

**Supplementary Table S2.** OARs and beam-on time comparison of each technique

	Whole cohort			Single lesion			Multiple lesions		
	HT vs. VMAT	HT vs. cone-based	VMAT vs. cone-based	HT vs. VMAT	HT vs. cone-based	VMAT vs. cone-based	HT vs. VMAT	HT vs. cone-based	VMAT vs. cone-based
BrainV <sub>5Gy</sub>	< 0.001**	0.016**	0.009**	0.005**	0.575	0.508	0.004**	0.013**	0.021
BrainV <sub>12Gy</sub>	0.002**	0.140	0.476	0.017	0.575	0.646	0.026	0.154	0.477
Optic nerve, right	0.021	0.205	0.050	0.333	0.721	0.139	0.010**	0.110	0.131
Optic nerve, left	0.030	0.339	0.019	0.959	0.878	0.333	0.006**	0.155	0.050
Optic chiasm	0.122	0.322	0.230	0.799	0.878	0.017	0.062	0.131	0.929
Cochlea, right	0.007**	0.009**	0.794	0.066	0.083	0.799	0.033	0.075	0.859
Cochlea, left	0.003**	0.039	0.394	0.508	0.646	0.878	0.003**	0.062	0.328
MU	< 0.001**	0.140	< 0.001**	0.005**	0.047	0.037	0.004**	0.534	0.003**
Beam on time	< 0.001**	0.296	< 0.001**	0.005**	0.959	0.037	0.005**	0.169	0.003**

OARs, organs-at-risk; HT, helical tomotherapy; VMAT, volumetric modulated arc therapy; MU, monitor unit.

p-value for pairwise comparison of Wilcoxon signed-rank test.

\*\*Significance detected by Bonferroni correction for three comparisons ( $p < 0.0165$ ).