

## The value of $^{99m}\text{Tc}$ -DTPA renal scintigraphy in the evaluation of post-traumatic abdominal fluid collection

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A patient with a post-traumatic retroperitoneal urinoma is presented. On admission, there was a clinical suspicion of retroperitoneal hematoma and ultrasonography (US) was performed which showed a hypoechoic fluid collection suggesting retroperitoneal hematoma. In order to determine the nature of the fluid, radionuclide angiography and renal scan were performed successively with  $^{99m}\text{Tc}$ -DTPA. Demonstration of urinary leakage into the mass in the delayed renal scintigraphic images suggested a urinoma. At laparotomy, total transection of the left ureter in the uretero-pelvic region was found and the diagnosis of urinoma was confirmed.

**Key words:** post-traumatic abdominal fluid collections,  $^{99m}\text{Tc}$ -DTPA renal scintigraphy, ultrasonography