

Supplementary Material

Thyroid Ultrasound – PRELIMINARY REPORT ONLY

Patient Name: _____ MRN: _____ Exam Date: _____

ACC#: _____ RADIOLOGIST: _____ SONOGRAPHER: _____ Prev?: N/Y Date: _____

HISTORY:

RISK FACTORS: Personal history of thyroid malignancy: Y / N
 Family history of thyroid malignancy: Y / N
 Personal history of radiation: Y / N
 Personal history of endocrine syndrome: Y / N

OVERALL: Homogenous / Heterogeneous Number of nodules: _____

RIGHT LOBE: Size (W x AP): _____ Previous size: _____

#	LOC	SIZE (Sag x Ax x AP)	PREV SIZE	COMPOSITION	ECHOGENICITY	TALL> WIDE	MARGINS	ECHOGENIC FOCI	Pts
1				c sp M S	a ↑ = ↓ ↓↓	n Y	s id L I E	n ct M R P	
2				c sp M S	a ↑ = ↓ ↓↓	n Y	s id L I E	n ct M R P	
3				c sp M S	a ↑ = ↓ ↓↓	n Y	s id L I E	n ct M R P	
4				c sp M S	a ↑ = ↓ ↓↓	n Y	s id L I E	n ct M R P	

Comments: _____

LEFT LOBE: Size (W x AP): _____ Previous size: _____

#	LOC	SIZE (Sag x Ax x AP)	PREV SIZE	COMPOSITION	ECHOGENICITY	TALL> WIDE	MARGINS	ECHOGENIC FOCI	Pts
1				c sp M S	a ↑ = ↓ ↓↓	n Y	s id L I E	n ct M R P	
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3				c sp M S	a ↑ = ↓ ↓↓	n Y	s id L I E	n ct M R P	
4				c sp M S	a ↑ = ↓ ↓↓	n Y	s id L I E	n ct M R P	

Comments: _____

ISTHMUS: Size (AP): _____ Previous size: _____

#	LOC	SIZE (Sag x Ax x AP)	PREV SIZE	COMPOSITION	ECHOGENICITY	TALL> WIDE	MARGINS	ECHOGENIC FOCI	Pts
1				c sp M S	a ↑ = ↓ ↓↓	n Y	s id L I E	n ct M R P	

Comments: _____

LYMPH NODES: Normal / Abnormal

OTHER COMMENTS:

TIRADS Guidelines (2017):

Report 4 most suspicious nodules with highest TIRADS score	COMPOSITION	ECHOGENICITY	TALLER THAN WIDE	MARGINS	ECHOGENIC FOCI	POINTS/TIRADS LEVEL
c Cystic	0	a Anechoic	0	s Smooth	0	0 Pts TR1 Benign
sp Spongiform	0	↑ Hyperechoic	1	id Ill-defined	0	2 Pts TR2 Not suspicious
M Mixed cystic & nodule	1	= Isoechoic	1	L Lobulated	2	M Macrocalc 1 suspicious
S Solid	2	↓ Hypoechoic	2	I Irregular	2	R Rim calc 2 3 Pts TR3 Mildly suspicious
		↓↓ Very Hypoechoic	3	E Extra-Thyroidal ext	3	P Punctate 3 4-6 Pts TR4 Moderately suspicious
						7+ Pts TR5 Highly suspicious

Figure 1: The redesigned sonographer worksheet

FINDINGS:

THYROID:

Texture: Homogeneous

Estimated total number of nodules:

Rt: \geq 1cm: 1

Lt: \geq 1cm: 1

Isthmus: 0

Number of spongiform nodules \geq 2cm not described below (TR1): 0

Number of mixed cystic and solid nodules \geq 1.5cm not described below (TR2):0

MARKER NODULES:

Nodule#: 1

Location: Right midpole

Maximum size (S x TR x AP): 0.4 x 0.5 x 0.4 cm cm;

Composition: Solid

Echogenicity: hypoechoic (2)

Shape: Wider than tall

Margins: ill-defined (0)

Echogenic foci: No, , ,

ACR TI-RADS total points: 4

ACR TI-RADS risk category: Moderate

Prior biopsy: N

Nodule#: 2

Location: Right midpole

Maximum size (S x TR x AP): 1.2 x 0.9 x 0.7 cm;

Composition: mixed cystic and solid (1)

Echogenicity: isoechoic (1)

Shape: Wider than tall

Margins: Extrathyroidal extension (3)

Echogenic foci: no

ACR TI-RADS total points: 5

ACR TI-RADS risk category: Moderate

Prior biopsy: No

Nodule#: 3

Location: Left upper pole

Maximum size (S x TR x AP): 2.8 x 1.4 x 1.3 cm;

Composition: Solid

Echogenicity: hyperechoic (1)

Shape: Wider than tall

Margins: ill-defined (0)

Echogenic foci: No

ACR TI-RADS total points: 3

ACR TI-RADS risk category: Mildly suspicious

Prior biopsy: No

Nodule#: 4

Location: Left midpole

Maximum size (S x TR x AP): 0.7 x 0.5 x 0.5 cm;

Composition: Solid

Echogenicity: hypoechoic (2)

Shape: Wider than tall

Margins: ill-defined (0)

Echogenic foci: no

ACR TI-RADS total points: 4

ACR TI-RADS risk category: Moderate

Prior biopsy: No

LYMPH NODES: No

OPINION:

4 thyroid nodules as described above. Ultrasound-guided FNA suggested for the left TIRADS 3 nodule. Follow-up suggested for the other nodules.

ACR TI-RADS recommendations:

TR5 (>= 7 points) -FNA if >= 1cm, follow-up if 0.5 -0.9 cm every year for 5 years

TR4 (4-6 points) -FNA if >= 1.5cm, follow-up if 1 -1.4 cm in 1, 2, 3 and 5 years

TR3 (3 points)-FNA if >= 2.5cm, follow-up if 1.5 -2.4 cm in 1, 3 and 5 years

TR2 (2 points) \T\ TR1 (0 points) -No FNA or follow-up

Figure 2: A sample thyroid ultrasound report using the new structured dictation template