Multimodality Imaging of Thyroid Disorders: A Pictorial Review

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PURPOSE/AIM
Thyroid gland plays a critical role in human metabolism. Recent advances in imaging techniques have considerably improved the diagnostic accuracy, follow up and prognosis of many patients affected with thyroid disorders. This pictorial review highlights the roles of different imaging modalities in the evaluation of thyroid diseases.

CONTENT ORGANIZATION
Pictorial review of: Radionuclide Scintigraphy
- Lingual thyroid
- Congenital organification defect
- Graves disease
- Autonomous thyroid nodule
- Warm nodule
- Cold nodule
- Multinodular gland
- Thyroiditis
- Thyroid carcinoma
- Post thyroidectomy imaging
- Postradioiodine therapy imaging including SPECT CT

PET CT imaging
- Incidental findings and metastasis

Ultrasound
- Thyroid adenoma
- Multinodular goiter
- Papillary cancer
- Follicular cancer
- Medullary cancer
- Anaplastic cancer
- Post thyroidectomy follow up
- Lingual thyroid and thyroglossal cyst
- Hashimotos thyroiditis

CT and MRI:
- Tumor recurrence and cervical metastasis

SUMMARY
The above exhibit with illustrations will help viewers to better understand various available imaging modalities for the management of thyroid diseases. This will help in the selection of appropriate study and aid in patient management.