

Functional Connectivity Results

1. the sphere peak at [-33, -42, 12], radius = 10 mm

TABLE: Brain regions with significantly different functional connectivity values between the dance group and control group.

Brain regions	Side	BA	MNI coordinates			Cluster size	<i>t</i> value
			x	y	z		
Inferior parietal gyrus	L	7	-21	-54	36	72	-4.84
Middle occipital gyrus	L	7	-21	-54	36	72	-4.84

Notes: BA, Brodmann area; MNI, Montreal Neurological Institute; L, left; R, right.

2. the sphere peak at [-51, -18, -30], radius = 10 mm

TABLE: Brain regions with significantly different functional connectivity values between the dance group and control group.

Brain regions	Side	BA	MNI coordinates			Cluster size	<i>t</i> value
			x	y	z		
Superior frontal gyrus	L	6	-15	3	75	61	-5.46
Middle occipital gyrus	L	37	-45	-51	-21	117	-5.41
Postcentral gyrus	R	2	15	-39	75	69	-5.11
Rolandic operculum gyrus	R	42	69	-12	15	73	-4.77

Notes: BA, Brodmann area; MNI, Montreal Neurological Institute; L, left; R, right.

3. the sphere peak at [45, 27, 15], radius = 10 mm

TABLE: Brain regions with significantly different functional connectivity values between the dance group and control group.

Brain regions	Side	BA	MNI coordinates			Cluster size	<i>t</i> value
			x	y	z		
Superior parietal gyrus	L	7	-24	-54	54	80	-6.42
Middle occipital gyrus	L	19	-39	-57	-9	977	-5.88
Fusiform gyrus	L	37	-39	-57	-9	977	-5.88
cerebellum	L	37	-39	-57	-9	977	-5.88
Fusiform gyrus	R	37	-39	-57	-9	977	-5.88
cerebellum	R	37	-39	-57	-9	977	-5.88
Superior occipital gyrus	R	19	15	-93	27	59	-5.10

Notes: BA, Brodmann area; MNI, Montreal Neurological Institute; L, left; R, right.

4. the sphere peak at [36, -69, -6], radius = 10 mm

TABLE: Brain regions with significantly different functional connectivity values between the dance group and control group.

Brain regions	Side	BA	MNI coordinates			Cluster size	<i>t</i> value
			x	y	z		
Insula	R	13	18	-15	24	86	-6.23
Lingual gyrus	R	18	30	-99	-12	249	-5.56
Inferior frontal gyrus	L	47	-48	27	-9	140	-5.55
Medial frontal gyrus	L	9	-3	48	54	205	-5.28
Lingual gyrus	L	18	-24	-96	-15	106	-5.27
Inferior temporal gyrus	L	20	-57	0	-27	90	-5.08
Inferior frontal gyrus	R	47	42	27	-6	78	-5.07
Middle temporal gyrus	R	38	54	12	-33	74	-4.93

Notes: BA, Brodmann area; MNI, Montreal Neurological Institute; L, left; R, right.

5. the sphere peak at [-27, 3, 39], radius = 10 mm

TABLE: Brain regions with significantly different functional connectivity values between the dance group and control group.

Brain regions	Side	BA	MNI coordinates			Cluster size	<i>t</i> value
			x	y	z		
Superior frontal gyrus	L	10	-6	60	33	521	-6.76
Medial frontal gyrus	L	10	-6	60	33	521	-6.76
Cerebellum	L	19	-36	-78	-21	956	-5.21
Cerebellum	R	19	-36	-78	-21	956	-5.21

Notes: BA, Brodmann area; MNI, Montreal Neurological Institute; L, left; R, right.