

THYROID IMAGING

Mastering radioactive iodine (RAI) imaging

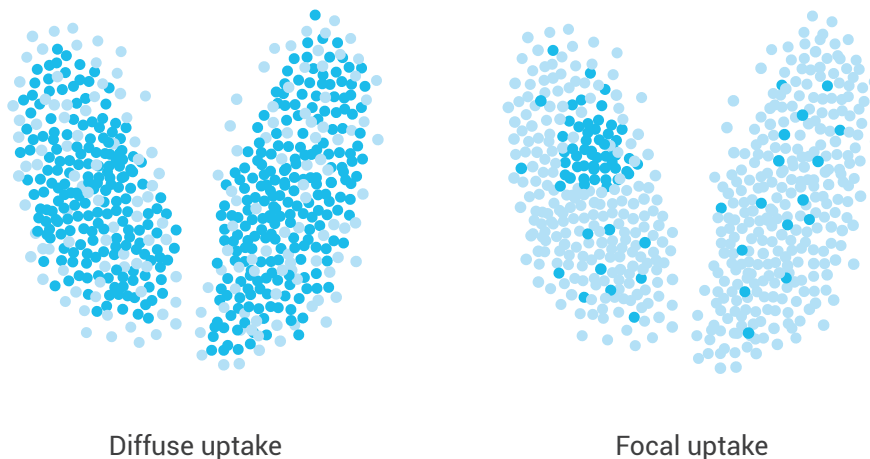
Since iodine uptake is one of the key steps in thyroid hormone production, we can use radiolabeled iodine to help measure thyroid activity.

After taking an oral dose of radiolabeled iodine, the patient's thyroid is scanned, which allows for calculation of how much thyroid hormone is being produced and which parts of the thyroid are overactive.

This shows whether uptake is increased or decreased:



If increased, it shows whether this is diffused or focal:



These results are useful in diagnosing the cause of hyperthyroidism.