

**Supplementary Table S1**— Individual patient information for 14 cats with insulin resistance and acromegaly treated with stereotactic radiosurgery (17 Gy).

Y=years, kg=kilograms, IGF-1=insulin-like growth factor 1, RR=reference range, mm=millimeters, PE=physical examination, FS=female spayed, MC=male castrated; DSH=domestic shorthair, PU=polyuria, PD=polydipsia, UTI=urinary tract infection.

\*Baseline tumor-to-brain height ratio was measured in a post-contrast transverse CT image that represented the maximum height of the pituitary gland.

+Unable to obtain value for IGF-1 but was reported high in medical records.

Case	Age (Y)	Sex	Breed	Body weight (kg)	Baseline IGF-1 (RR 12-92 nmol/L)	Pituitary height (mm)	Baseline tumor: brain height*	Clinical signs/PE abnormalities
1	8	FS	DSH	3.5	540	12.5	0.43	PU, UTI, heart murmur, renomegaly, muscle wasting
2	11	MC	DSH	7.1	High+	7.0	0.25	Polyphagia, PU/PD, broad face with widened intraocular space, heart murmur, renomegaly

3	13	MC	DSH	6.6	131	4.0	0.15	Weight loss, lethargy, plantigrade stance, broad face with widened intraocular space, heart murmur, muscle wasting
4	13	MC	DSH	6.0	521	8.0	0.27	PU/PD, plantigrade stance
5	10	MC	DSH	5.9	361	4.8	0.17	PU/PD, neurologic deficits in forelimbs, gallop rhythm, broad face with widened intraocular space
6	10	MC	Maine Coon	6.3	285	5.2	0.19	Weight loss, PU/PD, muscle wasting
7	12	FS	American Domestic Shorthair	5.7	>521	5.5	0.21	PU, prognathism, abdominal organomegaly, muscle atrophy

8	11	FS	DSH	3.7	253	7.7	0.28	Polyphagia, PU/PD, weight loss, prognathism, hepatomegaly, muscle wasting
9	8	MC	DSH	6.3	395	7.9	0.30	Polyphagia, PU/PD, weight loss, heart murmur, abdominal organomegaly, muscle wasting, stertor
10	13	MC	Maine Coon	6.7	181	4.9	0.17	PU/PD, weight gain, wheezing, muscle wasting, plantigrade stance
11	12	FS	DSH	3.0	166	5.0	0.17	PU/PD, polyphagia, weight gain, hepatomegaly, muscle wasting
12	11	FS	Colorpoint Shorthair	4.3	251	6.5	0.23	PU/PD, polyphagia, heart murmur, organomegaly, muscle wasting

13	12	MC	DSH	5.8	222	4.9	0.16	Weight loss, stertor, heart murmur, muscle wasting, broadened face with thick mandible
14	8	FS	DSH	3.9	85	3.5	0.12	Polyphagia, PU/PD, heart murmur, hepatomegaly, muscle wasting