

Table S1 The dynamic degree centrality difference in CTN patients among different time points with the step size of 5 TRs (10 s).

Brain region	Side	Peak MNI coordinates			Cluster size (voxels)	Peak intensity	F value	P value	Post hoc P value		
		X	Y	Z					Baseline vs 5 s	Baseline vs 30 min	5 s vs 30 min
		LING	R	9					-48	0	154

MNI, Montreal Neurological Institute; Baseline, the rs-fMRI was performed before stimulating the trigger zone; 5 s, the rs-fMRI was performed within 5 s after stimulating the trigger zone; 30 min, the rs-fMRI was performed in the 30th minute after stimulating the trigger zone; LING.R, right lingual; right; l; R

Table S2. The dynamic degree centrality value (step size of 5 TRs (10 s)) in CTN patients in different time points.

Brain region	Side	dDC value		
		Baseline	5s	30min
LING	R	0.161 ± 0.046	0.173 ± 0.079	0.199 ± 0.078

CTN, classical trigeminal neuralgia; dDC, dynamic degree centrality; Baseline, the rs-fMRI was performed before stimulating the trigger zone; 5 s, the rs-fMRI was performed within 5 s after stimulating the trigger zone; 30 min, the rs-fMRI was performed in the 30th minute after stimulating the trigger zone; LING, lingual; R, right.

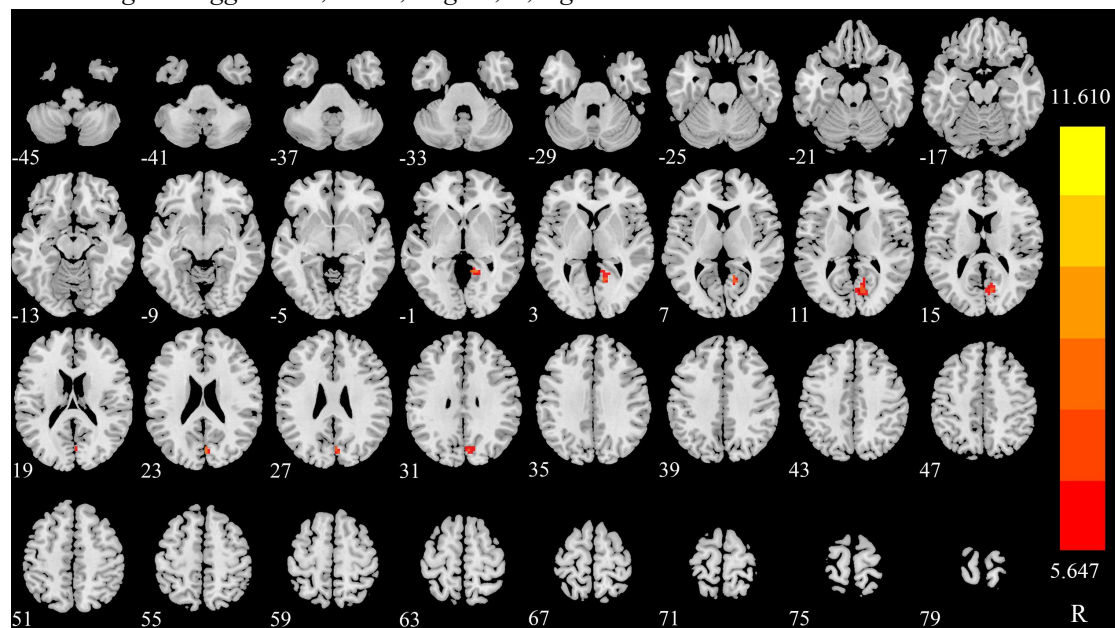


Figure S1. Significant differences in dDC among different times in patients with CTN. dDC, Dynamic degree centrality; CTN, classical trigeminal neuralgia.

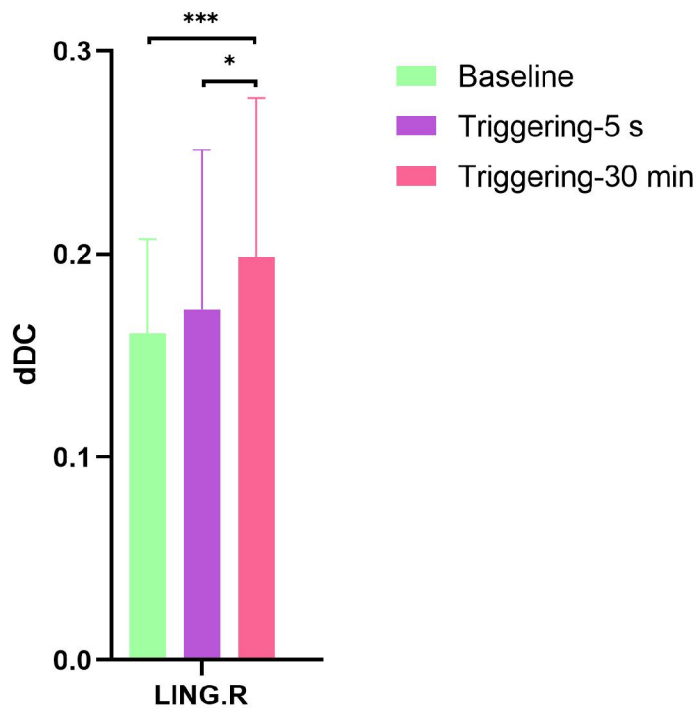


Figure S2. *Post hoc* comparisons of analysis of variance. The connection between two bars represents significant between-time differences of dDC (*represents significant level $P < 0.05$, **denotes significant level $P < 0.01$, and *** indicates significant level $P < 0.001$, Bonferroni correction). dDC, Dynamic degree centrality; baseline, the rs-fMRI was performed before stimulating the trigger zone; triggering-5 s, the rs-fMRI was performed within 5 s after stimulating the trigger zone; triggering-30 min, the rs-fMRI was performed in the 30th minute after stimulating the trigger zone; LING.R, right lingual.

Table S3 The sDC and dDC values in CTN patients among different time points.

Method	Brain region	Side	value		
			Baseline	5s	30min
sDC	CAU	R	0.865 ± 0.134	1.036 ± 0.199	0.904 ± 0.208
	FFG	R	0.991 ± 0.179	1.243 ± 0.307	1.156 ± 0.332
	MTG	R	0.851 ± 0.099	1.018 ± 0.168	0.858 ± 0.138
	ORBmid	R	1.050 ± 0.169	1.267 ± 0.223	1.171 ± 0.199
	SFG	R	0.674 ± 0.148	0.566 ± 0.151	0.621 ± 0.161
	SFG	L	0.703 ± 0.187	0.585 ± 0.167	0.670 ± 0.214
	dDC*	LING	R	0.160 ± 0.046	0.171 ± 0.078

*sDC, static degree centrality; dDC, Dynamic degree centrality; Baseline, the rs-fMRI was performed before stimulating the trigger zone; 5 s, the rs-fMRI was performed within 5 s after stimulating the trigger zone; 30 min, the rs-fMRI was performed in the 30th minute after stimulating the trigger zone; sDC, static degree centrality; dDC, dynamic degree centrality; CAU, caudate nucleus; FFG, fusiform gyrus; MTG, middle temporal gyrus; ORBmid, middle frontal gyrus, orbital part; SFG, superior frontal gyrus; LING, lingual; R, right; L, left. *step size of 2 TRs (4 s) of dDC in different time.*