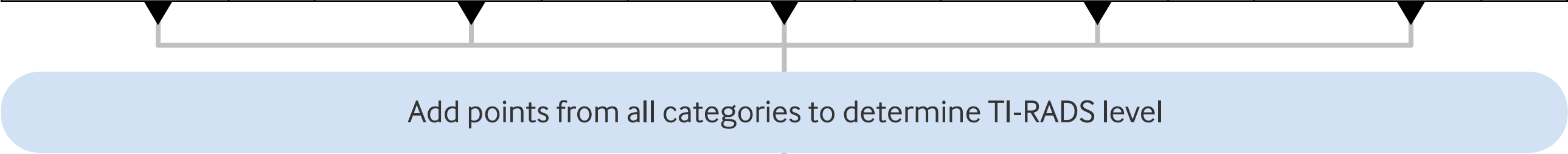


ACR TI-RADS

Composition		Echogenicity		Shape		Margin		Echogenic FOCI	
Choose 1	points	Choose 1	points	Choose 1	points	Choose 1	points	Choose all that apply	points
Cystic or almost completely cystic	0	Anechoic	0	Wider-than-tall	0	Smooth	0	None or large comet-tail artifacts	0
Spongiform	0	Hyperechoic or isoechoic	1	Taller-than-wide	3	Ill-defined	0	Macrocalcifications	1
Mixed cystic and solid	1	Hypoechoic	2			Lobulated or irregular	2	Peripheral (rim) calcifications	2
Solid or almost completely solid	2	Very hypoechoic	3			Extrathyroidal extension	3	Punctate echogenic foci	3



0 Points
TR 1
Benign
No FNA

2 Points
TR 2
Not suspicious
No FNA

3 Points
TR 3
Mildly suspicious
FNA if ≥ 2.5cm
Follow if ≥ 1.5cm

4 to 6 Points
TR 4
Moderately suspicious
FNA if ≥ 1.5cm
Follow if ≥ 1cm

7 Points or more
TR 5
Highly suspicious
FNA if ≥ 1cm
Follow if ≥ 0.5cm

Composition	Echogenicity	Shape	Margin	Echogenic FOCI
<i>Spongiform:</i> Composed predominantly (>50%) of small cystic spaces. Do not add further points for other categories <i>Mixed cystic and solid:</i> Assign points for predominant solid component Assign 2 points if composition cannot be determined because of calcification	<i>Anechoic:</i> Applies to cystic or almost completely cystic nodules <i>Hyperechoic/isoechoic/hypoechoic:</i> Compared to adjacent parenchyma <i>Very hypoechoic:</i> More hypoechoic than strap muscles Assign 1 point if echogenicity cannot be determined	<i>Taller-than-wide:</i> Should be assessed on a transverse image with measurements parallel to sound beam for height and perpendicular to sound beam for width This can usually be assessed by visual inspection	<i>Lobulated:</i> Protrusions into adjacent tissue <i>Irregular:</i> Jagged, spiculated, or sharp angles <i>Extrathyroidal extension:</i> Obvious invasion = malignancy Assign 0 points if margin cannot be determined	<i>Large comet-tail artifacts:</i> V-shaped, >1 mm, in cystic components <i>Macrocalcifications:</i> Cause acoustic shadowing <i>Peripheral:</i> Complete or incomplete along margin <i>Punctate echogenic foci:</i> May have small comet-tail artifacts