DUKE'S 3-TIERED SYSTEM

CT/MRI/PET-CT Features	Recommendation
Category 1: Thyroid nodule PET avid or Thyroid nodule locally invasive or Suspicious lymph nodes	Strongly consider workup with US for any size nodule
Category 2: Solitary thyroid nodule in patient <35 years age	Consider workup with US if ≥1 cm in adults. Consider workup with ultrasound for any size in pediatric patients.
Category 3: Solitary thyroid nodule in patient ≥35 years age	Consider workup with ultrasound if ≥1.5 cm
Multiple nodules	Consider ultrasound with recommendations prioritized on basis of criteria (in order listed) for solitary nodule

DOES IT WORK?

1) Reduce FNA in nodules with low risk of malignancy

Reduced workup of ITN by 35-46%

Nguyen. AJNR April 2013
Hobbs H. AJR Jan 2014

2) Capture clinically significant cancers

Captured same number of cancers as a 1cm size cutoff when applied to the SEER data base

Nguyen. AJNR April 2013

No missed cancers in 12 months when 3TS applied to ITN undergoing US-guided FNA

Hobbs H. AJR Jan 2014

Incidental cancers negative for 3TS represent 1% of cancers diagnoses. Missed malignancies were all small papillary cancers.

Bahl. Thyroid In press 2013