

SUPPLEMENTAL TABLE 1. Volumes of Interest (cm³)
for Analyzed Ocular Tissues

	Scan 1	Scan 2
Retina	0.9±0.3	0.9±0.3
Vitreous humor	0.3±0.1	0.3±0.1
Eye muscle	1.9±0.8	1.7±0.7

Data are given as mean ± SD (*n* = 5)

SUPPLEMENTAL TABLE 2. Outcome Parameters for Retina, Vitreous Humor and Eye Muscle from 2T4K Model and Logan Graphical Analysis

	Retina		Vitreous humor		Eye muscle	
	Scan 1	Scan 2	Scan 1	Scan 2	Scan 1	Scan 2
K_1 (mL/(g·min))	0.044±0.007 (34)	0.064±0.023 (19)*	0.019±0.006 (69)	0.021±0.011 (71)	0.166±0.060 (6)	0.194±0.080 (8)
k_2 (1/min)	0.35±0.12 (103)	0.14±0.07 (73)*	0.48±0.33 (223)	0.28±0.23 (119)	0.18±0.07 (10)	0.26±0.10 (12)
k_3 (1/min)	0.28±0.11 (75)	0.11±0.09 (87)	0.30±0.16 (269)	0.12±0.10 (187)	0.02±0.01 (30)	0.04±0.03 (28)
k_4 (1/min)	0.041±0.016 (38)	0.039±0.022 (42)	0.562±1.117 (189)	0.345±0.715 (501)*	0.030±0.016 (39)	0.044±0.019 (39)
V_T (mL/g)	1.07±0.33 (9)	1.76±0.51 (14)*	0.27±0.11 (19)	0.43±0.15 (32)	1.71±0.47 (9)	1.36±0.25 (3)
V_T Logan (mL/g)	1.03±0.27 (9)	1.54±0.28 (6)*	0.28±0.12 (19)	0.38±0.12 (16)	1.61±0.55 (4)	1.30±0.19 (2)
V_b	0.008±0.008 (179)	0.009±0.002 (80)	0.003±0.002 (69)	0.003±0.001 (142)	0.005±0.003 (49)	0.005±0.006 (7)
AIC	19.8±17.9	13.4±19.1	18.9±8.7	32.8±18.5	9.8±8.0	4.0±19.8

Outcome parameters are given as mean ± SD ($n = 5$). The value in parentheses represents the precision of parameter estimates (expressed as their coefficient of variation in percent), averaged over the study subjects.

K_1 , k_2 , k_3 , k_4 : rate constants for exchange of radioactivity between arterial plasma and ocular tissue compartments; V_T : total distribution volume; V_T Logan: V_T estimated with Logan graphical analysis; V_b : vascular volume fraction; AIC: Akaike information criterion

* $P < 0.05$ for comparison with scan 1 using Wilcoxon signed rank test

SUPPLEMENTAL TABLE 3. Outcome Parameters for Retina, Vitreous Humor and Eye Muscle from 1T2K Model[§]

	Retina		Vitreous humor		Eye muscle	
	Scan 1	Scan 2	Scan 1	Scan 2	Scan 1	Scan 2
K_1 (mL/(g·min))	0.034±0.007 (8)	0.060±0.023 (6)*	0.014±0.004 (26)	0.020±0.012 (18)	0.164±0.055 (4)	0.180±0.074 (5)
k_2 (1/min)	0.11±0.04 (20)	0.09±0.05 (21)	0.14±0.06 (51)	0.16±0.11 (44)	0.16±0.05 (8)	0.20±0.06 (7)
K_1/k_2	0.35±0.13 (14)	0.82 ±0.32 (1)*	0.10±0.03 (1)	0.17±0.14 (1)	1.00±0.19 (1)	0.89±0.18 (1)
V_b	0.010±0.011 (36)	0.009±0.003 (40)	0.004±0.002 (88)	0.002±0.001 (48)	0.004±0.002 (101)	0.007±0.004 (30)
AIC	-10.6±8.9	-9.7±5.6	4.3±7.3	1.1±10.4	-10.7±14.4	-7.5±11.15

[§] PET and blood data from 0-10 min were used for analysis

Outcome parameters are given as mean ± SD ($n = 5$). The value in parentheses represents the precision of parameter estimates (expressed as their coefficient of variation in percent), averaged over the study subjects.

K_1 , k_2 : rate constants for exchange of radioactivity between arterial plasma and ocular tissue compartment; V_b : vascular volume fraction; AIC: Akaike information criterion

* $P < 0.05$ for comparison with scan 1 using Wilcoxon signed rank test