Supplementary Table S1. Top 10 connectivity-informed topological hubs ranked by correlation with the gradient alteration pattern.

Rank	Region Name	Parcel	Network	Correlation (r)
1	RH SomMot 13	243	SMN	0.431
2	LH SalVentAttn FrOperIns 8	104	VAN	0.423
3	RH SomMot 24	254	SMN	0.408
4	RH SalVentAttn Med 2	312	VAN	0.407
5	LH SomMot 8	39	SMN	0.404
6	LH SalVentAttn Med 2	108	VAN	0.397
7	LH SomMot 25	56	SMN	0.396
8	RH SomMot 14	244	SMN	0.391
9	LH SomMot 18	49	SMN	0.376
10	RH SomMot 6	236	SMN	0.355

This table lists the cortical parcels whose normative functional connectivity profiles showed the strongest Spearman correlations with the PACG-related FCG abnormality map. Higher correlation coefficients indicate stronger spatial correspondence between the parcel's intrinsic connectivity pattern and the whole-brain distribution of disease-related gradient alterations, suggesting candidate topological hubs rather than causal disease origins.

Abbreviations: PACG, primary angle-closure glaucoma; FCG, functional connectivity gradient; FC, functional connectivity; SMN, somatomotor network; VAN, ventral attention/salience network; LH, left hemisphere; RH, right hemisphere; SalVentAttn, salience/ventral attention network; FrOperIns, frontal operculum/insula; Med, medial cortex; SomMot, somatomotor network.