









High SuspicionSolid hypoechoic or solid/cystic with one or more of 1) irreg margins, 2) taller>wide, 3) partial rim calcification, 4)extrathyroidal extension70-90%>1 cmIntermediate SuspicionHypoechoic solid with smooth margins with none of the high susp features10-20%>1 cmLow SuspicionIsoechoic or Hyperechoic or partial cystic with eccentric solid and no high suspicious features5-10%>1.5 cmVery Low SuspicionSpongiform or partially cystic nodules, no susp. features<3%	Pattern	Features	Estimated Risk of Cancer	FNA Size Cut off
Intermediate SuspicionHypoechoic solid with smooth margins with none of the high susp features10-20%> 1 cmLow SuspicionIsoechoic or Hyperechoic or partial cystic with eccentric solid and no high suspicious features5-10%> 1.5 cmVery Low 	High Suspicion	Solid hypoechoic or solid/cystic with one or more of 1) irreg margins, 2) taller>wide, 3) partial rim calcification, 4)extrathyroidal extension	70-90%	>1cm
Low SuspicionIsoechoic or Hyperechoic or partial cystic with eccentric solid and no high suspicious features5-10%>1.5 cmVery Low SuspicionSpongiform or partially cystic nodules, no susp. features<3%	Intermediate Suspicion	Hypoechoic solid with smooth margins with none of the high susp features	10-20%	> 1 cm
Very Low SuspicionSpongiform or partially cystic nodules, no susp. features<3%>2 cm or observationBenignPure cystic nodules<1%No FNA	Low Suspicion	Isoechoic or Hyperechoic or partial cystic with eccentric solid and no high suspicious features	5-10%	>1.5 cm
Benign Pure cystic nodules <1% No FNA	Very Low Suspicion	Spongiform or partially cystic nodules, no susp. features	<3%	>2 cm or observation
	Benign	Pure cystic nodules	<1%	No FNA
	Haugen, et al Thyroid 2015			The James



 2015 Guidelines Node FNA Selection Table 8: Ultrasound features of lymph nodes predictive of malignant involvement. (adapted with permission from the European Thyroid Association guidelines for cervical ultrasound 				
Sign Reported s	sensitivity %	Reported specificity %		
 Microcalcifications 	5-69	93-100		
Cystic aspect	10-34	91-100		
Peripheral vascularity	40-86	57-93		
 Hyperechogenicity 	30-87	43-95		
Round shape	37	70		
8 Haugen, et al Thyroid 2015		The James		



























