



Biopsy of Retroperitoneal Renal Carcinoma Using eTRAX™ Needle Tip Tracking

BACKGROUND

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Case:
Tumor Biopsy of Retroperitoneum

Featured Product:
eTRAX Needle Tip Tracking System

CONSIDERATION FOR USE

The patient underwent a sensitive biopsy in a portion of the retroperitoneum. Electromagnetic needle tip tracking allowed continuous visualization of the needle pathway for safe and easy insertion into the kidney.

REQUIRED EQUIPMENT FOR EXAMINATION

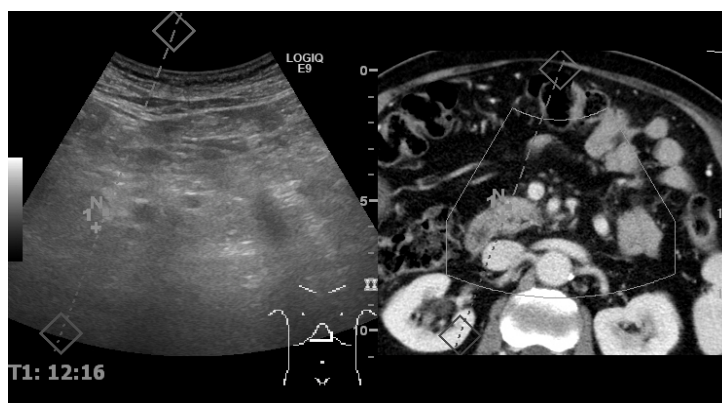
- GE Healthcare LOGIQ E9 with Volume Navigation
- CIVCO eTRAX Needle Tip Tracking System

APPROACH TO EXAMINATION

Using the eTRAX Needle Tip Tracking system provided the exact location of the needle relative to the image plane as seen simultaneously in both the live 2D ultrasound and CT dataset below. Both images demonstrate the excellent visibility and observation of the needle tip even with slight advancement. Visibility of the needle tip is maintained despite overlying bowel gas. The “cross-hair” represents the needle tip as it passes directly under the scan plane.



Electromagnetic needle tip tracking allows continuous visualization of the needle tip throughout the procedure.



The on-screen guidelines reveal the direction of needle travel, with “N” representing the needle tip. Continuous visualization of the needle tip is made possible by eTRAX Needle Tip Tracking.

