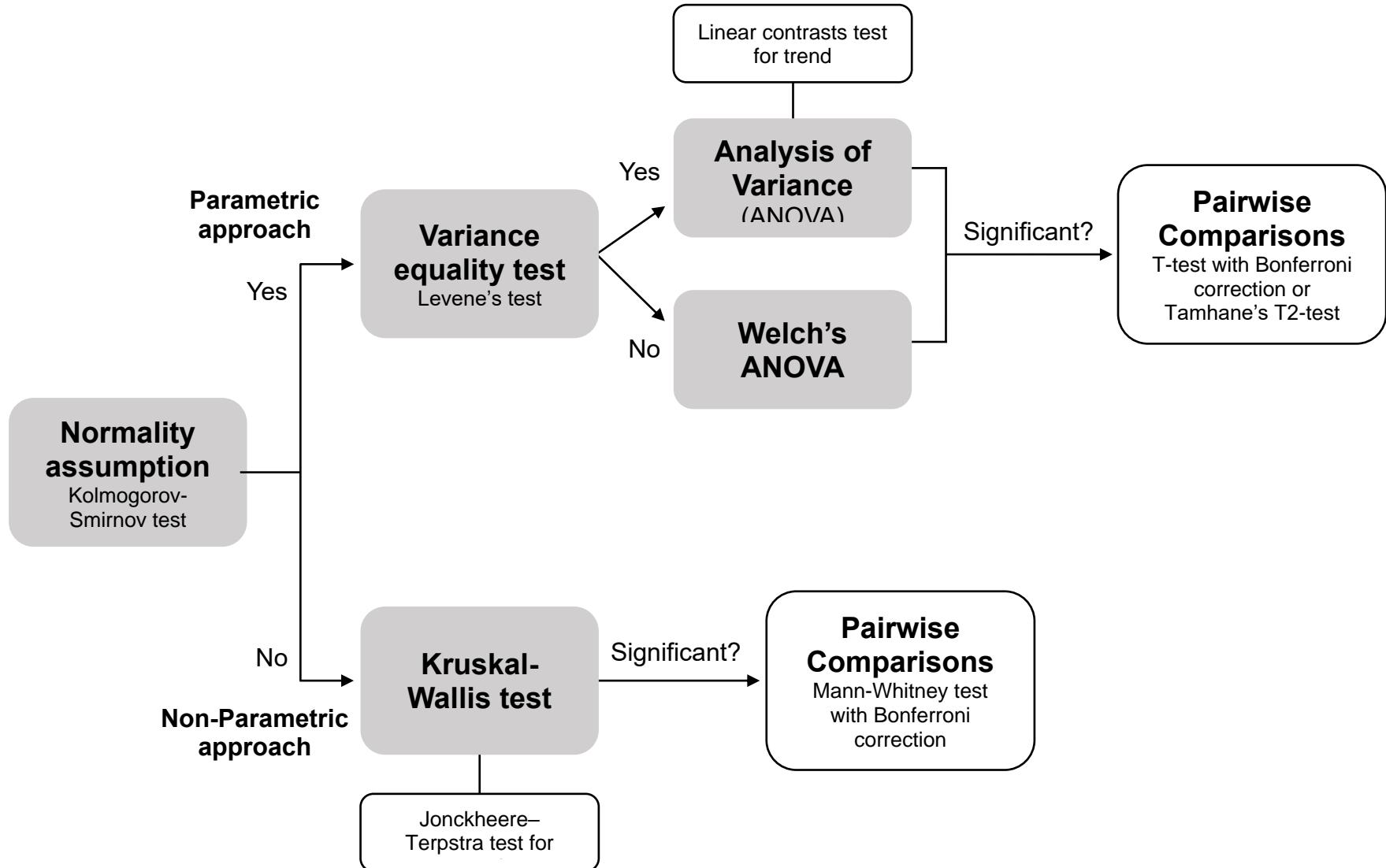


**Supplemental table 1.** Quantitative assessment of tumor lesions

Locations	Sum	SUV <sub>mean</sub> *										
		Dose 1	Dose 2	Dose 3	p value <sup>1</sup>	p value <sup>2</sup>	Time 1	Time 2	Time 3	Time 4	p value <sup>1</sup>	p value <sup>2</sup>
Local	8.99 ± 9.21	9.53 ± 9.11	11.98 ± 10.04	10.13 ± 12.11	0.78	0.84	9.83 ± 13.36	8.37 ± 5.94	14.41 ± 11.62	8.29 ± 8.13	0.364	0.469
Prostate	11.81 ± 9.42	11.88 ± 9.96	10.89 ± 8.85	11.45 ± 7.46	0.29	0.61	12.48 ± 9.77	12.36 ± 9.12	7.79 ± 5.65	13.20 ± 9.07	0.327	0.39
LN <sup>+</sup>	10.49 ± 10.88	12.38 ± 11.42	20.50 ± 15.90	14.75 ± 13.53	0.22	0.51	16.10 ± 9.37	9.55 ± 7.58	20.18 ± 17.95 23.88 ± 24.85		0.18	0.801
Bone	15.63 ± 14.15	13.65 ± 11.03	28.77 ± 20.82	16.82 ± 18.28	0.04	0.59	21.13 ± 15.95	11.39 ± 7.63	12.50 ± 10.91	16.68 ± 21.27	0.117	0.023
Total	19.53 ± 17.68	11.85 ± 10.29	16.72 ± 15.00	13.00 ± 12.26	0.019	0.248	16.19 ± 14.38	11.15 ± 8.12	14.32 ± 13.37	14.92 ± 17.18	0.039	0.068
ratio-SUV <sub>mean</sub>												
Locations	Sum	Dose 1	Dose 2	Dose 3	p value <sup>1</sup>	p value <sup>2</sup>	Time 1	Time 2	Time 3	Time 4	p value <sup>1</sup>	p value <sup>2</sup>
Local	16.85 ± 17.81	18.33 ± 17.53	22.11 ± 17.01	17.42 ± 20.23	0.74	0.71	17.15 ± 22.52	15.63 ± 10.61	27.65 ± 20.85	14.46 ± 14.63	0.217	0.448
Prostate	23.41 ± 20.13	25.44 ± 22.24	21.21 ± 17.28	19.91 ± 13.21	0.99	0.92	23.69 ± 19.41	24.31 ± 19.12	15.63 ± 12.08	24.29 ± 16.93	0.393	0.577
LN	19.41 ± 20.92	23.97 ± 23.20	37.56 ± 33.25	26.45 ± 22.61	0.33	0.51	27.71 ± 15.04	17.34 ± 13.84	38.35 ± 34.14	50.34 ± 56.36	0.125	0.957
Bone	28.59 ± 24.24	31.16 ± 27.56	44.69 ± 27.04	28.59 ± 30.49	0.15	0.85	33.98 ± 22.61	26.85 ± 24.06	22.78 ± 20.24	29.77 ± 34.66	0.259	0.048
Total	13.96 ± 12.86	24.51 ± 22.55	29.47 ± 25.97	22.68 ± 20.68	0.085	0.425	27.93 ± 22.37	21.56 ± 18.01	27.38 ± 25.43	28.25 ± 33.67	0.089	0.166

\*SUV<sub>mean</sub>; mean standardized uptake value; <sup>†</sup>LN:lymph node; p value<sup>1</sup>: results of group comparisons from K-W test; p value<sup>2</sup>: results of trend test from Jonckheere-Terpstra test.



**Supplemental Figure 1**

Workflow of statistical analyses for continuous variables.