

## Lingual Thyroid: An Ectopic Presentation at the Base of the Tongue

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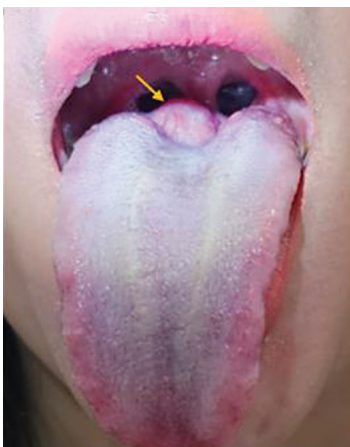
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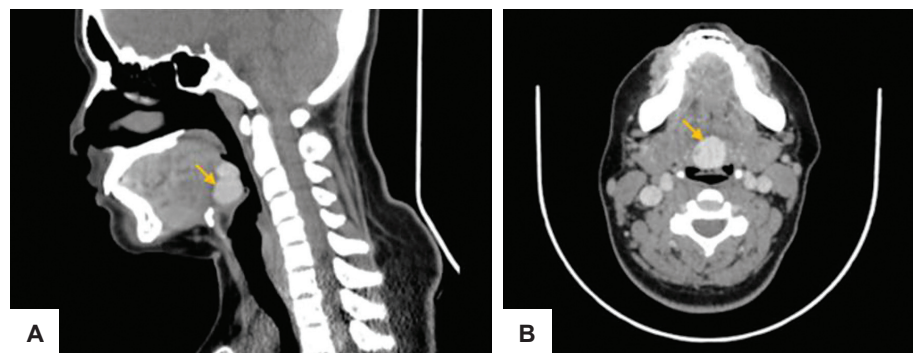
Lingual thyroid is the most common form of thyroid ectopia, resulting from failure of normal caudal migration of the thyroid anlage during embryogenesis.<sup>1</sup> Diagnosis relies on cross-sectional imaging to define anatomy and radionuclide scintigraphy as the gold standard to verify functional thyroid tissue and exclude normally located gland.<sup>2</sup>

The images depict the clinical, radiological, and scintigraphic findings of a 27-year-old woman with ectopic

lingual thyroid. Clinical photograph showed a smooth, reddish, round mass at the tongue base (Figure 1). Contrast-enhanced CT in sagittal and axial views demonstrated an enhancing lesion at the posterior tongue with the absence of orthotopic thyroid tissue in the pretracheal area (Figure 2). Tc-99m pertechnetate scintigraphy showed focal tracer uptake in the lingual region (Figure 3), confirming the diagnosis of ectopic thyroid tissue.



**Figure 1.** Examination of the tongue revealed a small, smooth, reddish mass located at the base of the tongue.



**Figure 2.** Contrast-enhanced multislice computed tomography (MSCT) of the neck demonstrated an ectopic thyroid gland at the base of the posterior tongue, shown in (A) sagittal and (B) axial views.

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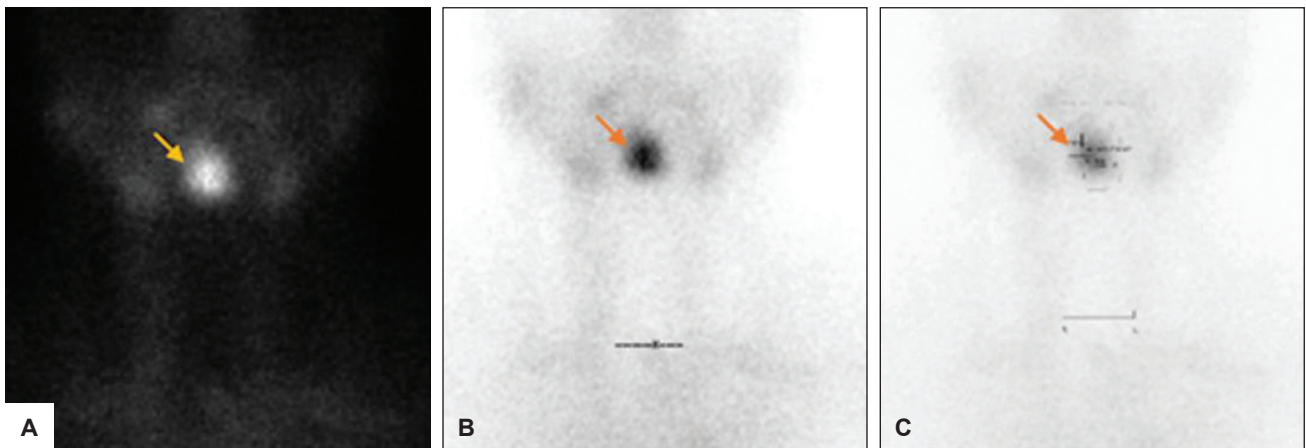
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**Figure 3.** Thyroid scan with technetium-99m showing a round, focal area of radiotracer uptake in the lingual projection. **(A)** Focal area of increased radiotracer uptake in the midline at the base of the tongue (*orange arrow*). **(B)** Focal radiotracer uptake in the lingual region (*orange arrow*), suggestive of a lingual thyroid. **(C)** Confirmatory view demonstrating localized uptake at the base of the tongue (*orange arrow*).

#### Ethical Consideration

Patient consent forms were obtained before manuscript submission.

#### Statement of Authorship

Both authors certified fulfillment of ICMJE authorship criteria.

#### CRedit Author Statement

**RR:** Conceptualization, Data curation, Visualization, Writing – original draft preparation, Writing – review and editing. **DT:** Conceptualization, Supervision, Writing – review and editing.

#### Data Availability Statement

No datasets were generated or analyzed for this study.

#### Author Disclosure

Both authors declared no conflict of interest.

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