

## Supplementary material: Dosimetric data set for $^{106}\text{Ru}/^{106}\text{Rh}$ notched plaques with modified geometric models.

**Table S1.** Lateral relative dose profiles at several depths for the ophthalmic applicators CIA, CIB, COB and COC calculated with the modified geometric models.

Depth (mm)		Lateral distance from the CAX (mm)																			
CIA X		0	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5										
	1	100.0	104.5	109.7	116.6																
	2	71.8	74.8	79.6	84.6	91.3	98.1														
	3	50.6	52.0	54.8	58.2	59.7	56.7	38.7	12.1	3.8	1.6										
	4	34.8	35.8	37.1	37.7	37.2	32.3	22.9	11.7	5.1	2.2										
	6	14.8	14.9	15.0	14.8	13.5	11.7	8.8	5.9	3.4	1.9										
	8	5.4	5.6	5.4	5.2	4.6	4.0	3.1	2.3	1.6	1.0										
	10	1.7	1.7	1.6	1.6	1.5	1.2	1.0	0.7	0.5	0.4										
CIA Y		-9.5	-8.5	-7.5	-6.5	-5.5	-4.5	-3.5	-2.5	-1.5	0	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	
	1								120.8	115	110	100	72.5	33.3	14.5	7.3	3.9	2.1	1.2	0.6	0.3
	2						100.3	96.1	91.2	85.7	81.2	71.8	51.8	33.5	18.3	9.7	5.3	3	1.5	0.8	0.4
	3	1.8	4.3	12.9	40.5	58.6	64.0	63.3	61.4	58.5	50.6	37.8	26.8	17.4	10.2	5.8	3.1	1.7	0.9	0.4	
	4	2.4	5.4	12.3	24.4	35.2	40.3	42.1	41.5	39.3	34.8	26.5	20	13.8	9	5.3	3	1.7	0.9	0.4	
	6	2.1	3.9	6.5	9.9	13.0	15.2	17.0	17.2	16.8	14.8	11.8	9.5	7	4.9	3.1	2	1.2	0.6	0.3	
	8	1.1	1.8	2.6	3.7	4.7	5.5	5.8	6.3	6.1	5.4	4.5	3.7	2.8	2.1	1.4	0.9	0.6	0.3	0.2	
	10	0.4	0.6	0.9	1.2	1.4	1.7	1.9	1.9	1.9	1.7	1.5	1.1	0.9	0.6	0.5	0.3	0.2	0.1	0.1	
CIB X		0	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5								
	1	100.0	101.6	108.0	114.0																
	2	75.4	77.6	82.2	88.9	97.1	108.2														
	3	56.3	57.8	61.9	66.7	74.7	83.2	94.1													
	4	39.6	42.5	44.5	49.2	54.6	61.0	68.0	75.7	77.8											
	6	19.2	20.0	21.3	23.2	25.6	27.2	28.0	26.1	18.7	9.5	4.0	1.6								
	8	8.0	8.3	8.8	9.4	10.0	10.3	10.2	8.6	6.5	4.7	2.7	1.4								
	10	2.9	2.9	3.1	3.2	3.3	3.3	3.3	2.8	2.3	1.8	1.2	0.7								
CIB Y		-9.5	-8.5	-7.5	-6.5	-5.5	-4.5	-3.5	-2.5	-1.5	0	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	
	1								116	110	105	100	95.6	86.5	48.1	13.9	6.1	3.4	1.8	1	0.5
	2						110	100	91.5	85.7	80.4	75.4	69.7	58.4	39.6	20.9	10.5	5.4	2.9	1.4	0.7
	3					96	85.9	76.9	70.1	65.4	60.5	56.3	49.4	41.7	30.9	19.9	11.4	6.4	3.5	1.8	1
	4		78.4	75.9	70.1	62.6	57.2	51.9	48	44.6	39.6	35	29.9	23.4	16.3	10.4	6.2	3.7	2	1.1	

6	9.9	19.3	26.2	28.8	28.4	27.2	25.5	23.8	22.2	19.2	16.5	14.1	11.4	9	6.6	4.3	2.8	1.7	0.9
8	4.7	7	9.3	10.7	11.3	10.9	10.4	10	9.3	8	6.8	6	5	4	2.9	2.1	1.4	0.8	0.5
10	1.8	2.4	3	3.5	3.9	4	3.8	3.4	3.2	2.9	2.3	2.1	1.7	1.3	1.1	0.8	0.6	0.4	0.2

COB X                    0    1.5    2.5    3.5    4.5    5.5    6.5    7.5    8.5    9.5    10.5    11.5

1	100	103	107	113															
2	76.3	79.1	82.4	88.6	96.1														
3	56.6	58.7	62.5	66.8	72.9	80.3													
4	41.3	42.8	45.2	47.9	52.2	56.5	60.4	58	31.2	2.3	0.9	0.4							
6	19.6	20.4	21.2	22.2	23.4	23.5	22.5	18.4	12.4	6.6	2.9	1.2							
8	7.9	8.4	8.8	8.9	9	8.7	8	6.5	5	3.3	1.9	1							
10	2.7	2.8	2.9	3.1	3.1	2.8	2.7	2.2	1.7	1.2	0.7	0.5							

COB Y                    -9.5   -8.5   -7.5   -6.5   -5.5   -4.5   -3.5   -2.5   -1.5   0    1.5    2.5    3.5    4.5    5.5    6.5    7.5    8.5    9.5

1							115	108	104	100	98.4	95.6	74.1	28.1	7	3.7	1.9	1.1	0.5
2				106	97.7	90.5	83.9	80.6	76.3	73.5	67.5	52.9	31.5	15.6	8	3.9	2	0.9	
3			90	81.3	74.1	67.7	64.2	60.2	56.6	54	48.2	40	28.7	18.1	10.5	5.6	2.8	1.3	
4	2.3	31.8	58.7	60.6	57.5	53.6	49.7	47	44.5	41.3	37.6	34.4	29.9	23.2	16.7	10.5	6.3	3.2	1.8
6	6.4	12.8	18.7	23.1	24.7	24.1	23.3	22	21.4	19.6	18.2	16.4	14.4	12.4	9.8	6.9	4.6	2.9	1.6
8	3.2	5.1	7	8.1	9	9.3	9.4	9.1	8.8	7.9	7.2	6.6	5.9	5.2	4.3	3.3	2.2	1.5	0.9
10	1.3	1.9	2.4	2.8	3	3.3	3.2	3.2	2.9	2.7	2.5	2.4	2	1.8	1.4	1.2	0.8	0.6	0.3

COC X                    0    1.5    2.5    3.5    4.5    5.5    6.5    7.5    8.5    9.5    10.5    11.5

1	100	101	105	112															
2	76.3	76.7	81.3	86.7	95.3	105													
3	55.5	58.1	61.7	67.1	73.3	82.3	93.1	107											
4	39.9	41.9	45.4	50.3	55	64.1	72.2	84.2	96.2										
6	20.4	21.3	23.5	26.2	29.6	33.8	39.2	45.5	52.9	58.7	62.1	6.2							
8	9.3	9.6	10.3	11.9	13.7	15.9	18.7	20.2	21.5	21.2	16.7	9.9							
10	3.4	3.5	3.9	4.9	5.5	6.3	7	7.8	7.6	7.1	5.7	4.4							

COC Y                    -11.5   -10.5   -9.5   -8.5   -7.5   -6.5   -5.5   -4.5   -3.5   -2.5   -1.5   0    1.5    2.5    3.5    4.5    5.5    6.5    7.5    8.5    9.5

1								114	106	103	100	95.4	89.4	58.4	21.6	9.9	5.7	3.4	1.9	1.1
2						107	95.8	89.6	82.5	79.6	76.3	70.6	64.1	47.9	29.7	17.9	11	6.6	3.5	1.8
3				107	93.6	83.3	74.5	68.8	63.8	59.1	55.5	51.3	47.1	38.6	29.4	21.2	14.5	9.6	5.9	3.3
4			97.6	83.5	73.4	64.5	57.2	51.3	47.5	44.7	39.9	38.1	35	30.4	26	20	15.6	11	7.8	4.8

6	6.2	61.6	58.7	53	46.1	39.9	35.1	31.4	26.9	24.3	22.8	20.4	18.8	17.4	17.1	15.7	13.8	12.6	10.4	8.4	5.5
8	10.2	17.1	20.7	22	21	18.6	16.5	14.1	12.7	11.2	10.2	9.3	8.2	8.1	7.9	7.9	7.4	7.1	6.2	5.1	4
10	4.3	5.7	7.2	8	8	7.3	6.8	5.4	5.1	4.5	3.9	3.4	3.1	3	3.2	3	3.1	3	2.9	2.4	2