Thyroid Gland and Neck Anatomy

Anterior View

- Thyrohyoid muscle
- Thyroid cartilage
- Thryohyoid membrane
- Sternothyroid muscle
- Cricothyroid muscle
- Thyroid left lobe
- Thyroid right lobe
- Isthmus
- Esophagus
- Trachea

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Thyroid Gland and Neck: Transverse View

- Thyroid gland
- Parathyroid gland
- Carotid artery
- Jugular vein
- Longus coli muscle
- Sternohyoid muscle
- Sternothyroid muscle
- Omohyoid muscle
- Sternoleidomastoid muscle
- Esophagus
- Vagus nerve
- Strap muscles

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**Thyroid Gland: Normal Echotexture and Vascularity**

Light gray, smooth, homogeneous echotexture.

Normal isthmus thickness is <4 mm.

**Pearl:** Thyroid gland and salivary gland parenchyma have similar echogenicity.
**Thyroid Gland: Status Post Hemithyroidectomy**

Status post right hemithyroidectomy  
* Right thyroid bed

Status post left hemithyroidectomy  
* Left thyroid bed

Carotid artery is displaced anteriorly.  
Carotid artery is displaced towards the trachea.

**Pearl:** After thyroid surgery, residual thyroid tissue is sometimes visualized between the carotid artery and the trachea.
Thyroid Gland: Benign Follicular Nodule

Oval, solid, hypoechoic, homogeneous nodule with smooth margins.

**Pearl:** In side-by-side image, left image shows transverse view, and right image shows sagittal and anterior-posterior view, so a three-dimensional view of the nodule is seen.

Oval, solid nodule with central cystic pockets and smooth margins.

Transverse view  
Sagittal view  
Transverse view
Thyroid Gland: Benign Follicular Nodule

**Pearl:** Spongiform echotexture is highly suggestive of a benign nodule.