

### ACR Thyroid Imaging Reporting and Data System (ACR TI-RADS)

ACR TI-RADS is a reporting system for thyroid nodules on ultrasound proposed by the American College of Radiology (ACR).

It provides a standardized scoring system to guide fine needle aspiration (FNA) or ultrasound follow-up decisions.

#### Scoring Categories:

Composition, Echogenicity, Shape, Margin, Echogenic Foci.

#### Classification:

TR1 (0 points): Benign

TR2 (2 points): Not suspicious

TR3 (3 points): Mildly suspicious

TR4 (4–6 points): Moderately suspicious

TR5 ( $\geq 7$  points): Highly suspicious

#### Risk of Malignancy:

TR1: 0.3%

TR2: 1.5%

TR3: 4.8%

TR4: 9.1%

TR5: 35%

#### Recommendations:

TR3: Follow-up  $\geq 1.5$  cm, FNA  $\geq 2.5$  cm

TR4: Follow-up  $\geq 1.0$  cm, FNA  $\geq 1.5$  cm

TR5: Follow-up  $\geq 0.5$  cm, FNA  $\geq 1.0$  cm

Source: Radiopaedia.org