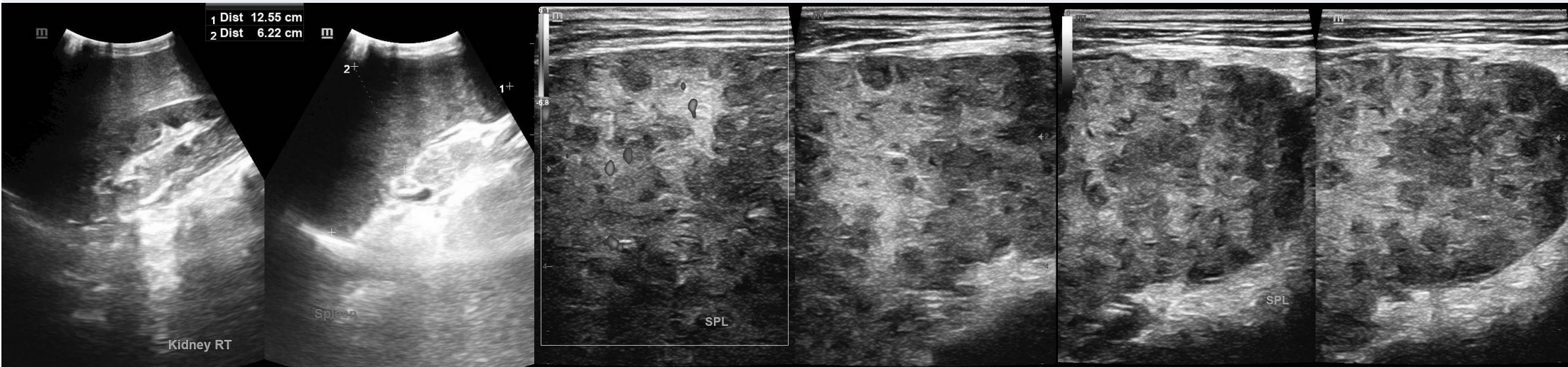


Hematology: Case 4

Prompt

The patient is a 30-year-old female with abdominal pains with six months amenorrhea, on implanon. Please generate a radiology report from these ultrasound images.



GPT-4V

Findings:

Right Kidney:

Size: Approximately 12.55 cm in length.

Parenchyma: Homogeneous echotexture. No evidence of hydronephrosis or focal lesions.

Comment: The visualized right kidney appears unremarkable in the provided images.

Spleen:

Size: Approximately 6.22 cm.

Parenchyma: Homogeneous echotexture with no evident focal lesions in the provided views. There are some hypoechoic areas visible which may represent normal vascular structures, but a complete evaluation is necessary to determine their significance.

Additional Observations:

There appear to be some other hypoechoic areas in the second set of images. Without further clinical context and complete visualization, their significance cannot be determined.

Impression:

The visualized portions of the right kidney appear unremarkable.

The visualized portion of the spleen appears within normal limits but with some hypoechoic areas which may represent vascular structures or other normal variants. Further evaluation may be required.

Reference answer

Diffuse multiple hypoechoic wedge-shaped defects are littered within the entire splenic parenchymal surface that minimally geographically spares island areas of normal splenic parenchyma. There is resultant mild splenic enlargement (current splenic index = 78.1 cm²). Color Doppler imaging reveals insignificant vascularity within the lesions. The rest of the abdominal-pelvic structures grossly looked normal.