

Cell Proliferation

- For MCTs , both mitotic index and Ki67 proliferation index are used
- Mitotic index (MI): Number of mitotic figures/10 high power (40X) fields → Good correlation with tumor grade and median survival time

Mitotic Index and Median Survival Time		
Mitotic Index	Cutaneous MCT 2	Cutaneous MCT3
≤ 5	70 months	6 months
> 5	5 months	< 2 months
Mitotic Index	Subcutaneous Low-grade	Subcutaneous High-grade
≤ 4	950 days	
> 4		140 days

Romanski et al (2007) *Vet Pathol* 44:335

Thompson et al (2011) *Vet Pathol* 48:156