	TIMEPOINT	baseline	day 1		day 3		day 7		day 15		day 30		day 60		STATISTIC
	GROUP		sham	nGVS	sham	nGVS	sham	nGVS	sham	nGVS	sham	nGVS	sham	nGVS	factor timepoint factor group
HEMISPHERIC SENSOR NETWORKS	olfactory	104.3 (6.4)	100.5 (4.8)	103.0 (4.0)	98.8 (4.2)	102.4 (5.0)	101.2 (6.6)	101.2 (3.6)	99.8 (10.8)	99.3 (5.7)	102.4 (2.7)	98.2 (3.3)	100.6 (3.6)	100.4 (5.1)	p = 0.664 p = 0.721
	auditory	112.1 (2.6)	115.5 (3.8)	112.4 (3.7)	111.8 (5.7)	110.3 (4.5)	112.3 (7.6)	105.9 (6.6)	109.8 (5.5)	108.2 (3.3)	110.3 (3.7)	108.9 (4.5)	106.6 (4.8)	108.0 (3.9)	**p = 0.004** p = 0.211
	insular c.	113.0 (5.2)	118.3 (3.3)	121.2 (4.9)	119.1 (4.4)	120.4 (5.6)	119.9 (4.9)	122.6 (4.3)	122.9 (4.4)	116.1 (5.3)	119.6 (3.8)	119.4 (6.3)	116.3 (8.5)	120.3 (5.1)	**p < 0.001** p = 0.395
	somato- sensory c.	112.1 (3.3)	121.0 (4.4)	123.6 (4.8)	121.2 (2.5)	124.9 (4.1)	124.8 (6.4)	128.9 (2.0)	123.8 (3.7)	120.5 (5.2)	118.7 (3.1)	126.2 (4.6)	113.2 (8.8)	118.2 (3.9)	**p < 0.001** **p = 0.004**
	parietal c.	109.5 (3.0)	118.8 (3.3)	117.0 (4.5)	116.2 (4.3)	117.9 (3.9)	119.5 (7.2)	112.7 (5.0)	116.0 (9.4)	113.0 (5.0)	114.8 (2.0)	115.1 (4.2)	106.9 (13.4)	109.0 (6.7)	**p < 0.001** p = 0.274
	visual c.	109.6 (3.2)	117.0 (4.1)	113.6 (4.8)	113.8 (4.5)	112.5 (5.3)	112.5 (7.4)	107.0 (6.5)	109.5 (12.6)	111.4 (4.0)	113.2 (4.8)	109.6 (5.5)	107.7 (10.7)	109.5 (6.2)	**p = 0.041** p = 0.527
	lateral thalamus	119.4 (6.1)	124.4 (3.8)	127.9 (5.7)	118.5 (7.8)	127.0 (5.3)	128.1 (7.5)	127.2 (8.1)	126.6 (4.9)	123.8 (7.5)	131.0 (8.1)	128.1 (5.6)	129.3 (7.2)	127.2 (9.8)	**p = 0.001** p = 0.305
HEMISPHERIC MOTOR NETWORKS	orbito- frontal c.	120.7 (7.8)	125.9 (4.0)	127.3 (7.0)	123.5 (3.4)	127.3 (7.0)	119.5 (2.6)	124.9 (7.2)	123.4 (6.7)	124.8 (6.5)	124.2 (3.2)	120.4 (4.3)	119.4 (11.1)	125.0 (7.0)	**p = 0.004** p = 0.121
	medial pre- frontal c.	127.5 (5.7)	137.2 (7.7)	138.2 (5.0)	135.2 (6.2)	136.4 (5.8)	131.3 (5.4)	133.3 (5.2)	132.6 (6.6)	134.6 (4.6)	132.3 (7.6)	128.8 (2.9)	124.2 (5.1)	132.5 (6.6)	**p < 0.001** **p = 0.015**
	frontal association c.	109.4 (7.1)	108.5 (7.2)	109.1 (4.3)	104.5 (7.6)	111.2 (7.0)	100.6 (5.3)	110.7 (8.0)	108.3 (7.0)	113.7 (6.8)	113.4 (4.9)	111.5 (7.4)	101.7 (17.2)	112.2 (11.2)	p = 0.069 **p = 0.005**
	motor c.	117.1 (3.2)	120.9 (2.8)	124.2 (4.2)	121.3 (3.9)	126.2 (3.2)	121.0 (3.7)	128.7 (4.6)	123.0 (4.3)	124.1 (4.5)	122.9 (3.4)	127.3 (5.6)	110.2 (14.8)	122.9 (4.2)	**p < 0.001** **p < 0.001**
	striatum	121.2 (4.3)	128.4 (4.1)	134.3 (5.6)	129.0 (3.3)	133.2 (4.6)	132.6 (7.7)	138.7 (4.6)	127.8 (4.9)	126.5 (3.9)	125.1 (5.0)	134.4 (6.0)	123.0 (4.0)	131.2 (5.2)	**p < 0.001** **p < 0.001**
LIMBIC NETWORKS	accumbens	116.5 (6.8)	117.6 (3.6)	124.4 (5.3)	114.1 (6.5)	122.6 (7.8)	119.4 (9.6)	121.3 (5.1)	114.1 (6.5)	122.6 (7.8)	119.4 (9.6)	121.3 (5.1)	114.0 (6.5)	114.6 (4.5)	**p = 0.001** **p = 0.015**
	amygdala	97.8 (2.4)	97.8 (3.4)	100.2 (4.4)	98.9 (2.3)	100.8 (4.7)	100.4 (4.0)	100.6 (6.3)	96.5 (3.5)	98.3 (4.0)	98.1 (2.6)	99.4 (4.1)	97.1 (4.5)	102.4 (1.6)	p = 0.139 p = 0.171
	entorhinal c.	103.9 (2.7)	107.6 (3.7)	108.0 (2.9)	107.4 (5.2)	108.3 (3.9)	110.5 (3.5)	108.5 (3.9)	107.8 (3.7)	105.5 (3.6)	107.5 (4.3)	108.4 (5.6)	104.6 (3.5)	108.6 (6.3)	**p = 0.044** p = 0.481
	ad. hippocampus	104.5 (3.3)	109.2 (2.4)	107.0 (3.8)	109.0 (2.7)	108.6 (3.2)	106.4 (2.7)	106.3 (4.0)	107.2 (4.5)	106.6 (3.9)	110.3 (2.5)	105.2 (4.0)	108.9 (2.8)	108.6 (3.7)	p = 0.059 p = 0.806
	p. hippocampus	99.7 (8.1)	99.7 (3.8)	95.7 (4.8)	98.4 (6.4)	99.4 (5.4)	95.4 (5.7)	90.0 (5.5)	97.4 (5.4)	96.6 (4.8)	101.5 (2.7)	94.6 (6.1)	99.3 (5.4)	99.3 (7.1)	**p = 0.008** p = 0.177
	cingulate	125.8 (4.4)	131.4 (8.2)	136.3 (6.6)	135.1 (4.8)	138.0 (3.2)	132.7 (5.5)	140.6 (5.8)	136.4 (5.1)	135.7 (4.4)	133.9 (8.4)	139.3 (7.9)	124.3 (8.4)	134.8 (4.9)	**p < 0.001** **p < 0.001**
	retrosplenial c.	109.1 (6.6)	109.5 (4.6)	108.8 (3.8)	111.0 (4.8)	112.4 (3.4)	112.4 (5.8)	111.8 (6.6)	110.7 (9.2)	112.3 (4.9)	114.0 (4.5)	112.6 (4.4)	109.6 (5.9)	115.1 (5.4)	p = 0.343 **p = 0.021**
BRAINSTEM-CEREBELLAR NETWORKS	cerebellar g.m.	94.8 (1.9)	93.6 (5.3)	92.7 (4.6)	90.3 (2.0)	89.8 (5.2)	91.3 (5.3)	90.0 (4.0)	92.0 (5.5)	91.8 (5.0)	95.8 (2.7)	89.8 (7.4)	99.7 (5.9)	93.1 (5.9)	**p = 0.011** **p < 0.001**
	cerebellar w.m.	107.5 (4.9)	110.2 (6.0)	106.9 (6.2)	103.6 (3.6)	103.0 (6.3)	106.3 (7.9)	104.8 (3.2)	105.7 (6.3)	105.0 (5.5)	107.8 (3.7)	102.7 (7.8)	111.8 (4.9)	106.0 (6.9)	p = 0.053 **p = 0.004**
	v. tegmental area	106.3 (5.7)	108.3 (4.5)	107.4 (7.5)	113.4 (6.3)	108.1 (6.1)	105.5 (4.4)	106.1 (7.6)	109.3 (4.0)	108.8 (4.1)	107.5 (3.0)	105.8 (7.7)	110.1 (3.6)	111.1 (7.1)	p = 0.259 p = 0.803
	colliculus superior	119.3 (5.7)	112.8 (4.8)	112.2 (5.3)	114.7 (2.1)	110.7 (5.8)	110.4 (6.1)	110.5 (3.7)	111.7 (6.5)	115.2 (2.3)	113.3 (2.6)	109.6 (6.6)	114.4 (5.9)	114.3 (5.0)	**p = 0.005** p = 0.277
	colliculus inferior	127.8 (6.6)	108.5 (4.5)	104.5 (4.3)	108.7 (2.4)	105.3 (6.8)	104.5 (4.6)	103.7 (4.4)	105.8(6.5)	106.5 (4.5)	106.7 (2.7)	102.4 (5.9)	109.7 (5.2)	110.2 (4.0)	**p < 0.001** **p = 0.006**
	pons	99.3 (4.1)	95.2 (4.6)	88.6 (4.9)	95.4 (5.0)	91.1 (6.0)	92.5 (5.9)	92.4 (4.4)	96.9 (6.1)	91.8 (3.7)	92.9 (3.1)	87.1 (4.5)	93.5 (6.2)	91.0 (4.6)	**p = 0.002** **p = 0.043**
	vestibular nucleus	116.7 (4.4)	105.1 (6.2)	98.6 (6.2)	105.0 (5.8)	101.5 (7.6)	100.9 (10.9)	100.4 (5.8)	105.3 (5.2)	103.0 (4.5)	102.4 (4.1)	96.4 (6.3)	105.7 (8.8)	99.5 (5.4)	**p < 0.001** **p = 0.009**

Suppl. Table 1: Descriptive statistics (mean ± SD) and statistical comparisons of changes in mean normalized levels of brain activity in 26 selected brain regions measured by [^{18}F]-FDG-PET.