

## Supplementary Material

**Table S1:** Further tumor specifics, including tumor location, planned lateral surgical margins, OCT evaluation of the surgical margin, histologic excision status of the tumor, histopathologic diagnosis, tumor grade, and histologic tumor-free margin (HTFM) for 61 dogs following excision of a skin or subcutaneous tumor.

Case	Tumor Location	Planned lateral surgical margins	OCT Margin Status	Histologic Excision Status	Histopathologic tumor diagnosis	Grade <sup>a</sup>	HTFM
11	Extremity	Marginal	Incomplete	Incomplete	STS	1	-
12	Trunk	1.5 cm	Complete	Complete	MCT	Low / 2	4 mm
13	Extremity	2 cm	Complete	Complete	SQ MCT	-	6 mm
14	Extremity	Marginal	Complete	Incomplete	STS	2	-
15	Trunk	1.5 cm	Complete	Complete	SQ MCT	-	7 mm
16	Trunk	Marginal	Incomplete	Incomplete	Hemangiosarcoma	-	-
18	Trunk	2 cm	Complete	Complete	MCT	Low / 2	10 mm
19	Trunk	2 cm	Complete	Complete	MCT	Low / 2	7 mm
21	Trunk	2 cm	Complete	Incomplete	SQ MCT	-	-
22	Extremity	Marginal	Incomplete	Incomplete	STS	1	-
23	Extremity	Marginal	Incomplete	Incomplete	STS	2	-
25	Trunk	3 cm	Incomplete	Incomplete	MCT	High / 3	-
26	Extremity	1 cm	Incomplete	Incomplete	MCT	Low / 2	-
27	Extremity	3 cm	Incomplete	Incomplete	STS	1	-
28	Extremity	Marginal	Incomplete	Incomplete	STS	1	-
29	Extremity	1.5 cm	Incomplete	Incomplete	STS	3	-
30	Head/Neck	1 cm	Incomplete	Incomplete	Sebaceous Adenoma	-	-
31	Extremity	1.5 cm	Complete	Complete	MCT	Low / 1	10 mm
32	Trunk	3 cm	Complete	Complete	MCT	Low / 1	10 mm
33	Extremity	Marginal	Incomplete	Incomplete	STS	1	-
34	Extremity	2 cm	Incomplete	Complete	SQ MCT	-	9 mm
35	Extremity	3 cm	Complete	Incomplete	STS	1	-
36	Trunk	3 cm	Complete	Complete	STS	1	9 mm
38	Extremity	3 cm	Complete	Complete	MCT	Low / 2	20 mm
39	Trunk	1.5 cm	Incomplete	Complete	MCT	2	10 mm
40	Extremity	1 cm	Complete	Complete	Fibroadenexal Hamartoma	-	Margin not specified

41	Extremity	2 cm	Incomplete	Complete	SQ MCT	-	3 mm
42	Trunk	2.5 cm	Incomplete	Complete	MCT	Low / 2	10 mm
43	Trunk	2 cm	Incomplete	Complete	MCT	High / 3	2 mm
44	Trunk	1.5 cm	Complete	Complete	MCT	Low / 1	5 mm
45	Extremity	1 cm	Complete	Complete	Fibroadenexal Hamartoma	-	Margin not specified
46	Extremity	Marginal	Incomplete	Incomplete	Trichoepithelioma	-	-
47	Extremity	Marginal	Incomplete	Incomplete	STS	2	-
48	Extremity	1.5 cm	Complete	Complete	STS	1	5 mm
49	Extremity	Marginal	Incomplete	Incomplete	STS	1	-
50	Extremity	2 cm	Incomplete	Incomplete	MCT	Low / 2	-
53	Trunk	2.5 cm	Complete	Incomplete	MCT	Low / 2	-
54	Extremity	1 cm	Complete	Incomplete	MCT	Low / 2	-
55	Extremity	2 cm	Complete	Complete	SQ MCT	-	10 mm
56	Extremity	Marginal	Incomplete	Incomplete	STS	1	-
57	Trunk	Marginal	Incomplete	Incomplete	Hepatoid Adenoma	-	-
58	Extremity	1 cm	Incomplete	Incomplete	STS	2	-
59	Trunk	3 cm	Complete	Incomplete	MCT	Low / 2	-
60	Trunk	2 cm	Complete	Complete	Hemangioma	-	Margin not specified
61	Trunk	2 cm	Incomplete	Incomplete	Melanocytoma	-	-
62	Head/Neck	3 cm	Complete	Complete	STS	1	2 mm
63	Extremity	Marginal	Incomplete	Incomplete	Hemangioma	-	-
64	Extremity	2 cm	Complete	Complete	MCT	Low / 2	4 mm
65	Head/Neck	2 cm	Incomplete	Incomplete	STS	2	-
66	Extremity	2 cm	Incomplete	Incomplete	MCT	Low / 2	-
67	Extremity	Marginal	Incomplete	Incomplete	Trichoepithelioma	-	-
68	Extremity	Marginal	Incomplete	Incomplete	SQ MCT	-	-
70	Extremity	1 cm	Complete	Complete	MCT	Low / 2	Margin not specified
71	Trunk	2 cm	Complete	Incomplete	SQ MCT	-	-
72	Extremity	2 cm	Incomplete	Incomplete	MCT	Low / 2	-
73	Trunk	3 cm	Complete	Complete	STS	1	15 mm
74	Trunk	1 cm	Complete	Complete	MCT	Low / 2	15 mm
75	Extremity	Marginal	Incomplete	Incomplete	STS	1	-
76	Extremity	Marginal	Incomplete	Incomplete	STS	1	-
77	Trunk	Marginal	Complete	Incomplete	Sebaceous Adenoma	-	-
80	Trunk	3 cm	Complete	Complete	STS	1	2 mm

MCT = cutaneous mast cell tumor, SQ MCT = subcutaneous mast cell tumor, STS = soft tissue sarcoma

<sup>a</sup> Tumor grade is presented as Patnaik Grade / Kiupel Grade for cutaneous MCT or the canine STS grading system

first applied in dogs with STS by Kuntz et al for STS.<sup>39-41</sup>

