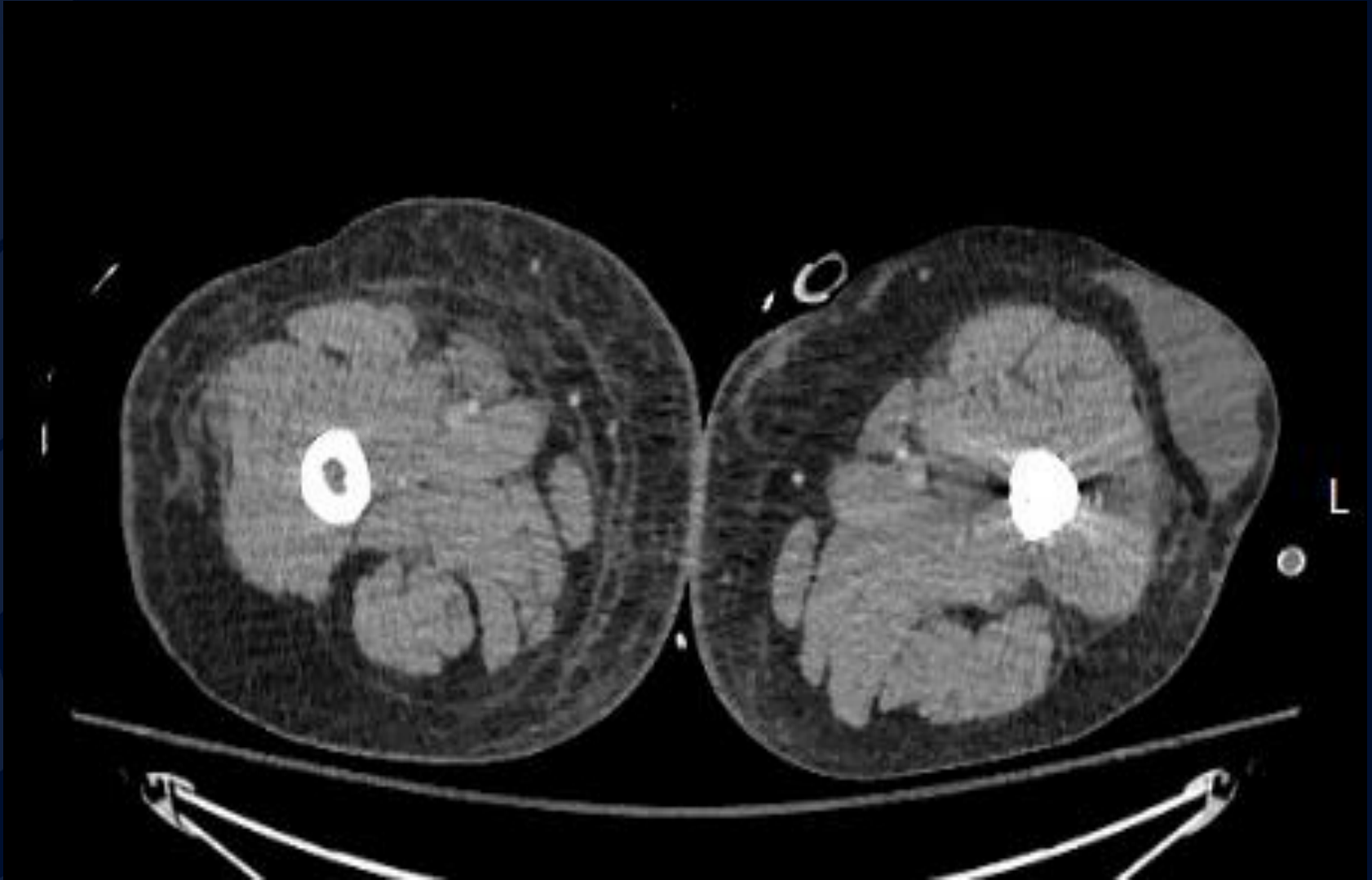
Ultrasound Left Lower Extremity



CT Bilateral Lower Extremity



CT Bilateral Lower Extremity

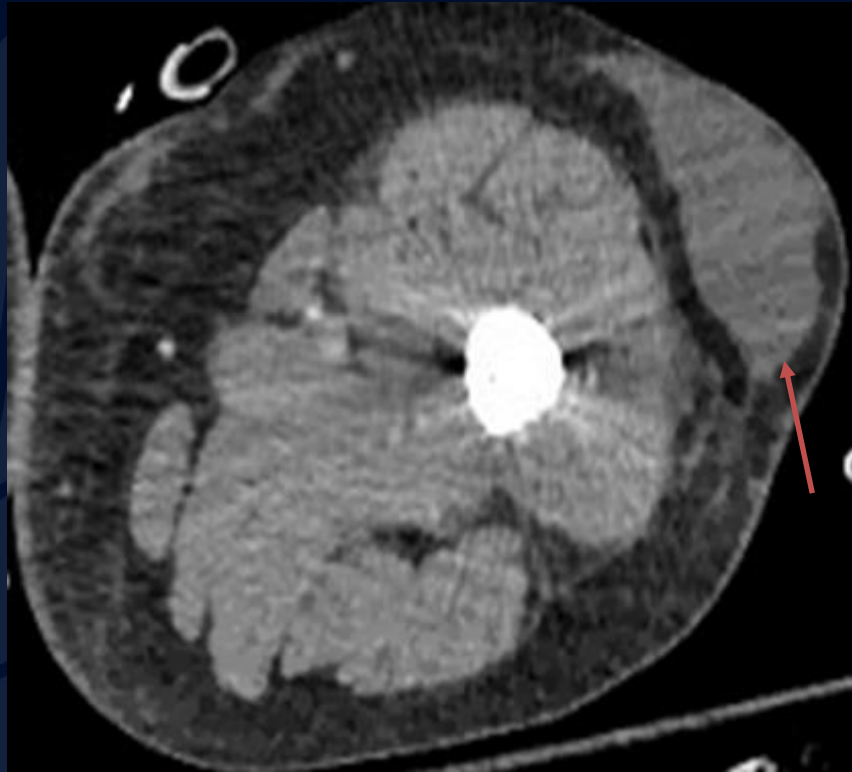


A large, stylized oak leaf graphic in a dark blue color, positioned on the left side of the slide. It features detailed vein patterns and a lobed edge.

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A large, stylized oak leaf graphic in a dark blue color, positioned on the left side of the slide, partially overlapping the main text.

Left Thigh Morel-Lavallee lesion



NECT of the left lower extremity cropped down, showing a subcutaneous serosanguinous fluid collection

Morel-Lavallee lesion

- This is a closed de-gloving soft tissue injury, as a result of abrupt separation of skin and subcutaneous tissue from underlying fascia
- Shear Injury disrupts perforating vessels and lymphatic ducts creating potential space filled with serosanguinous fluid, blood, and necrotic fat
- Magnetic Resonance Imaging (MRI) is the modality of choice for the evaluation
- Early diagnosis and management is essential as any delay or missed lesion will lead to the effusion becoming infected or extensive skin necrosis

Treatment

- Evacuation of the fluid and removal of the necrotic material is the mainstay of treatment
- Conservative Tx with compression can be utilized for small acute lesions without definite capsule.
 - Presence of capsule renders conservative tx unsuccessful
- Percutaneous drainage and sclerodesis using talc and doxycycline have been reported to be effective.

References

1. Nair AV, Nazar P, Sekhar R, Ramachandran P, Moorthy S. Morel-Lavallée lesion: A closed degloving injury that requires real attention. *Indian J Radiol Imaging*. 2014;24(3):288-90.
2. Bonilla-Yoon I, Masih S, Patel DB, et al. The Morel-Lavallée lesion: Pathophysiology, clinical presentation, imaging features, and treatment options. *Emerg Radiol* 2014;21(1):35–43
3. Nsereko, A., Gillis E., Kincaid, B. Morel-Lavallee Lesion. *Radiology Online*. 2019. University of Connecticut.