

Carcinoma

Patient Monitoring with Tumor History Case Review



Patient - Maggie

Canine (Female Spayed)
Scottish Terrier

13 years old, 23 lbs
Pennsylvania

Patient Background

Maggie was a patient with history of severe oral disease and tooth abscesses. Monitoring TK1 & CRP levels began as standard VDI wellness panels, but transitioned to assist in cancer Dx & patient monitoring. Chart begins after 3 years of VDI wellness monitoring, corresponding with first tooth abscess.

Key Dates & Events

DATE	EVENT/NOTES
Aug 3, 2019	Cancer panel monitoring began when Maggie presented with frequent urination and continued monitoring of gum recession, tartar build, and oral discomfort.
Aug, 2019 - Mar, 2021	Maggie was being monitored with continued treatments for oral issues. TK1 continues to trend upwards, otherwise doing fine.
Mar 26, 2021	Mass identified on Left 5th Toe. Toe amputated with biopsy confirmed Carcinoma .
Jul 19, 2021	Mass identified between upper left & right incisors during oral surgery. Squamous Cell Carcinoma via biopsy. Clean margin was not achieved due to adherence of tissue to the bone.
Mar 27, 2022	Maggie having trouble going up stairs, panting, tremors. U/s reveals abdominal mass against right kidney. Exploratory reveals mass in liver and gallbladder , unable to remove. Suspect Maggie is entering autoimmune condition secondary to cancer. Euthanized.

Final Thoughts

Maggie was a long-term monitoring case that transitioned from general VDI wellness screening to cancer monitoring as disease developed. TK1 remained elevated and trending, and when trending/changes in CRP occurred simultaneously to TK1, a cancer event occurred - making the VDI Cancer Panel a leading indicator of tumor development.

