

Supplementary Table 1: MNI coordinates and respiratory outcome for stimulated sites shown in Fig. 6

Patient Number	MNI _x	MNI _y	MNI _z	Electrode and Contact Number	Result
P381	-16.03	-0.95	-22.28	Left Amygdala 1	Apnea
	-19.46	-0.37	-22.41	Left Amygdala 2	
	-19.46	-0.37	-22.41	Left Amygdala 2	Transient Apnea
	-23.49	-0.2	-22.63	Left Amygdala 3	
	-23.49	-0.2	-22.63	Left Amygdala 3	No Apnea
	-27.61	-0.16	-22.97	Left Amygdala 4	
	-27.61	-0.16	-22.97	Left Amygdala 4	No Apnea
	-32.42	0.07	-23.21	Left Amygdala 5	
	-32.42	0.07	-23.21	Left Amygdala 5	No Apnea
-36.29	-1.02	-23.29	Left Amygdala 6		
P395	-10.27	-1.81	-22.19	Left Amygdala 1	No Apnea
	-12.29	-2.13	-21.24	Left Amygdala 2	
	-12.29	-2.13	-21.24	Left Amygdala 2	Apnea
	-14.56	-2.41	-20.51	Left Amygdala 3	
	-14.56	-2.41	-20.51	Left Amygdala 3	Apnea
	-16.69	-2.84	-19.78	Left Amygdala 4	
	-16.69	-2.84	-19.78	Left Amygdala 4	Apnea
	-19.52	-3.19	-19.65	Left Amygdala 5	
	-22.42	-3.52	-19.95	Left Amygdala 6	Apnea
	-22.42	-3.52	-19.95	Left Amygdala 6	
	-25.08	-4.06	-20.26	Left Amygdala 7	Transient Apnea
	-25.08	-4.06	-20.26	Left Amygdala 7	
	-27.49	-4.43	-20.41	Left Amygdala 8	Transient Apnea
	-27.49	-4.43	-20.41	Left Amygdala 8	
	-22.25	-32.46	-10.59	Left Hippocampus 1	No Apnea
	-27.32	-31.01	-10.14	Left Hippocampus 2	
-27.32	-31.01	-10.14	Left Hippocampus 2	No Apnea	
-32.91	-29.9	-9.33	Left Hippocampus 3		
P407	16.28	-6.57	-21.27	Right Amygdala 4	Apnea
	18.73	-6.58	-21.15	Right Amygdala 5	
P412	-23.13	0.08	-23.05	Left Amygdala 1	Transient Apnea
	-25.7	-0.41	-22.57	Left Amygdala 2	
	-37.79	-1.55	-21.3	Left Amygdala 7	No Apnea
	-40.38	-1.69	-21.12	Left Amygdala 8	
P422	15.12	-3.89	-24.38	Right Amygdala 3	Apnea
	18.15	-4.53	-23.87	Right Amygdala 4	
	18.15	-4.53	-23.87	Right Amygdala 4	Apnea
	21.48	-4.98	-23.43	Right Amygdala 5	
	21.48	-4.98	-23.43	Right Amygdala 5	Apnea
	24.6	-5.1	-22.99	Right Amygdala 6	
	24.6	-5.1	-22.99	Right Amygdala 6	Transient Apnea
	27.41	-5.07	-22.46	Right Amygdala 7	
	25.43	-18.21	-18.26	Right Hippocampus 2	No Apnea
30.78	-18.77	-17.83	Right Hippocampus 3		
P427	14.75	-8.42	-19.09	Right Amygdala 2	Apnea
	17.15	-9.04	-18.52	Right Amygdala 3	

	-14.66	-6.42	-23.38	Left Amygdala 3	Apnea
	-16.93	-6.78	-23.23	Left Amygdala 4	
	-16.93	-6.78	-23.23	Left Amygdala 4	Apnea
	-19.22	-7.17	-23.04	Left Amygdala 5	
	-19.22	-7.17	-23.04	Left Amygdala 5	Transient Apnea
	-21.51	-7.51	-22.84	Left Amygdala 6	
	14.64	-13.65	-22.29	Left Hippocampus 1	No Apnea
	20.68	-14.38	-20.99	Left Hippocampus 2	
	20.68	-14.38	-20.99	Left Hippocampus 2	No Apnea
26.21	-15.21	-20.12	Left Hippocampus 3		
P447	-13.12	-11.26	-18.16	Left Amygdala 1	No Apnea
	-15.86	-10.92	-17.51	Left Amygdala 2	
	-15.86	-10.92	-17.51	Left Amygdala 2	Transient Apnea
	-18.7	-10.51	-17.02	Left Amygdala 3	
	-18.7	-10.51	-17.02	Left Amygdala 3	Apnea
	-21.66	-9.73	-16.7	Left Amygdala 4	
	-21.66	-9.73	-16.7	Left Amygdala 4	No Apnea
	-24.66	-8.64	-16.52	Left Amygdala 5	
	-24.66	-8.64	-16.52	Left Amygdala 5	No Apnea
	-27.56	-7.67	-16.52	Left Amygdala 6	
	-27.56	-7.67	-16.52	Left Amygdala 6	No Apnea
	-30.29	-7.06	-16.78	Left Amygdala 7	
	14.34	0.41	-17.71	Right Amygdala 1	Apnea
	17.18	0.67	-17.22	Right Amygdala 2	
	17.18	0.67	-17.22	Right Amygdala 2	Apnea
	19.93	1.05	-16.92	Right Amygdala 3	
	19.93	1.05	-16.92	Right Amygdala 3	No Apnea
	22.4	1.6	-16.82	Right Amygdala 4	
	22.4	1.6	-16.82	Right Amygdala 4	No Apnea
	24.67	2.29	-16.95	Right Amygdala 5	
	24.67	2.29	-16.95	Right Amygdala 5	No Apnea
	27.12	2.95	-17.47	Right Amygdala 6	
	27.12	2.95	-17.47	Right Amygdala 6	No Apnea
29.83	3.64	-18.31	Right Amygdala 7		
-24.03	-30.72	-8.64	Left Hippocampus 1	No Apnea	
-29.88	-29.2	-9.5	Left Hippocampus 2		
P466	-16.31	-2.81	-21.26	Left Amygdala 1	Apnea
	-18.47	-2.88	-21.68	Left Amygdala 2	
	-29.16	-2.21	-23.2	Left Amygdala 7	No Apnea
	-31.42	-1.44	-23.34	Left Amygdala 8	
	19.87	-5.47	-21.55	Right Amygdala 1	Apnea
	22.38	-5.45	-21.77	Right Amygdala 2	
	23.74	-25.97	-15.29	Right Hippocampus 1	No Apnea
	28.06	-24.08	-14.75	Right Hippocampus 2	

Supplementary Table 2: Overlap of transient apnea and apnea (**AIR site**) regions with amygdala nuclei

Amygdala nucleus	Proportion of nucleus contained in Transient Apnea region	Proportion of nucleus contained in Apnea region (AIR site)
AAA	0	0
ASTA	0	0
ATA	0	0.729
BL*	0.269	0.475
BM	0	0.367
CEN	0	0
CMN	0	0.335
La	0.227	0
Other**	0.015	0

Values are the proportion of the given amygdala nucleus volume, indicated by row, overlapping the given transient apnea and apnea subregion volume, indicated by column. Volumes are obtained by thresholding the respective probability maps at 0.5. Area "BL" (*) consists of CIT labeled regions "BLN_BLD+BLI" and "AMY_BL_BLV." Area "Other" (**) is CIT labeled region "AMY"