

# Compensatory Functional Reorganization May Precede Hypertension-Related Brain Damage and Cognitive Decline: a functional Magnetic Resonance Imaging Study

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## Supplemental Digital Content 2

Table. Direct coordinates and anatomical labels of the clusters, which BOLD response was related to subjects' WHR or BMI values presented in alphabetical order. Labels based on the Automated Anatomical Labelling software.

Anatomical region	x	y	z	Z	No. of voxels
LH Amygdala	-28	0	-18	4.86	2
LH Anterior cingulate and paracingulate gyri	-4	38	6	5.58	3
LH Anterior cingulate and paracingulate gyri	-8	28	-6	5.10	1
LH Calcarine fissure and surrounding cortex	-16	-78	12	6.07	75
LH Inferior frontal gyrus, opercular part	-34	8	24	5.74	59
LH Inferior frontal gyrus, orbital part	-46	14	-6	5.06	7
LH Inferior frontal gyrus, orbital part	-38	40	-8	5.01	2
LH Inferior frontal gyrus, triangular part	-44	12	28	4.88	2
LH Inferior frontal gyrus, triangular part	-38	24	24	4.82	1
LH Inferior parietal, but supramarginal and angular gyri	-40	-46	48	5.71	43
LH Inferior parietal, but supramarginal and angular gyri	-58	-40	38	4.85	1
LH Inferior temporal gyrus	-52	-56	-12	4.86	2
LH Lingual gyrus	-20	-44	-8	5.23	6
LH Middle frontal gyrus	-32	42	14	6.06	13
LH Middle occipital gyrus	-34	-68	6	5.69	15
LH Middle occipital gyrus	-44	-72	6	5.08	7
LH Middle temporal gyrus	-50	-70	18	5.45	12
LH Middle temporal gyrus	-60	-42	4	5.03	7
LH Middle temporal gyrus	-60	-8	-8	4.94	5
LH Middle temporal gyrus	-58	-58	4	4.92	2
LH Precentral gyrus	-32	-18	58	5.47	16

LH Precentral gyrus	-42	-2	20	4.87	2
LH Precentral gyrus	-34	-20	50	4.84	1
LH Rolandic operculum	-52	-18	20	6.34	147
LH Superior frontal gyrus, dorsolateral part	-18	64	10	6.02	14
LH Superior frontal gyrus, dorsolateral part	-20	6	68	5.41	8
LH Superior frontal gyrus, dorsolateral part	-18	52	12	4.81	2
LH Superior frontal gyrus, dorsolateral part	-18	54	2	4.83	1
LH Superior frontal gyrus, medial	2	54	30	4.92	2
LH Superior frontal gyrus, medial	-12	56	2	5.22	1
LH Superior occipital gyrus	-14	-92	10	5.91	20
LH Superior parietal gyrus	-18	-78	48	5.46	5
LH Superior temporal gyrus	-54	4	-12	5.54	27
LH Superior temporal gyrus	-54	-36	22	5.59	16
LH Superior temporal gyrus	-46	-12	0	4.86	2
LH Superior temporal gyrus	-42	-42	8	4.82	2
RH Anterior cingulate and paracingulate gyri	10	34	14	5.36	2
RH Calcarine fissure and surrounding cortex	24	-78	10	6.10	35
RH Calcarine fissure and surrounding cortex	2	-82	12	5.44	31
RH Calcarine fissure and surrounding cortex	18	-78	12	4.91	1
RH Caudate nucleus	20	26	-8	5.83	8
RH Cuneus	4	-94	10	5.58	2
RH Hippocampus	20	-8	-20	4.88	1
RH Inferior frontal gyrus, opercular part	36	10	26	5.51	15
RH Inferior frontal gyrus, triangular part	44	26	26	4.81	1
RH Insula	48	12	-4	5.36	5
RH Lingual gyrus	26	-74	0	4.91	1
RH Middle temporal gyrus	58	-44	-6	5.32	13
RH Postcentral gyrus	28	-44	72	5.43	6
RH Precentral gyrus	42	-2	48	5.67	31
RH Precentral gyrus	36	-12	60	5.58	17
RH Precuneus	16	-46	6	5.49	13
RH Superior frontal gyrus, dorsolateral part	22	10	42	5.71	9
RH Superior frontal gyrus, dorsolateral part	26	-12	60	5.15	6

RH Superior frontal gyrus, dorsolateral part	18	60	2	5.08	6
RH Superior frontal gyrus, medial	10	60	4	5.10	2
RH Superior frontal gyrus, medial orbital	12	60	-2	5.46	2
RH Superior temporal gyrus	62	-26	2	5.57	10
RH Superior temporal gyrus	58	-2	-10	4.80	1
RH Supramarginal gyrus	48	-42	26	4.89	2
Unidentified	-20	10	34	6.32	36
Unidentified	28	-26	6	5.99	35
Unidentified	26	36	18	7.56	25
Unidentified	0	28	10	6.29	23
Unidentified	-10	20	22	5.77	9
Unidentified	36	-38	10	5.37	8
Unidentified	-18	16	24	5.62	7
Unidentified	-18	42	18	5.89	5
Unidentified	-40	-40	6	5.32	4
Unidentified	-28	-58	4	5.25	4
Unidentified	46	-46	10	5.32	3
Unidentified	20	-14	52	5.15	3
Unidentified	-30	-30	0	5.14	3
Unidentified	26	28	2	5.11	2
Unidentified	10	-2	-2	4.90	2
Unidentified	8	4	26	5.25	1
Unidentified	16	44	-12	5.12	1
Unidentified	-18	2	32	4.98	1
Unidentified	26	8	34	4.89	1
Unidentified	10	6	28	4.85	1
Unidentified	-28	0	-10	4.81	1

$p < 0.05$  FWE corrected at voxel level with no minimum cluster threshold, x, y, z are MNI coordinates of the most significant center of the activation within the activated cluster. Z=z-value, LH=left hemisphere, RH=right hemisphere