Supplemental Table 1. Participant Demographics and Behavioral Performance Data

	Males *n = 21* mean (SD)	**Females** *n = 19* mean (SD)	***p***
Age (range)	39 (18-65)	38 (19-65)	0.87
Education	16 (2)	16 (2)	0.55
Premorbid Intellectual Functioning*	115 (8)	114 (12)	0.80
SLLT % Accuracy Recall Primacy	43 (13)	46 (14)	0.37
SLLT % Accuracy Recall Middle	31 (11)	39 (12)	0.03^
SLLT % Accuracy Recall Recency	33 (10)	37 (13)	0.21
SLLT % Accuracy Total Recall	36 (10)	41 (12)	0.12
SLLT % Accuracy Recognition	60 (11)	64 (14)	0.36
CVLT-II Trial 1 %Recall Primacy	62 (25)	73 (22)	0.27
CVLT-II Trial 1 %Recall Middle	30 (19)	38 (20)	0.34
CVLT-II Trial 1 %Recall Recency	54 (24)	55 (23)	0.73
CVLT-II Long Delay %Free Recall	80 (18)	83 (16)	0.60
CVLT-II Long Delay %Cued Recall	84 (15)	85 (14)	0.84
CVLT-II Recognition Discrimination	15 (1)	16 (1)	0.22
CVLT-II Semantic Clustering	2 (2)	2 (3)	0.89
Trails A Time	23 (6)	21 (6)	0.28
Trails B Time	52 (16)	53 (12)	0.91
PGNG % Go Accuracy	95 (5)	94 (4)	0.70
PGNG % Correct Inhibitions	75 (10)	79 (14)	0.36
PGNG Reaction Time	475 (38)	439 (49)	**0.02**
WCST % Correct	81 (11)	77 (17)	0.40
WCST Perseverative Errors	10 (8)	13 (17)	0.48

*Measured using the Shipley Institute of Living Scale-Vocabulary Test. ^ $p < .05$

Supplemental Table 2. Correlations between SLLT and CVLT-II Performance and Educational and Intellectual Achievement

	Education	**Intellectual Functioning**[1]
SLLT % Accuracy Recall Primacy	-0.06	0.42*
SLLT % Accuracy Recall Middle	0.14	0.25
SLLT % Accuracy Recall Recency	0.11	0.18
SLLT % Accuracy Total Recall	0.06	0.31
SLLT % Accuracy Recognition	0.08	0.54**
CVLT-II Trial 1 % Recall Primacy	0.19	0.14
CVLT-II Trial 1 % Recall Middle	-0.28	0.23
CVLT-II Trial 1 % Recall Recency	-0.06	0.34
CVLT-II Long Delay % Free Recall	-0.03	0.39
CVLT-II Long Delay % Cued Recall	-0.12	0.26
CVLT-II Recognition Discrimination	0.01	0.08
CVLT-II Semantic Clustering	-0.04	0.13

[1]Premorbid estimate, measured using the Shipley Institute of Living Scale-Vocabulary Test. Some individuals had the AMNART instead of SILS-V.

*$p < 0.05$.

**$p < 0.01$.

Supplemental Table 3. Activation for Encoding versus Distraction Conditions

Lobe	Foci	BA	x	y	z	mm3	Z
Encoding Minus Distraction							
Frontal	Paracentral Lobule, Medial Frontal	5/6	10	-40	52	27000	5.51
	Middle Frontal, Inferior Frontal	11/47	-27	32	-11	8296	5.34
	Middle Frontal, Cingulate	8/32	-20	22	38	12712	5.1
	Middle Frontal	11	24	30	-13	2120	4.11
Occipital	Lingual	17	-13	-93	-12	824	4.52
Temporal	Superior Temporal, Parahippocampal	34/38	31	8	-23	3648	4.55
	Fusiform, Culmen	20	-29	-38	-15	1408	4.41
	Superior Temporal, Middle Temporal	21/22	-48	-15	-8	1632	4.11
	Middle Temporal	39	-47	-69	17	1512	3.75
	Superior Temporal, Middle Temporal, Uncus	20/38	-31	12	-33	576	3.7
	Middle Temporal	39	41	-65	19	744	3.6
Parietal	Posterior Cingulate	31/29	1	-42	26	2080	4.06
Limbic	Parahippocampal, Lingual, Culmen	17/36	19	-36	-20	22280	4.85
	Parahippocampal, Posterior Cingulate, Lingual	19/30	-6	-62	12	2960	4.84
	Uncus	20	29	-13	-38	568	4.47
	Parahippocampal	34	-18	-11	-18	992	4.42
Subcortical	Claustrum, Insula, Thalamus (Pulvinar)	13	34	-17	15	5464	4.81
	Insula	13	-47	-13	24	1352	3.99
	Caudate (Body), Hypothalamus	N/A	4	10	11	4112	3.97
Distraction Minus Encoding							
Frontal	Middle Frontal	9/10	-32	39	21	976	3.75
	Cingulate, Medial Frontal, Middle Frontal	6/24/32	6	6	41	84344	6.48
Parietal	Posterior Cingulate	23/29	1	-30	18	768	4
Occipital	Fusiform, Tuber, Uvula	19	-31	-71	-27	100360	6.43
Temporal	Superior Temporal, Insula	13/22	-43	1	2	816	3.31
Subcortical	Claustrum/Insula	N/A	-29	14	4	1040	5.02

BA = Brodmann's area; mm^3 = volume of activation in cubic millimeters; *Z* = cluster *Z* score; N/A = Not Applicable. AlphaSim corrected p value < 0.05.

Supplemental Table 4. Activation for Subsequently Recalled Words

Lobe	Foci	BA	x	y	z	mm3	Z
Encoding Minus Distraction							
Frontal	Paracentral Lobule, Medial Frontal	5/6	10	-40	52	27000	5.51
	Middle Frontal, Inferior Frontal	11/47	-27	32	-11	8296	5.34
	Middle Frontal, Cingulate	8/32	-20	22	38	12712	5.1
	Middle Frontal	11	24	30	-13	2120	4.11
Occipital	Lingual	17	-13	-93	-12	824	4.52
Temporal	Superior Temporal, Parahippocampal	34/38	31	8	-23	3648	4.55
	Fusiform, Culmen	20	-29	-38	-15	1408	4.41
	Superior Temporal, Middle Temporal	21/22	-48	-15	-8	1632	4.11
	Middle Temporal	39	-47	-69	17	1512	3.75
	Superior Temporal, Middle Temporal, Uncus	20/38	-31	12	-33	576	3.7
	Middle Temporal	39	41	-65	19	744	3.6
Parietal	Posterior Cingulate	31/29	1	-42	26	2080	4.06
Limbic	Parahippocampal, Lingual, Culmen	17/36	19	-36	-20	22280	4.85
	Parahippocampal, Posterior Cingulate, Lingual	19/30	-6	-62	12	2960	4.84
	Uncus	20	29	-13	-38	568	4.47
	Parahippocampal	34	-18	-11	-18	992	4.42
Subcortical	Claustrum, Insula, Thalamus (Pulvinar)	13	34	-17	15	5464	4.81
	Insula	13	-47	-13	24	1352	3.99
	Caudate (Body), Hypothalamus	N/A	4	10	11	4112	3.97
Distraction Minus Encoding							
Frontal	Middle Frontal	9/10	-32	39	21	976	3.75
	Cingulate, Medial Frontal, Middle Frontal	6/24/32	6	6	41	84344	6.48
Parietal	Posterior Cingulate	23/29	1	-30	18	768	4
Occipital	Fusiform, Tuber, Uvula	19	-31	-71	-27	100360	6.43
Temporal	Superior Temporal, Insula	13/22	-43	1	2	816	3.31
Subcortical	Claustrum/Insula	N/A	-29	14	4	1040	5.02

BA = Brodmann's area; mm^3 = volume of activation in cubic millimeters; *Z* = cluster *Z* score; N/A = Not Applicable. AlphaSim corrected p value < 0.05.

Supplemental Table 5. Activation (Event-related) for Subsequently Recognized Words

Lobe	**Foci**	**BA**	**x**	**y**	**z**	**mm^3**	***Z***
Frontal	Middle Frontal, Medial Frontal	8/9	-20	22	38	9328	5.13
	Middle Frontal, Medial Frontal	11/25	-25	32	-11	4064	4.7
	Middle Frontal	11/47	20	30	-13	2112	4.36
	Inferior Frontal	13/44	-41	16	11	880	3.36
Limbic	Parahippocampus, Uncus, Putamen	28	-18	-9	-18	2880	4.37
	Cingulate, Paracentral	5/6/24	26	-19	41	32664	6.18
	Uncus, Superior Temporal	20/38	-34	-9	-31	2968	4.3
	Amygdala, Parahippocampus, Superior Temporal	20/34	24	-1	-21	3664	4.29
	Uncus	20	29	-9	-32	1168	4.19
	Parahippocampus, Culmen, Lingual	30, 36	22	-40	-6	1024	4.06
Occipital	Lingual	17	-17	-98	-11	664	3.89
Temporal	Fusiform, Hippocampus	20	-29	-38	-15	912	3.31
SubcSubcortical	Claustrum, Insula, Putamen	13	34	-17	11	5312	4.68
	Caudate (Head and Body)	N/A	4	14	4	6504	4.63
	Insula	13	-32	-23	11	488	3.21
Cerebellum	Culmen	N/A	-15	-34	-18	456	3.4

BA = Brodmann's area; mm^3 = volume of activation in cubic millimeters; *Z* = cluster *Z* score; N/A = Not Applicable. AlphaSim corrected p value < 0.05.

Supplemental Figure 1. Event-related analysis of subsequently recalled words