The Outcome of Percutaneous Drainage And Regular Lavage in Extensive Iliopsoas Abscess: A Case Report.

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INTRODUCTION:

Iliopsoas abscess (IPA) is a suppurative collection within the psoas and iliacus muscle compartments. The decision to perform percutaneous drainage or surgical drainage depends on the complexity of the abscess[1]. We present a case of extensive IPA that was successfully treated with percutaneous drainage and regular bedside lavage through the catheter.

REPORT:

A 50-year-old lady with underlying diabetes mellitus type II presented with two weeks of swelling and pain in her left lower back associated with on-and-off fever. There was 10x10 swelling at the left lower back which is tender and fluctuant. Septic parameters were raised.

Contrast-enhanced CT (CECT) abdomen revealed heterogeneously enhanced collection seen from the left psoas muscle to left erector spinae muscle, measuring 10.2x15.5x18.0cm, with multiple septations, and extending to the left kidney (Figure 1).

The percutaneous drainage of the abscess under ultrasonography was performed. The 10F pigtail catheter and 200ml of thick pus were aspirated. Bedside lavage was performed through the pigtail catheter under aseptic technique twice daily. 10mls of water were syringed in and out before we continued aspiration and measured the amount of the pus drained. Five liters of pus were drained throughout 14 days.

The patient underwent repeated CECT abdomen and revealed a resolved abscess with muscles edema (Figure 2). A total of four weeks of Cefuroxime were administered based on sensitivity to *Pseudomonas aeruginosa.* At the three-month follow-up, the patient was asymptomatic, and repeated ultrasonography abdomen reported no recollection of pus.

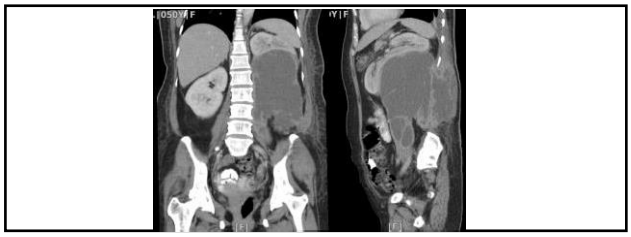

Figure 1: CECT abdomen before percutaneous drainage.

Figure 2: CECT abdomen at 14 days post drainage.

CONCLUSION:

Percutaneous drainage and regular bedside lavage treatment in extensive IPA is one of the best options in clinically stable or unstable patients.

REFERENCES:

1. Jiang, K., Zhang, W., Fu, G., Cui, G., Li, X., Ren, S., Fu, T., & Geng, L. (2022). Ultrasound-Guided Percutaneous Drainage of Iliopsoas Abscess With Septicemia in an Adolescent: A Case Report and Literature Review. *Frontiers in Surgery*, *9*. https://doi.org/10.3389/fsurg.2022.871292