

Fig. 1

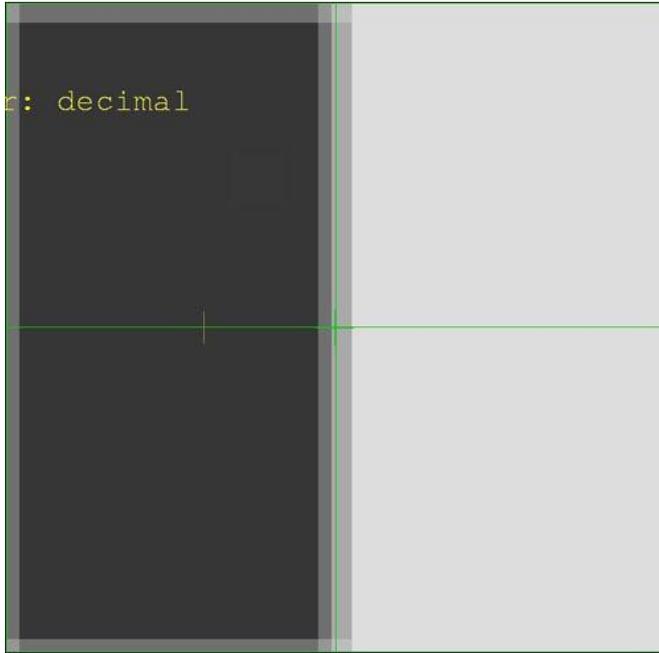


(a)



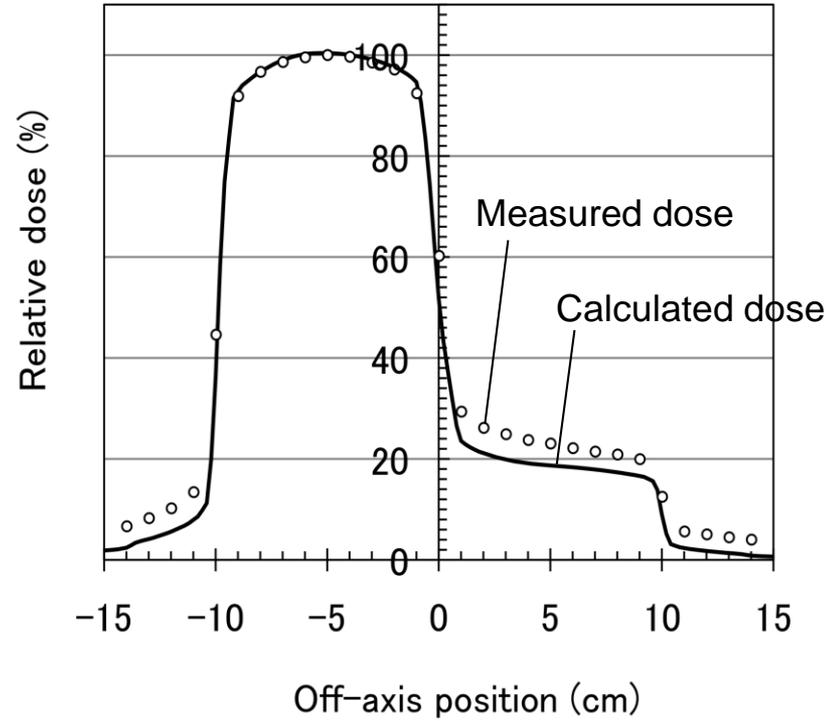
(b)

Fig. 2



(a)

Cross-line profile (90 degree)



(b)

Fig. 3

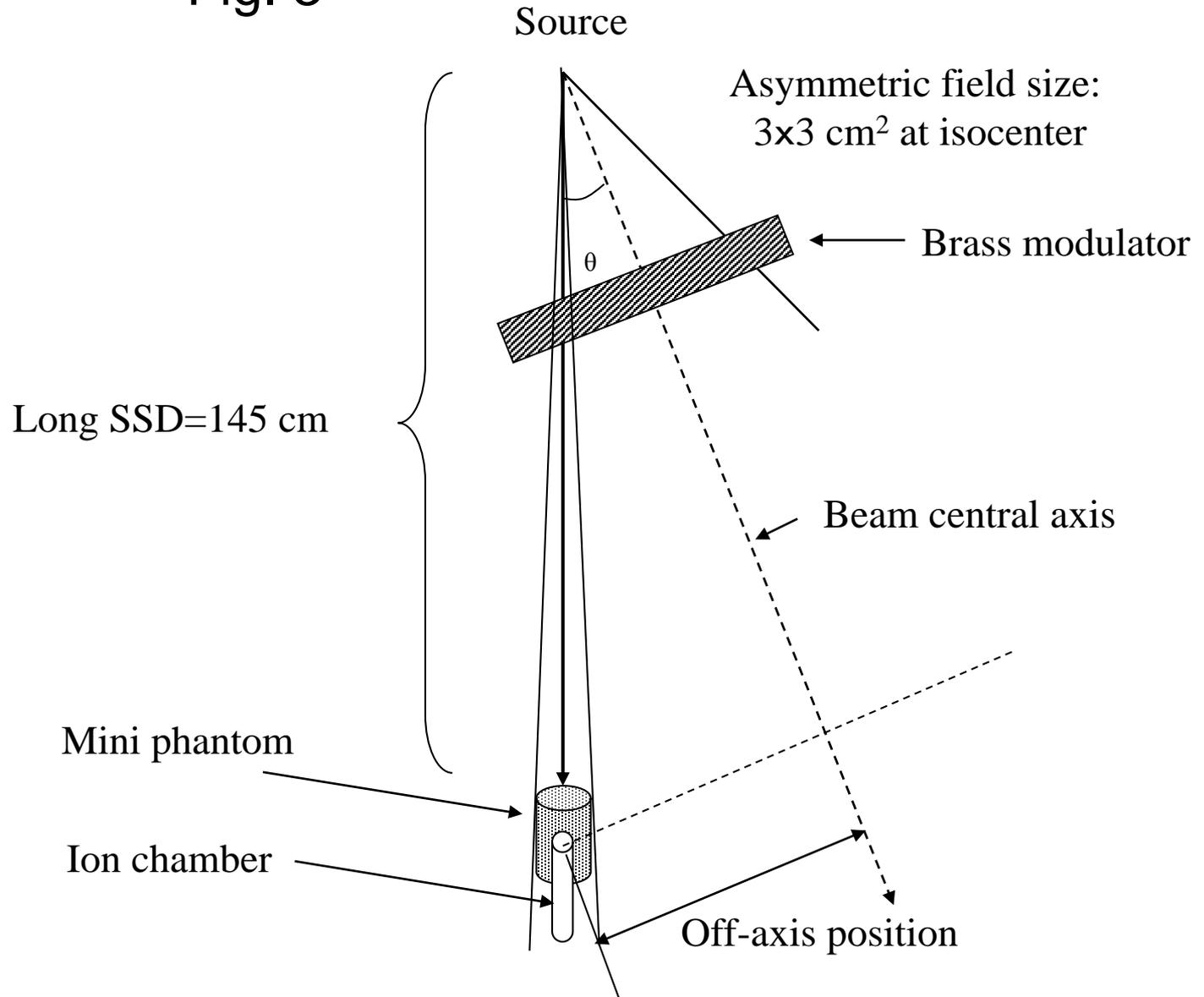


Table 1

Brass thickness(cm)	Off-axis position (cm)					
	0	2	4	6	8	10
0.5	0.4110	0.4129	0.4160	0.4210	0.4264	0.4312
1	0.4030	0.4051	0.4075	0.4120	0.4165	0.4204
2.5	0.3920	0.3936	0.3950	0.3979	0.4019	0.4065
4	0.3850	0.3859	0.3879	0.3899	0.3931	0.3969
6	0.3740	0.3744	0.3760	0.3778	0.3804	0.3836

Table 2

i	a_i	b_i	c_i	d_i
1	6.520E-07	-1.046E-05	4.994E-05	-6.637E-05
2	-9.191E-06	1.474E-04	-7.175E-04	1.230E-03
3	6.257E-07	-1.168E-04	6.933E-04	2.223E-04
4	-9.285E-04	1.050E-02	-4.929E-02	1.097E+00

$$\begin{aligned}
 m_{ratio}(r,t) = & (a_1t^3 + b_1t^2 + c_1t + d_1) \times r^3 + (a_2t^3 + b_2t^2 + c_2t + d_2) \times r^2 \\
 & + (a_3t^3 + b_3t^2 + c_3t + d_3) \times r + (a_4t^3 + b_4t^2 + c_4t + d_4)
 \end{aligned}$$

Fig. 4

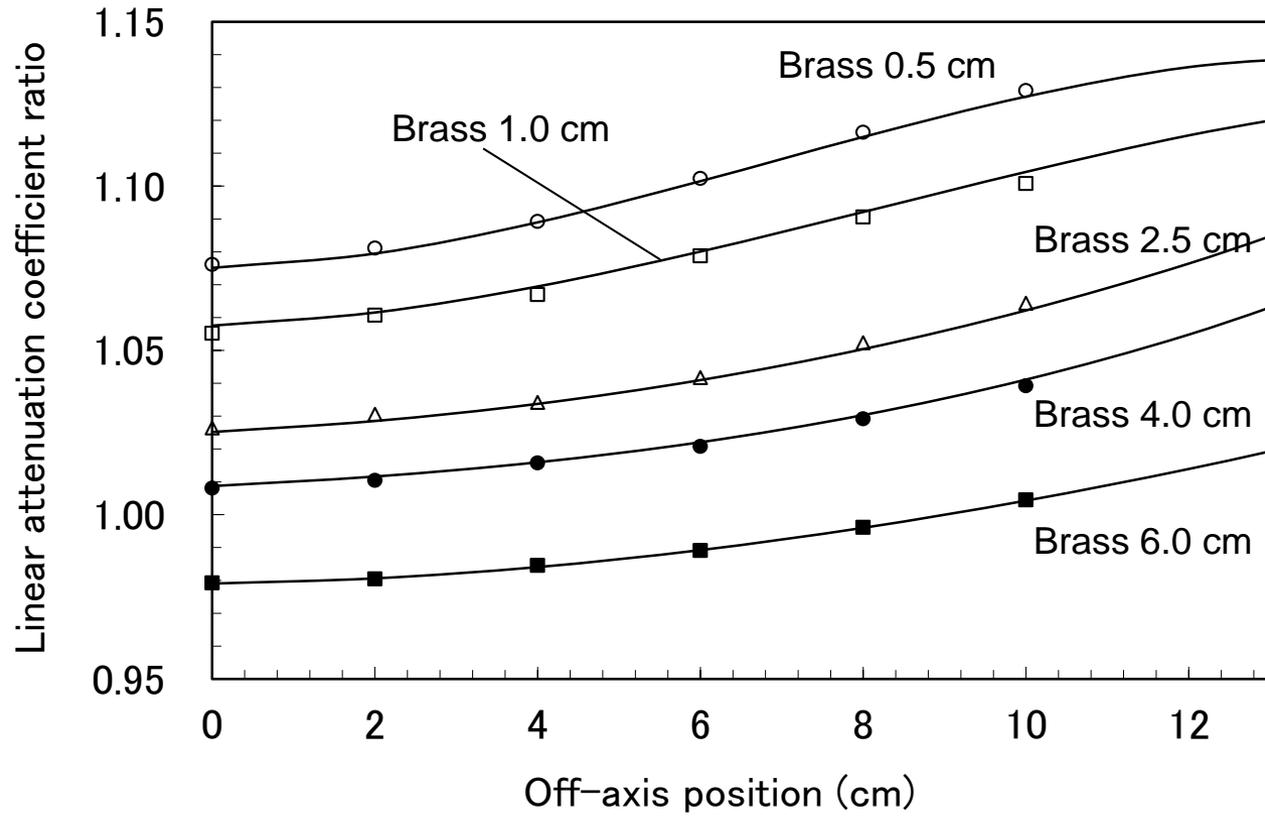


Fig. 5

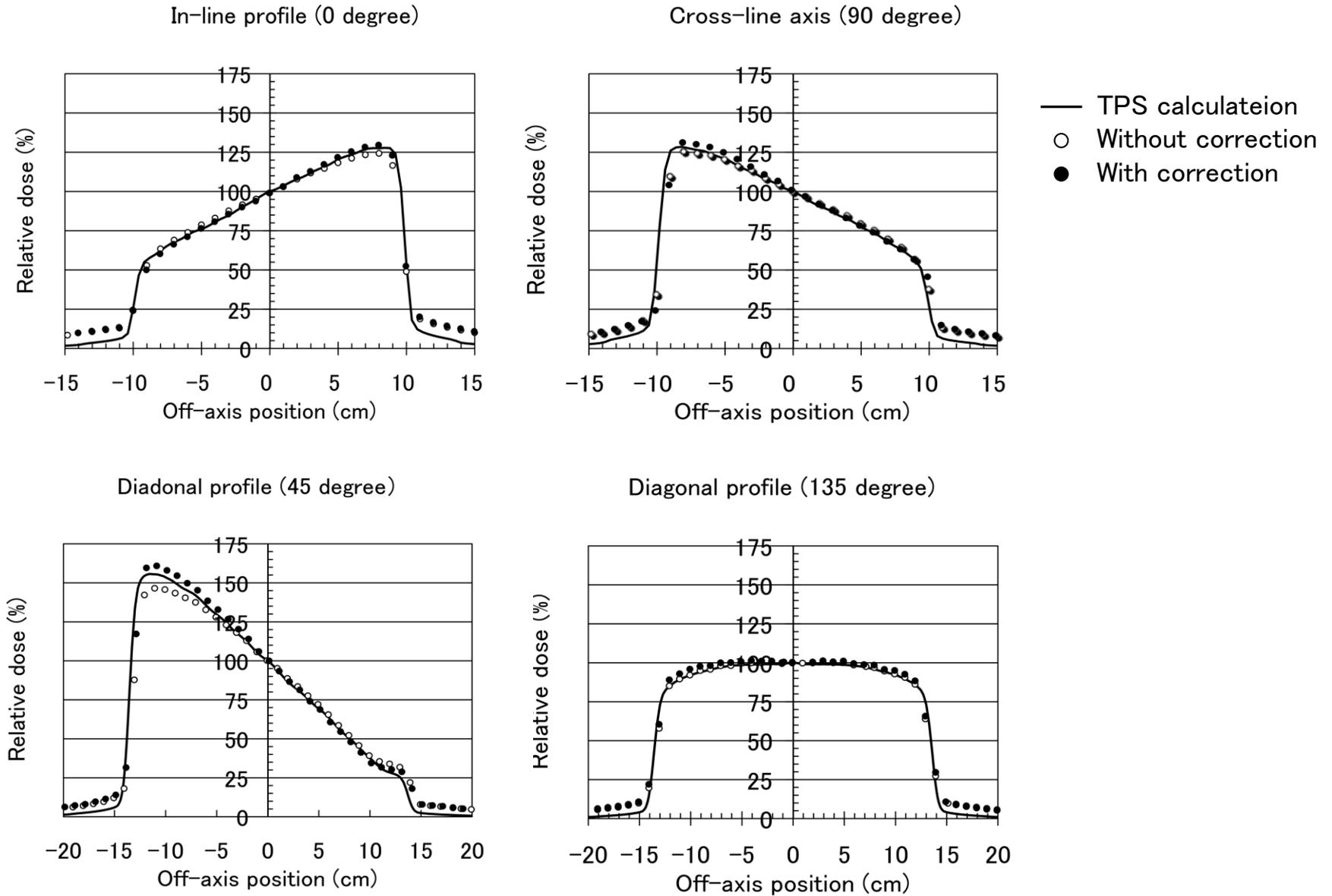
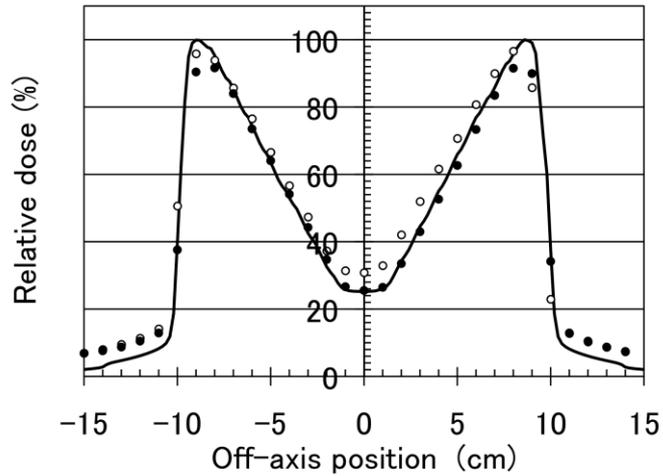
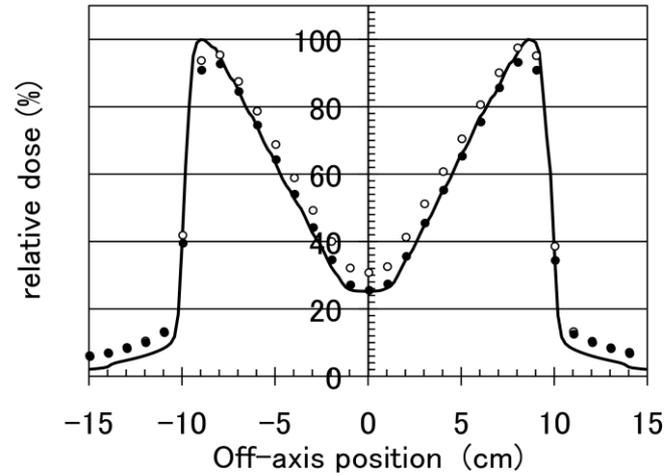


Fig. 6

In-line profile (0 degree)

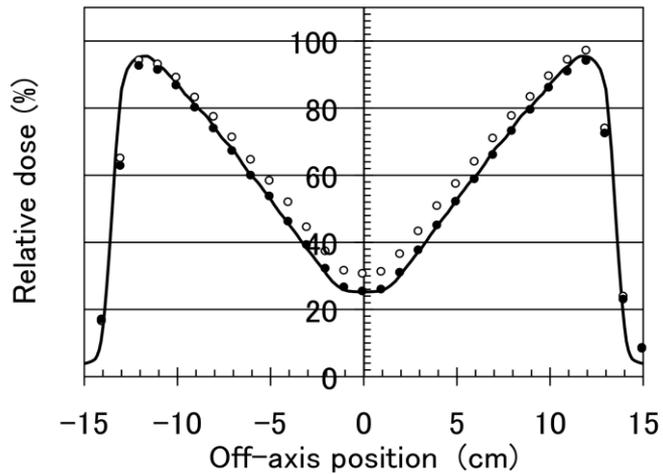


Cross-line profile (90 degree)



- TPS calculation
- Without correction
- With correction

Diagonal profile (45 degree)



Diagonal Profile (135 degree)

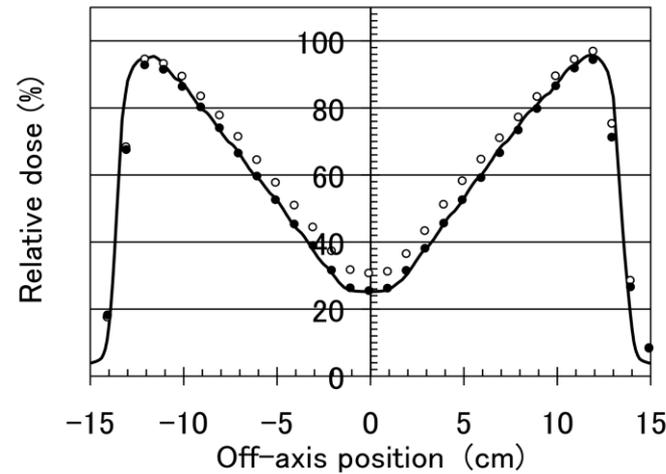
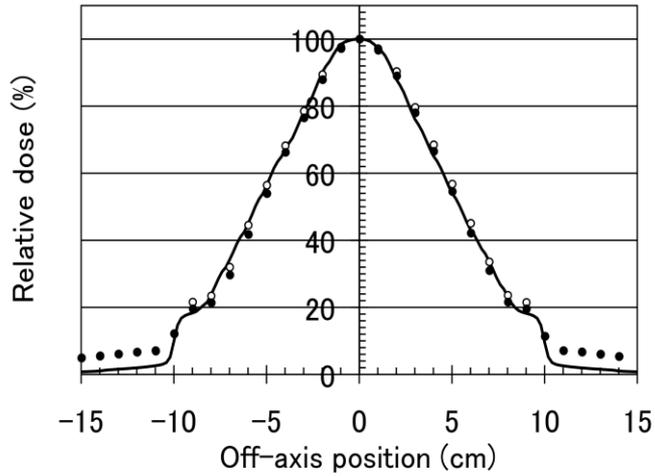
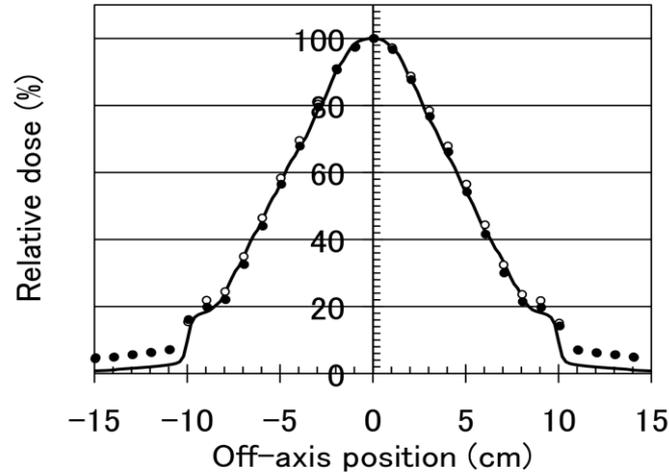


Fig. 7

In-line profile (0 degree)

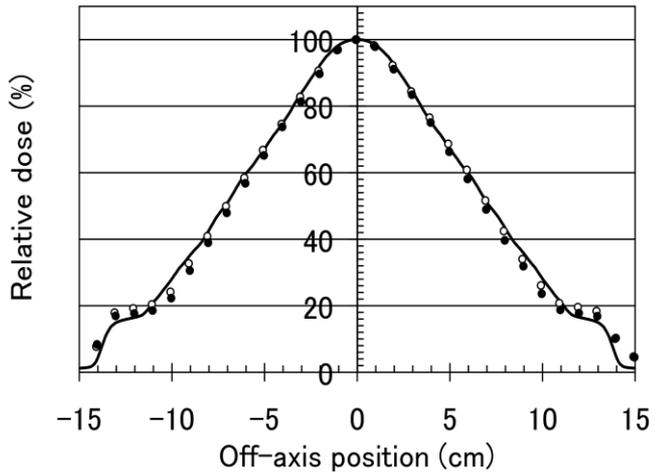


Cross-line profile (90 degree)



- TPS calculation
- Without correction
- With correction

Diagonal profile (45 degree)



Diagonal profile (135 degree)

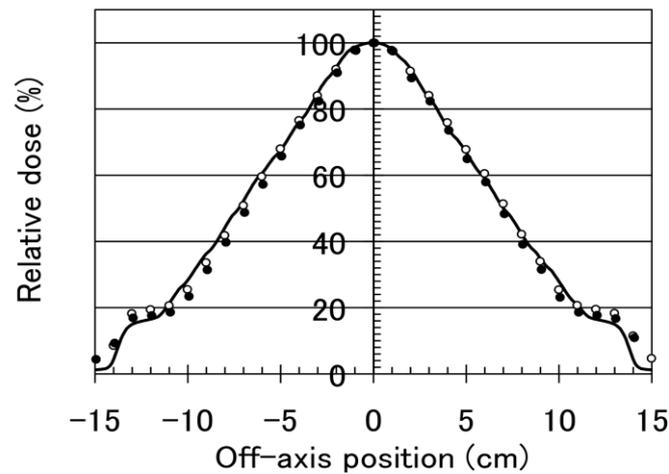


Fig. 8

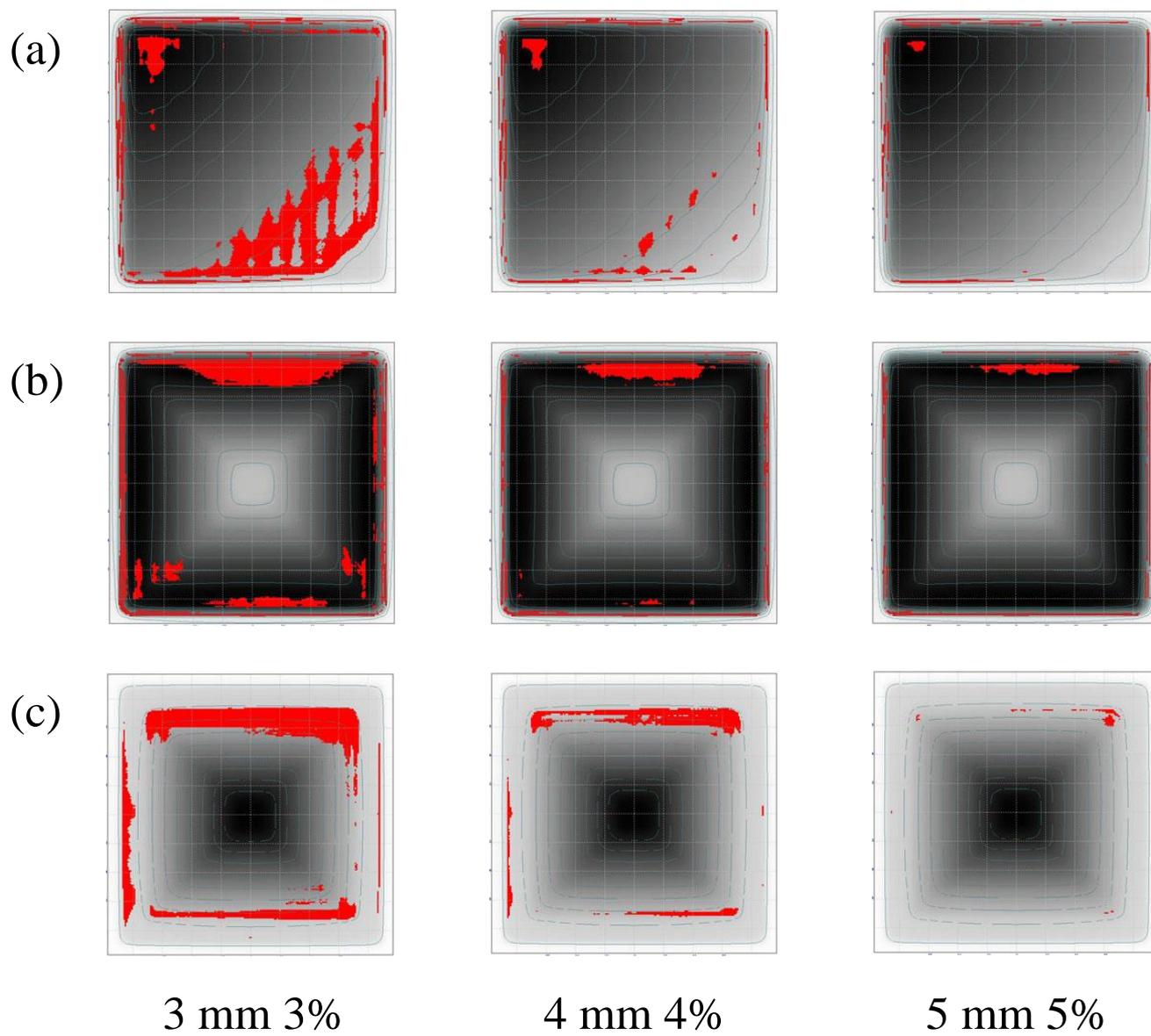
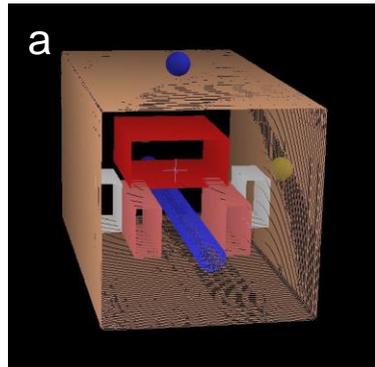
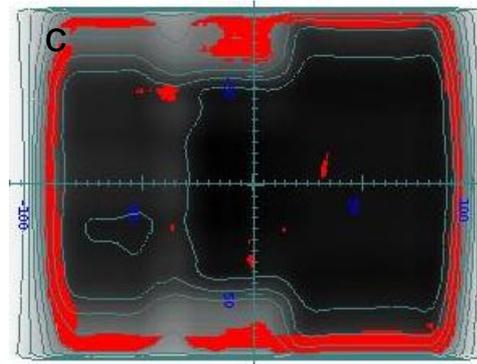


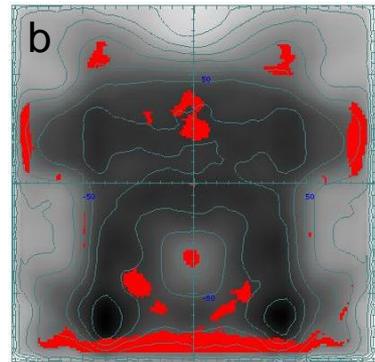
Fig. 9



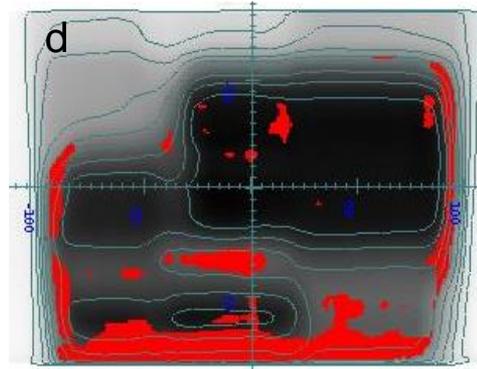
Schematic image of the pharynx model phantom



Coronal plane



Transverse plane



Sagittal plane