

Table S2 Global sensitivity analysis results for lacuna count.

\hat{p}	11	12	13
Variance data	15.8651	15.8651	15.8651
Variance PCE	15.5295	15.9661	16.7974
$S(\lambda_c)$	0.0075	0.0074	0.0070
$S(D)$	0.7120	0.7130	0.7187
$S(\lambda_A)$	0.0129	0.0125	0.0119
$S(J_{\text{cell,cell}})$	0.0418	0.0407	0.0387
$S(\lambda_c, D)$	0.0579	0.0570	0.0552
$S(\lambda_c, \lambda_A)$	0.0043	0.0043	0.0041
$S(\lambda_c, J_{\text{cell,cell}})$	0.0144	0.0145	0.0143
$S(D, \lambda_A)$	0.0350	0.0347	0.0348
$S(D, J_{\text{cell,cell}})$	0.0533	0.0521	0.0501
$S(\lambda_A, J_{\text{cell,cell}})$	0.0050	0.0048	0.0046
$S(\lambda_c, D, \lambda_A)$	0.0289	0.0315	0.0331
$S(\lambda_c, D, J_{\text{cell,cell}})$	0.0222	0.0232	0.0236
$S(\lambda_c, \lambda_A, J_{\text{cell,cell}})$	0.0118	0.0131	0.0142
$S(D, \lambda_A, J_{\text{cell,cell}})$	0.0086	0.0094	0.0100