

1. FLAME protocol

Patient	Dose	PTV-PET	PTV-MR	PTV-Union
1	<i>Dmin (Gy)</i>	73.01	80.87	72.52
	<i>D98% (Gy)</i>	81.17	89.63	79.32
	<i>D95% (Gy)</i>	85.46	90.60	84.17
	<i>D50% (Gy)</i>	94.74	97.10	94.48
	<i>D2% (Gy)</i>	98.00	100.83	98.96
	<i>Dmax (Gy)</i>	100.02	104.25	101.46
	Dmean (Gy)	93.25	96.33	93.10
2	<i>Dmin (Gy)</i>	71.58	82.27	59.96
	<i>D98% (Gy)</i>	82.67	87.92	72.84
	<i>D95% (Gy)</i>	86.15	88.81	78.62
	<i>D50% (Gy)</i>	95.94	94.66	94.75
	<i>D2% (Gy)</i>	99.90	98.44	99.61
	<i>Dmax (Gy)</i>	101.51	101.41	102.13
	Dmean (Gy)	94.69	94.05	92.90
3	<i>Dmin (Gy)</i>	73.17	66.70	78.83
	<i>D98% (Gy)</i>	83.89	80.21	79.68
	<i>D95% (Gy)</i>	85.96	84.72	84.76
	<i>D50% (Gy)</i>	95.19	94.73	95.06
	<i>D2% (Gy)</i>	98.26	97.58	98.09
	<i>Dmax (Gy)</i>	99.98	100.07	100.09
	Dmean (Gy)	93.64	93.10	93.46
4	<i>Dmin (Gy)</i>	84.24	81.64	77.64
	<i>D98% (Gy)</i>	88.65	86.33	85.97
	<i>D95% (Gy)</i>	89.44	87.97	86.90
	<i>D50% (Gy)</i>	94.17	94.89	92.90
	<i>D2% (Gy)</i>	98.22	97.80	97.91
	<i>Dmax (Gy)</i>	100.05	100.28	99.79
	Dmean (Gy)	93.88	93.94	92.61
5	<i>Dmin (Gy)</i>	88.01	87.52	88.48
	<i>D98% (Gy)</i>	90.85	90.18	91.03
	<i>D95% (Gy)</i>	91.66	90.85	91.74
	<i>D50% (Gy)</i>	96.17	95.28	96.25
	<i>D2% (Gy)</i>	100.05	98.20	99.92
	<i>Dmax (Gy)</i>	102.48	99.17	101.30
	Dmean (Gy)	95.91	94.88	95.97
6	<i>Dmin (Gy)</i>	80.94	82.56	80.22
	<i>D98% (Gy)</i>	88.21	89.62	86.71
	<i>D95% (Gy)</i>	89.90	90.43	89.33
	<i>D50% (Gy)</i>	95.89	94.53	96.19
	<i>D2% (Gy)</i>	100.82	97.75	99.67
	<i>Dmax (Gy)</i>	103.61	100.72	101.76
	Dmean (Gy)	95.53	94.17	95.38
7	<i>Dmin (Gy)</i>	77.51	86.41	80.29
	<i>D98% (Gy)</i>	88.31	89.68	88.39

	<i>D95% (Gy)</i>	89.83	90.48	89.58
	<i>D50% (Gy)</i>	95.33	95.46	95.98
	<i>D2% (Gy)</i>	98.97	99.11	99.85
	<i>Dmax (Gy)</i>	102.95	100.90	102.23
	Dmean (Gy)	94.79	95.02	95.33
8	<i>Dmin (Gy)</i>	83.65	86.99	83.66
	<i>D98% (Gy)</i>	89.38	90.26	89.55
	<i>D95% (Gy)</i>	90.39	90.92	90.51
	<i>D50% (Gy)</i>	96.75	96.02	97.25
	<i>D2% (Gy)</i>	101.40	100.40	102.13
	<i>Dmax (Gy)</i>	104.46	103.75	105.45
	Dmean (Gy)	96.19	95.70	96.62
9	<i>Dmin (Gy)</i>	78.88	82.13	78.61
	<i>D98% (Gy)</i>	86.03	87.07	85.56
	<i>D95% (Gy)</i>	87.34	88.25	87.14
	<i>D50% (Gy)</i>	95.50	95.54	95.78
	<i>D2% (Gy)</i>	99.56	99.66	99.69
	<i>Dmax (Gy)</i>	102.07	101.19	102.05
	Dmean (Gy)	94.37	94.82	94.59
10	<i>Dmin (Gy)</i>	74.49	82.70	72.78
	<i>D98% (Gy)</i>	83.07	87.30	82.57
	<i>D95% (Gy)</i>	85.21	88.38	85.82
	<i>D50% (Gy)</i>	93.58	96.17	95.76
	<i>D2% (Gy)</i>	101.29	99.47	99.20
	<i>Dmax (Gy)</i>	102.94	101.34	101.32
	Dmean (Gy)	93.47	95.12	94.25

2. Pinkawa protocol

Patient	Dose	PTV-PET	PTV-MR	PTV-Union
1	<i>Dmin (Gy)</i>	71.96	74.06	71.88
	<i>D98% (Gy)</i>	75.02	77.57	75.87
	<i>D95% (Gy)</i>	76.40	77.94	77.27
	<i>D50% (Gy)</i>	79.84	79.63	80.19
	<i>D2% (Gy)</i>	82.55	81.93	82.56
	<i>Dmax (Gy)</i>	84.17	84.56	83.96
	Dmean (Gy)	79.71	79.66	80.06
2	<i>Dmin (Gy)</i>	72.98	73.90	72.20
	<i>D98% (Gy)</i>	75.39	78.22	75.78
	<i>D95% (Gy)</i>	77.64	78.55	77.90
	<i>D50% (Gy)</i>	80.80	80.25	80.61
	<i>D2% (Gy)</i>	83.16	82.88	83.17
	<i>Dmax (Gy)</i>	84.44	84.64	84.76
	Dmean (Gy)	80.58	80.35	80.50
3	<i>Dmin (Gy)</i>	73.53	70.27	70.59
	<i>D98% (Gy)</i>	76.71	75.05	74.43

	<i>D95% (Gy)</i>	78.00	76.95	76.80
	<i>D50% (Gy)</i>	80.48	80.08	80.32
	<i>D2% (Gy)</i>	82.78	82.45	82.81
	<i>Dmax (Gy)</i>	84.07	84.91	84.58
	Dmean (Gy)	80.32	79.90	80.05
4	<i>Dmin (Gy)</i>	74.66	70.65	73.09
	<i>D98% (Gy)</i>	78,72	76.65	77.62
	<i>D95% (Gy)</i>	79.20	77.44	78.27
	<i>D50% (Gy)</i>	81.00	80.22	80.31
	<i>D2% (Gy)</i>	83.90	83.40	82.74
	<i>Dmax (Gy)</i>	85.97	84.99	84.19
	Dmean (Gy)	81.07	80.17	80.25
5	<i>Dmin (Gy)</i>	76.59	76.58	77.37
	<i>D98% (Gy)</i>	78.37	78.17	78.53
	<i>D95% (Gy)</i>	78.62	78.45	78.77
	<i>D50% (Gy)</i>	80.22	80.12	80.14
	<i>D2% (Gy)</i>	82,61	82.85	82.72
	<i>Dmax (Gy)</i>	83.91	83.79	83.20
	Dmean (Gy)	80.32	80.27	80.36
6	<i>Dmin (Gy)</i>	73.53	73.48	72.84
	<i>D98% (Gy)</i>	73.51	75.97	74.96
	<i>D95% (Gy)</i>	75.85	77.40	76.44
	<i>D50% (Gy)</i>	80.07	79.73	79.91
	<i>D2% (Gy)</i>	83.10	82.52	82.61
	<i>Dmax (Gy)</i>	84.72	84.01	84.42
	Dmean (Gy)	79.77	79.83	79.77
7	<i>Dmin (Gy)</i>	72.60	76.93	72.33
	<i>D98% (Gy)</i>	77.48	78.21	77.71
	<i>D95% (Gy)</i>	78.25	78.45	78.81
	<i>D50% (Gy)</i>	79.89	79.94	80.10
	<i>D2% (Gy)</i>	82.85	82.15	82.87
	<i>Dmax (Gy)</i>	84.54	82.93	83.94
	Dmean (Gy)	79.99	80.03	80.14
8	<i>Dmin (Gy)</i>	72.18	74.73	72.17
	<i>D98% (Gy)</i>	77.36	77.77	77.29
	<i>D95% (Gy)</i>	78.15	78.24	78.05
	<i>D50% (Gy)</i>	80.14	80.09	80.37
	<i>D2% (Gy)</i>	83.13	82.95	83.18
	<i>Dmax (Gy)</i>	84.75	84.39	84.56
	Dmean (Gy)	80.28	80.20	80.31
9	<i>Dmin (Gy)</i>	72.97	73.65	72.73
	<i>D98% (Gy)</i>	75.91	76.82	75.81
	<i>D95% (Gy)</i>	77.24	77.81	77.26
	<i>D50% (Gy)</i>	80.01	80.18	80.14
	<i>D2% (Gy)</i>	83.18	83.05	83.28
	<i>Dmax (Gy)</i>	85.90	85.82	85.01
	Dmean (Gy)	79.98	80.18	80.05

10	<i>Dmin (Gy)</i>	72.59	75.78	71.69
	<i>D98% (Gy)</i>	75.89	78.23	76.32
	<i>D95% (Gy)</i>	77.74	78.68	77.84
	<i>D50% (Gy)</i>	80.75	80.51	80.5
	<i>D2% (Gy)</i>	83.92	82.87	83.16
	<i>Dmax (Gy)</i>	86.92	83.98	85.51
	Dmean (Gy)	80.63	80.52	80.37