



Needle Guide Aids in Biopsy Planning and Targeting of Difficult-to-Access Hepatic Lobe

BACKGROUND

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Case:
Liver Biopsy

Featured Product:
Ultra-Pro II Needle Guide

CONSIDERATION FOR USE

A 48 year-old-female with a history of treated ovarian cancer was also diagnosed with a liver lesion. A biopsy was ordered to determine if the lesion was a metastasis from ovarian cancer versus from another primary. The lesion was located along the inferior margin of the right hepatic lobe without a significant normal parenchymal margin.

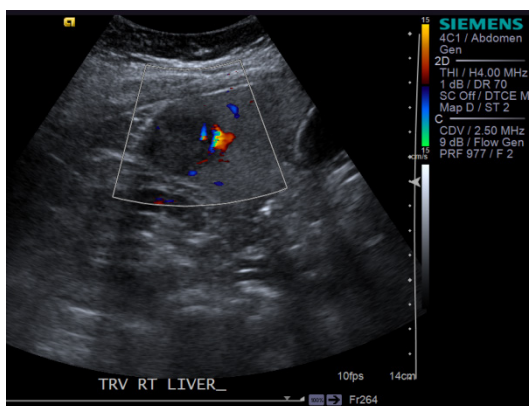
REQUIRED EQUIPMENT FOR EXAMINATION

- Siemens ACUSON S2000™ ultrasound system
- CIVCO Ultra-Pro II Needle Guide

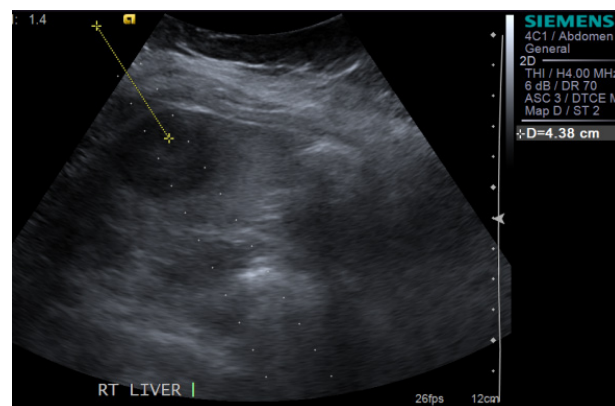
APPROACH TO EXAMINATION

The multi-angled needle guide system (Ultra-Pro II, CIVCO Medical Solutions) was utilized to plan a biopsy trajectory that included overlying normal parenchyma and also avoided prominent vessels. The multi-angle approach allowed successful biopsy of the lesion.

Diagnosis: Recurrent papillary serious ovarian CA.



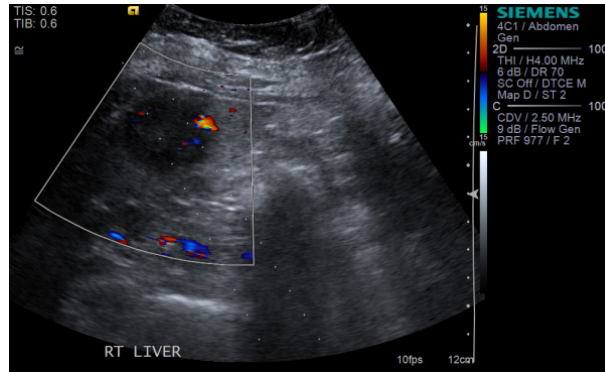
During pre-planning, ultrasound highlighted a lesion in the right hepatic lobe.



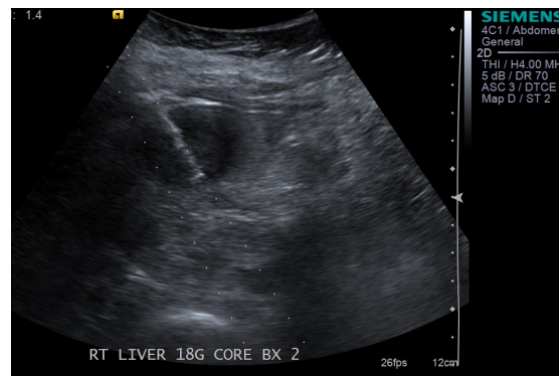
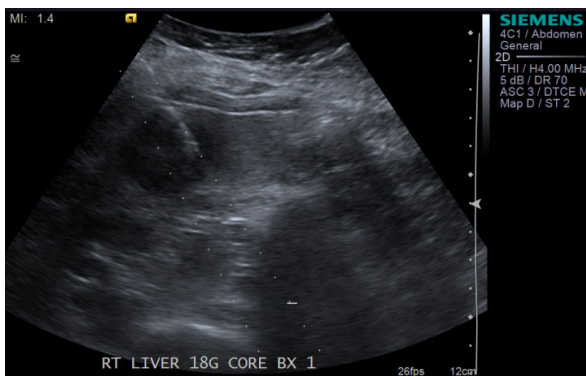
Utilizing the needle guidance software during pre-planning, measures a needle length of 4.38cm to the target.



APPROACH TO EXAMINATION



A right hepatic lobe lesion is targeted utilizing color Doppler to identify dominant vascularity.



The needle guide was successfully used to perform two core biopsy passes targeting different areas within the lesion.