

Table S1. Coefficients for the Models testing MBR in ONH vessels against Mean Deviation and Retinal Nerve Fiber Layer using data from ten rates

	N of Eyes	β	Coefficient	p	Root Mean Square Error of Approximation (RMSEA)	Comparative Fit Index (CFI)	Tucker Lewis Index (TLI)
Model A	345	RNFLT Rate _n predicting MBRv Rate _n	-0.028	0.267	0.089 (CI: 0.082, 0.095)	0.374	0.455
Model B	345	RNFLT Rate _{n-1} predicting MBRv Rate _n	-0.028	0.267	0.089 (CI: 0.082, 0.095)	0.374	0.455
Model C	345	MBRv Rate _n predicting RNFLT Rate _n	-0.056	0.008	0.088 (CI: 0.082, 0.095)	0.380	0.460
Model D	345	MBRv Rate _{n-1} predicting RNFLT Rate _n	0.074	0.001	0.088 (CI: 0.082, 0.095)	0.385	0.464
Model A	345	MD Rate _n predicting MBRv Rate _n	0.085	0.284	0.072 (CI: 0.065, 0.079)	0.575	0.630
Model B	345	MD Rate _{n-1} predicting MBRv Rate _n	0.268	0.001	0.071 (CI: 0.064, 0.078)	0.586	0.639
Model C	345	MBRv Rate _n predicting MD Rate _n	0.012	0.075	0.072 (CI: 0.065, 0.079)	0.577	0.632
Model D	345	MBRv Rate _{n-1} predicting MD Rate _n	0.007	0.313	0.072 (CI: 0.065, 0.079)	0.575	0.630

Table S2. Coefficients for the Models testing MBR in ONH tissues against Mean Deviation and Retinal Nerve Fiber Layer using data from ten rates

	N of Eyes	β	Coefficient	p	Root Mean Square Error of Approximation (RMSEA)	Comparative Fit Index (CFI)	Tucker Lewis Index (TLI)
Model A	345	RNFLT Rate _n predicting MBRT Rate _n	-0.00	0.983	0.099 (CI: 0.093, 0.106)	0.320	0.408
Model B	345	RNFLT Rate _{n-1} predicting MBRT Rate _n	-0.012	0.143	0.099 (CI: 0.093, 0.106)	0.322	0.409
Model C	345	MBRT Rate _n predicting RNFLT Rate _n	-0.107	0.106	0.099 (CI: 0.093, 0.106)	0.323	0.4110
Model D	345	MBRT Rate _{n-1} predicting RNFLT Rate _n	0.214	0.001	0.099 (CI: 0.092, 0.105)	0.330	0.416
Model A	345	MD Rate _n predicting MBRT Rate _n	0.010	0.695	0.075 (CI: 0.069, 0.082)	0.551	0.608
Model B	345	MD Rate _{n-1} predicting MBRT Rate _n	0.040	0.122	0.075 (CI: 0.068, 0.082)	0.553	0.611
Model C	345	MBRT Rate _n predicting MD Rate _n	0.003	0.874	0.075 (CI: 0.069, 0.082)	0.551	0.608
Model D	345	MBRT Rate _{n-1} predicting MD Rate _n	0.042	0.051	0.075 (CI: 0.068, 0.082)	0.555	0.612