

Table SI. RGIST risk assessment system from Armed Forces Institute of Pathology 2006 guidelines (6).

Risk	Stage	Relevant indicators
Very low, if any malignant potential	I	TS, ≤ 2.0 cm; MI, $\leq 5.0/50.0$ HPF
Low malignant potential	II	TS, 2.1-5.0 cm; MI, $\leq 5.0/50.0$ HPF
Intermediate malignant potential	III	TS, 5.1-10.0 cm; MI, $\leq 5.0/50.0$ HPF
High malignant potential	IV	TS, >10.0 cm; MI, any
		TS, any; MI, $>5.0/50.0$ HPF

HPF, high-power microscopic fields; MI, mitotic index; TS, tumor size.

Table SII. RGIST risk assessment system from National Institutes of Health 2008 guidelines (4).

Risk	Stage	Relevant indicators
Very low risk	I	TS, <2.0 cm; MI, $\leq 5.0/50.0$ HPF
Low risk	II	TS, 2.1-5.0 cm; MI, $\leq 5.0/50.0$ HPF
Intermediate risk	III	TS, <5.0 cm; MI, 6.0-10.0/50.0 HPF
High risk	IV	TS, any; MI, any (tumor rupture)
		TS, >10.0 cm; MI, any
		TS, any; MI, >10.0/50.0 HPF
		TS, >5.0 cm; MI, >5.0/50.0 HPF
		TS, 2.1-5.0 cm; MI, >5.0/50.0 HPF (non-gastric)
		TS, 5.1-10.0 cm; MI, $\leq 5.0/50.0$ HPF (non-gastric)

HPF, high-power microscopic fields; MI, mitotic index; TS, tumor size.

Table SIII. RGIST risk assessment system from International Union Against Cancer 2016 guidelines (1).

Risk	Stage	Relevant indicators			
		T	N	M	MI
Low malignant potential	I	T ₁	N ₀	M ₀	Low
		T ₂	N ₀	M ₀	Low
Intermediate malignant potential	II	T ₃	N ₀	M ₀	Low
Intermediate-high malignant potential	III A	T ₁	N ₀	M ₀	High
		T ₄	N ₀	M ₀	Low
High malignant potential	III B	T ₂	N ₀	M ₀	High
		T ₃	N ₀	M ₀	High
		T ₄	N ₀	M ₀	High
High malignant potential	IV	Any	N ₁	M ₀	Any
		Any	Any	M ₁	Any

T, primary tumor; N, regional lymph nodes; M, metastasis; MI, mitotic index.

Table SIV. RGIST risk assessment system from World Health Organization 2020 guidelines (2).

Risk	Stage	Relevant indicators
Benign	I	TS, ≤ 2.0 cm; MI, $\leq 5.0/5.0$ mm ²
		TS, 2.1-10.0 cm; MI, $\leq 5.0/5.0$ mm ²
Intermediate	II	TS, ≤ 2.0 cm; MI, $> 5.0/5.0$ mm ²
Malignant	III	TS, > 10.0 cm; MI, $\leq 5.0/5.0$ mm ²
		TS, 2.1-5.0 cm; MI, $> 5.0/5.0$ mm ²
		TS, > 5.0 cm; MI, $> 5.0/5.0$ mm ²

MI, mitotic index; TS, tumor size.

Table SV. RGIST risk assessment system from National Comprehensive Cancer Network 2022 guidelines (3).

Risk	Metastasis rate, %	Relevant indicators
None	0.0	TS, ≤2.0 cm; MI, ≤5.0/50.0 HPF
Low	4.3-8.5	TS, 2.1-5.0 cm; MI, ≤5.0/50.0 HPF
Moderate	24.0	TS, 5.1-10.0 cm; MI, ≤5.0/50.0 HPF
High	34.0-57.0	TS, >10.0 cm; MI, ≤5.0/50.0 HPF
	54.0	TS, ≤2.0 cm; MI, >5.0/50.0 HPF
	50.0-73.0	TS, 2.1-5.0 cm; MI, >5.0/50.0 HPF
	85.0	TS, 5.1-10.0 cm; MI, >5.0/50.0 HPF
	71.0-90.0	TS, >10.0 cm; MI, >5.0/50.0 HPF

HPF, high-power microscopic fields; MI, mitotic index; TS, tumor size.