

# THYROID ULTRASOUND

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## Recommended Transducer(s):

GE 700: M12L Linear, LA 39 Linear, 546L Linear.

Acuson Sequoia: 12 Linear, 5 Linear (large necks)

GE Logiq 9: M12 Linear

## Position:

Supine with a pillow under the shoulders to hyperextend the neck. It may be necessary to turn the patient's head slightly to the opposite side.

## Images:

Transverse	Rt./Lt. upper pole. Rt./Lt. mid (w/AP and transverse measurements). Rt./Lt. lower pole.
Sagittal	Rt./Lt. mid (w/long axis measurement). Often the thyroid is longer than the probe width. Use compound-segmental measurement or "Panoramic view" for accurate measurement. Rt./Lt. lateral. Rt./Lt. medial.
Transverse	Isthmus with AP measurement.

The vascularity of the thyroid in general should be accessed with color Doppler.

The location, size, number, and character of any abnormalities should be documented. The vascularity of masses should be evaluated with color Doppler and compared to the normal thyroid parenchyma.

If an enlarged thyroid is present, the position of the trachea should be determined. Take a transverse image of the neck with the center of the transducer placed on the midline.

Extra-thyroid abnormalities, such as lymphadenopathy, thrombosed veins etc., should be documented.