



Rad to Rad Learning: Hot Thyroid Nodule

The Radiology Partners (RP) NMMI Radiology National Subspecialty Division (NSD) presents our newest Rad to Rad Learning case.

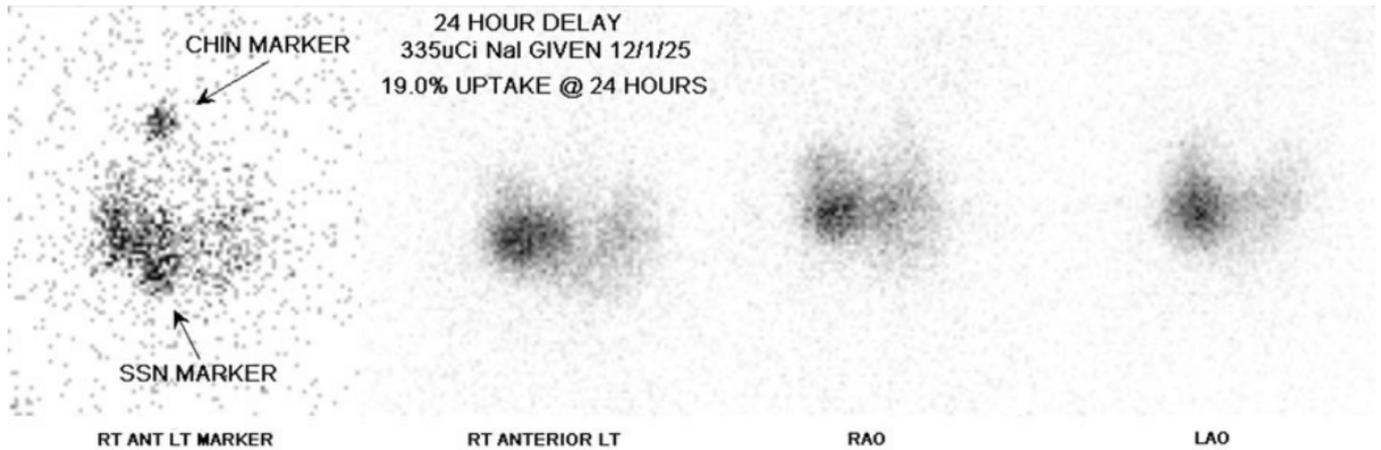
Peer Learning Opportunity



On I-123 thyroid scintigraphy, focal nodular uptake is encountered frequently and is referred to as “hot nodule”.

Hot Thyroid Nodule

In this study, we see focal nodular uptake to the right thyroid gland with suppression of the remaining glandular tissue. Uptake at 24 hours is within normal limits.



Shared to improve patient safety and healthcare delivery in the provision of radiology services. The circumstances and facts are changed, altered, or deidentified to preserve confidentiality. Privileges have not been waived.

Practical Insights

- **Nodules demonstrating focal uptake are overwhelmingly benign.**
- **Uptake of I-123 indicates that the nodule is functional and can produce thyroid hormones.**
- **Hot nodules are symptomatic in a subset of patients that have biochemical thyrotoxicosis.**
- **Symptomatic, hyperfunctioning thyroid nodules can be treated with I-131 therapy.**



Hot nodules are non-malignant and can sometimes be symptomatic.

The NMMI Radiology National Subspecialty Division (NSD) is part of [RP's Clinical Value Team](#), which works to elevate patient care and enhance value through innovation, collaboration and education. To advance this goal, our radiologists and advanced practice providers are committed to sharing peer learning as valuable reminders and insights about what we encounter in our day-to-day practice. Check back here and on [X](#), [LinkedIn](#) and [Instagram](#) to see these common cases and our findings.

Visit the [Clinical Resources page](#) for more cases and to see what we've developed to enhance best practice recommendations, elevate image quality and patient care and update current standards throughout RP's network of practices, all to deliver excellent radiology services to patients, referring clinicians and client partners.



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