

Supplemental Table 1 Patient information and disease descriptions

Patient	Age	Sex	Disease Site(s)
1	26	F	neuroendocrine tumor, right maxillae with metastasis to the left mastoid, both thyroid lobes, left subdiaphragmatic and lower intraabdominal region
3	68	M	neuroendocrine tumor, primary unknown, lung, mediastinum and bone metastases
10	63	F	carcinoid, duodenum
17	63	M	carcinoid, small bowel, inguinal and paraaortic lymph nodes
19	71	F	carcinoid, large bowel, local recurrence, liver and lymph node metastases
21	30	F	paraganglioma – tumor localized paravertebralis, level of Th10-11
22	27	M	neuroendocrine carcinoma, skull base tumor
23	54	F	neuroendocrine tumor, pancreas
24	71	M	neuroendocrine tumor, small bowel
25	75	F	neuroendocrine tumor, primary unknown, liver metastasis
27	71	M	neuroendocrine carcinoma, left parotid, mediastinum metastases
28	70	M	neuroendocrine tumor, small bowel, metastasis to the liver

Supplemental Table 2 Normal organ masses for males, females and corresponding reference phantom values

		Organ Mass (g)			
		L. Kidney	R. Kidney	Liver	Spleen
Males	Mean +/- SD	177 +/- 22	169 +/- 30	1693 +/- 411	276 +/- 97
	Range	141 – 209	126 – 212	1158 – 2553	82 – 422
	Reference Phantom*	150	150	1910	183
Females	Mean +/- SD	127 +/- 29	138 +/- 31	1549 +/- 408	228 +/- 85
	Range	81 – 187	86 – 194	1072 – 2603	123 – 362
	Reference Phantom	138	138	1400	150

*The reference phantom values come from the phantom series of Cristy and Eckerman (1) and from Stabin et al. (2).

REFERENCES

1. Cristy M, Eckerman K. *Specific absorbed fractions of energy at various ages from internal photons sources*. Oak Ridge, TN: Oak Ridge National Laboratory; 1987. V1-V7. ORNL/TM-8381.
2. Stabin M, Watson E, Cristy M. *Mathematical models and specific absorbed fractions of photon energy in the nonpregnant adult female and at the end of each trimester of pregnancy*. Oak Ridge, TN: Oak Ridge National Laboratory; 1995. ORNL report ORNL/TM-12907.