

Patient Code:

MS019

Recording Date(s): 12/1/22 - 12/9/22

Experimenter(s): Lizbeth

**Patient Information (required)**

Age: 56

Sex (circle one): Female Male Other

Handedness (circle one): Right Left Ambidextrous

Ambidextrous Rating (if applicable):

Primary Language: English

Secondary Language(s):

Years of Education (starting with grade school): 9th grade



**Clinical Information (required, ask doctor)**

Language Lateralization (circle one): Right Left Both

Lesions and tissue abnormalities:

Epileptic Source (include channel names if possible): RHpIT 1-3, LHpIT 1-3, RAgIT 1-3, LAgIT 1-3, delta slowing RaCas 1-5, spikes at RSpPC 1-3 & LSpPC 1-4

IQ Notes: TOPF (Raw: 27, SS: 86, 18%, Low Average), GAI → 8 SS: 41, Index: 80, 91, Low Avg

Comorbidities: ADHD

**Additional Notes**

Bilateral independent epileptiform potentials from hippocampi and amygdala, occasional potentials in R/L posterior and R anterior cingulate

brain mapping seizures: LHpIT 1-2, LAgIT 1-2, RHpIT 1-2

stimulated sensations typical for beginning of seizure: L & RHpIT 1-2, AgIT 1-2

Patient Code: MJSO19

### Electrode Information (required)

Electrode component (i.e., grids, strips, depths) names should be listed as they appear on the recording computer. If the name of an electrode component is not shown on the recording computer, provide a logical acronym describing its location and list the channel number range.

Electrode Components:	Channel Number Range
Grid Name: _____	x _____
Strip Name: _____	1 x _____
Strip Name: _____	1 x _____
Strip Name: _____	1 x _____
Strip Name: _____	1 x _____
Strip Name: _____	1 x _____
Strip Name: _____	1 x _____
Depth Name: LmOLF	1 x 9
Depth Name: RmOLF	1 x 9
Depth Name: LaCas	1 x 12
Depth Name: RaCas	1 x 12
Depth Name: LmCms	1 x 10
Depth Name: RmCms	1 x 10
Depth Name: LsPpc	1 x 12
Depth Name: RpPpc	1 x 12
Depth Name: LIITO	1 x 8
Depth Name: RIITO	1 x 8
Depth Name: LAgIT	1 x 10
Depth Name: RAgiT	1 x 10
LHpiT	1 x 10
RHpiT	1 x 10
LpiOC	1 x 14
RpiOC	1 x 14

BF  
Research  
electrodes

internal - external  
 medial orbital - lateral frontal  
 mesial orbital - lateral frontal  
 ant cingulate - ant sup frontal gyrus  
 ant cingulate - ant sup frontal gyrus  
 mid cingulate - mid sup frontal gyrus  
 mid cingulate - mid sup frontal gyrus  
 posterior cingulate - superior parietal  
 posterior cingulate - superior parietal  
 inferior insula - temporal operculum  
 inferior insula - temporal operculum  
 amygdala - lateral temporal  
 amygdala - lateral temporal  
 hippocampus - lateral temporal  
 hippocampus - lateral temporal  
 posterior insula - occipital  
 posterior insula - occipital

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Experimenter(s): Lizabeth

Date: 12/1/22

**Recording Block Information (required, complete at the start of each recording day)**

Sampling Rate: 1024 Hz

Analog Sampling Rate:

Reference Channel:

Zoom Mic (circle one, if applicable): A B C D E F

**Patient Status Information (required, complete at the start of each recording day)**

Mood: not feeling too good, but said he'd get in the mood to play

Pain Level: 1 (no pain) 2 3 4 5 (very high)

Level of Fatigue: 1 (not at all tired) 2 3 4 - 5 (exhausted)

Drug Status/Medications: Day 3 (12/1/22): valproate 500/250 mg, oxcarbazepine off

Day 4 - 11: valproate off, oxcarbazepine off (12/02/22 - 12/09/22)

Day 12 (12/10/22): valproate 500 mg qhs and oxcarbazepine 900 mg qhs

## Day 1

Block #: Task Owner: Salman Task Name: Memory Bandit File Name:

Photodiode Chan: DC1 Speaker Chan: Mic Chan: Button Chan: Hand Used:  R  L

Task Start Time: 10:19 am Task End Time: 10:48 am

Interruptions (time range and description):

Noisy Channels:

Task Notes: 10:19 am Instructions

 $\sum \text{bonus: } 7$   
 $7 \times 4.70 = 32.90$ 

10:20:30 am Start

## PHOTODIODE ISSUES:

no signal, then "fixed" at 10:28 am, but then still looked wonky

turned LFF &amp; HFF off at 10:38 am → fixed the issue

10:34:19 am - pt noted that he made a mistake, that he did recognize the "priest"

Block #:	Task Owner: Christing	Task Name: Gem Hunters	File Name:	
Photodiode Chan:	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used: <input checked="" type="radio"/> R <input type="radio"/> L
Task Start Time: 10:49 am	Task End Time: 11:			
Interruptions (time range and description): 11:25:40 am - 11:31:10 am nutritionist came in to talk to patient about his diet, disrupted color trial / SKIPPED				
Noisy Channels:				
Task Notes:				
10:49:13 am Instructions	11:37:04 am: Questionnaire			
10:59 am Color Yellow				
11:01 am practice, 11:04 am tried practice again	+ pt had slight tremor			
11:08:09 am Real Task Start				
11:11 am pt moved table, shifted photodiode	bonus:			
11:12 am photodiode caught in patient's feet	\$ 3.60			
11:34 am nurse came in to ask Q, delayed patient's response				

Block #:	Task Owner: Salman	Task Name: MemBandit D 2	File Name:	
Photodiode Chan: DC1	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used: <input checked="" type="radio"/> R <input type="radio"/> L
Task Start Time: 9:30 am	Task End Time: 9:45 am			
Interruptions (time range and description): 9:42:07 am food service walked in to take out food				
Noisy Channels:				
Task Notes:				
9:31:17 am Real Task start				
9:40 am pt said he put he did remember, but meant that he didn't remember the man who looked like "Santa Claus"				

Block #:	Task Owner: KK	Task Name: Craving	File Name:	
Photodiode Chan: DC1	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used: <input checked="" type="radio"/> R <input type="radio"/> L
Task Start Time: 1:36 pm	Task End Time: 2:06:30 pm			
Interruptions (time range and description): 1:42:36 pm → pt answered a phone call				
Noisy Channels:				
Task Notes: DONUTS 1:44 pm → fixed photodiode signal after he got off his phone				
1:38 pm practice				
1:41 pm Real Task start				
1:55 pm Block 2				

Block #:	Task Owner: Sae2	Task Name: SWB	File Name:	
Photodiode Chan:	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used: <input checked="" type="radio"/> R <input type="radio"/> L
Task Start Time: 2:08 PM		Task End Time: —		
Interruptions (time range and description):				
Noisy Channels:				
Task Notes:				
2:19 pm BDI Questionnaire NO RATINGS				
2:21 pm practice				
2:29 pm Real Task ABORTED				
2:34 pm Restarted (no Ratings)				
2:38 pm Restart Task (no Ratings)				
task not starting → culprit: attached keyboard				

Block #:	Task Owner: Arianna	Task Name: UG Mood	File Name:	
Photodiode Chan: DCI	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used: <input checked="" type="radio"/> R <input type="radio"/> L
Task Start Time: 2:48 PM		Task End Time: 3:00 pm		
Interruptions (time range and description):				
Noisy Channels:				
Task Notes:				
2:49 pm Task start (Aldertown)				
2:55 pm Computer Round Start				

Block #:	Task Owner: Sae2	Task Name: SWB	File Name: _no BPI	
Photodiode Chan:	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used: <input checked="" type="radio"/> R <input type="radio"/> L
Task Start Time: 10:46 am		Task End Time: 11:27 am		
Interruptions (time range and description): 11:05 am → visitor entered, missed one trial, stopped at rating				
Noisy Channels:				
Task Notes:				
10:47 am Practice				
10:48 am Real Task Start				
10:54:07 am forgot to rate mood, he accidentally pressed spacebar				
11:21 am END of task				
11:22 am - 11:27 am BAI Q's				
Σ Bonus: 3 \$10.11				

Block #:	Task Owner:	Task Name: Treasure Hunt	File Name:		
Photodiode Chan:	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used:	<input checked="" type="checkbox"/> R <input type="checkbox"/> L
Task Start Time: 11:29 am		Task End Time: 12:03 pm			
Interruptions (time range and description): 11:44 am - 11:50 am epileptologist walked in to talk about seizures					
Noisy Channels:					
Task Notes:					
Round 1 11:29 AM		Score: -950			
Round 2 11:52 AM		Score: 120			
Round 3 12:02:09 PM					
Round 4					
Round 5					
17/40 trials completed					

Block #:	Task Owner:	Task Name: Social Nav	File Name:		
Photodiode Chan: DC	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used:	<input checked="" type="checkbox"/> R <input type="checkbox"/> L
Task Start Time: 1:54 PM		Task End Time: 2:49 PM			
Interruptions (time range and description):					
Noisy Channels:					
Task Notes: Narrative 1 - over 35					
Questionnaire: 2:23 PM					
# patient was a bit slow with decisions so lots of trials were skipped					

Block #:	Task Owner:	Task Name: Mooney	File Name:		
Photodiode Chan:	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used:	<input checked="" type="checkbox"/> R <input type="checkbox"/> L
Task Start Time: 2:55 PM		Task End Time: 3:46 PM			
Interruptions (time range and description):					
Noisy Channels:					
Task Notes:					
# see experiment log #					

Block #: 1 Task Owner: Pandey Task Name: Meditation File Name:

Photodiode Chan:	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used:	R	L
Task Start Time: 9:18 am		Task End Time: 9:43:10 am				
Interruptions (time range and description): 9:30 am → patient in next bed started saying patient's name to get his attention						
Noisy Channels:						
Task Notes: Healthy Minds App			9:35:50 am → patient next door got a phone call			
Intro to Med: 9:27:46 am - 9:31:08 am						
"Counting the Breath": 9:31:09 am - 9:41:04 am						
Mind-Wandering: 9:41:10 am - 9:43:10 am						

Block #: Task Owner: Waters Task Name: Interoception File Name:

Photodiode Chan: DC1	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used:	R	L
Task Start Time: 9:53 am		Task End Time: 10:15 am				
Interruptions (time range and description): 10:03:31 am → came in to ask about lunch/dinner, left at 10:06:50 am						
Noisy Channels:						
Task Notes: Exercise: 1 Relax			Exercise 3: Breathing			
Exercise 2: Heartbeats Practice: ① 17			10:09:36 am - 10:15:11 am			
② 24			counted 91 HB			
③ 12						
④ 19						
⑤ 14						
⑥ 14			+ pt noted he felt his hb			
⑦ 16			in front tooth pulsing			

Block #: Task Owner: Brooke Task Name: PacMan File Name:

Photodiode Chan:	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used:	R	L
Task Start Time: 3:20:10 pm		Task End Time: 3:59 pm				
Interruptions (time range and description):						
Noisy Channels:						
Task Notes:						
3:20 pm Instructions						
3:24:57 pm Practice						
3:25:56 pm REAL Task						
3:49 pm - Questionnaire						

trial times or back

Used keyboard instead of controller

12/17

Block #:	Task Owner:	Task Name: Treasure Hunt File Name:		
Photodiode Chan:	DCL	Speaker Chan:	Mic Chan:	Button Chan:
Hand Used:	(R)	L		
Task Start Time:	4:01 pm	Task End Time:	4:33:50 pm	
Interruptions (time range and description): 4:29:31 am nurse came in to take vitals, left at 4:32:20 pm				
Noisy Channels:				
Task Notes:				
4:06 pm Real Task Start				
Completed 13 trials ↴ 30/40				

12/19

Block #:	2	Task Owner:	Panov	Task Name: Meditation	File Name:
Photodiode Chan:		Speaker Chan:		Mic Chan:	Button Chan:
Hand Used:	R	L			
Task Start Time:	9:58 am	Task End Time:			
Interruptions (time range and description): patient next door was getting discharged and being very loud, didn't leave until 10:02:39 am					
Noisy Channels:					
Task Notes:	Healthy Minds App	10:09:55 am: food service walked in to ask about lunch			
Intro to Meditation: 9:58 am					
"Counting the Breath": 10:01:29 am - 10:11:39 am					
Mind-Wandering: 10:11:41 am					

Block #:	3	Task Owner:	Task Name: Treasure Hunt File Name:		
Photodiode Chan:		Speaker Chan:		Mic Chan:	Button Chan:
Hand Used:	R	L			
Task Start Time:	12:57 pm	Task End Time:	1:13:49 pm		
Interruptions (time range and description):					
Noisy Channels:					
Task Notes:					
Round 1 Score: 350					
completed 10 trials ↴					
40/40					

\*brain mapping on 12/12/22

TH  
Day 1

- 1 11:29 am
  - 2 11:32 am
  - 3 11:34:53 am
  - 4 11:35 am
  - 5 11:38:06 am
  - 6 11:39:48 am
  - 7 11:41:15 am
  - 8 11:50:35 am
- 
- 9 11:52 am
  - 10 11:53:09 am
  - 11 11:54:26 am
  - 12 11:55 am
  - 13 11:56:56 am
  - 14 11:58 am
  - 15 11:59:21 am
  - 16 12:00 pm
- 
- 17 12:02:09 pm

Day 2

- 1 4:06 pm
  - 2 4:08:50 pm
  - 3 4:11:09 pm
  - 4 4:12:38 pm
  - 5 4:14:15 pm
  - 6 4:16:07 pm
  - 7 4:18:12 pm
  - 8 4:20:06 pm → said he's not engaged
- 
- 9 4:21:23 pm
  - 10 4:23:25 pm
  - 11 4:25:35 pm
  - 12 4:28:10 pm
  - 13 4:32:20 pm

Day 3

- 1 12:57:53 pm
  - 2 1:00:18 pm
  - 3 1:02 pm
  - 4 1:03:45 pm
  - 5 1:05:06 pm
  - 6 1:06:32 pm
  - 7 1:08:11 pm
  - 8 1:09:40 pm score: 350
- 
- 9 1:11 pm
  - 10 1:12:33 pm

PacMan → 2 sec lag on Natus

- ① 3:25:56 pm
- ② 3:27:35 pm
- ③ 3:30:25 pm
- ④ 3:32:27 pm
- ⑤ 3:34:23 pm
- ⑥ 3:36:24 pm
- ⑦ 3:38:29 pm
- ⑧ 3:40:41 pm
- ⑨ 3:42:36 pm
- ⑩ 3:44:32 pm
- ⑪ 3:46:38 pm