

Patient Code:

MS028

Recording Date(s): 4/6/23 - 4/14/23

Experimenter(s): Saez Lab

### Patient Information (required)

Age: 32

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): Culinary degree from Johnson and Whales University

### Clinical Information (required, ask doctor)

Language Lateralization (circle one): Right Left Both

Lesions and tissue abnormalities: TBI, "possible bilateral trace susceptibility possible of traumatic etiology"

Epileptic Source (include channel names if possible): RHplT 1-3, LHplT 1-2, LAgIT 1-3,

Spikes: RHplT 3-6, RHplT 8-9, RAgIT 7-9, RAgIT 4-6, RmOIF 1-3, RmOIF 3-9, Racas 6-10, RM CMS 4-5

IQ Notes: TOPF Raw: 37, SS: 95, 37%ile, Average

Comorbidities:

### Additional Notes

bilateral temporal dysfunction, epileptogenic foci over R temporal (mesial>lateral), left temporal (mesial), right frontal, and left frontal regions

\* FTBTC seizure of R hippocampal onset (RHplT 1-3) w/ spread to L hippocampus

\* focal seizure w/ possible R medial frontal onset (RmOIF 1-3)

(4/4)  
Day of  
surgery

patient started off with 4 microwires: LmOIF, RmOIF, LAgIT, RAgIT

↳ 2 microwires were pulled out during wrapping and transport (LAGIT & RAgIT)

4/9 → LmOIF microwire removed from CHET, only RmOIF remained

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### 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:	Lm0IF
Depth Name:	1 x 9
Depth Name:	Rm0IF
Depth Name:	1 x 9
Depth Name:	LCMmM
Depth Name:	1 x 14
Depth Name:	RCMmM
Depth Name:	1 x 14
Depth Name:	LaIps1
Depth Name:	1 x 16
Depth Name:	RImS
Depth Name:	1 x 16
Depth Name:	LaCas
Depth Name:	1 x 12
Depth Name:	RaCas
Depth Name:	1 x 14
Depth Name:	LmCms
Depth Name:	1 x 10
Depth Name:	RmCms
Depth Name:	1 x 10
Depth Name:	LAGiT
Depth Name:	1 x 9
Depth Name:	RAGiT
Depth Name:	1 x 9
Depth Name:	LAPiT
Depth Name:	1 x 10
Depth Name:	RHPiT
Depth Name:	1 x 10

mesial orbital - lateral frontal  
 mesial orbital - lateral frontal  
 central median - middle frontal gyrus  
 central median - middle frontal gyrus  
 anterior insula - sup frontal gyrus  
 anterior insula - mid sup frontal gyrus  
 anterior cingulate - sup frontal gyrus  
 anterior cingulate - sup frontal gyrus  
 mid cingulate - Sup frontal gyrus  
 mid cingulate - sup frontal gyrus  
 amygdala - lateral temporal  
 amygdala - lateral temporal  
 hippocampus - lateral temporal  
 hippocampus - lateral temporal

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

Sampling Rate: 1024 Hz (Native)

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: agitated

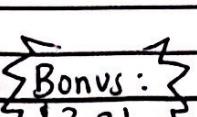
Pain Level: 1 (no pain) 2 3 4 5 (very high)

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

Drug Status/Medications: Zonisamide 400 mg, Vimpat 150 mg

+ Neuralynx

Block #:	Task Owner: Salman	Task Name: MemBandit D1	File Name: "Day1 - Local.psyexp"
Photodiode Chan:	DC1	Speaker Chan:	Mic Chan: Button Chan: Hand Used: R L
Task Start Time:	8:53 am Task End Time: 9:13:36 am		
Interruptions (time range and description):	9:06:23 am PA's came in to talk to patient, left @ 9:08:27 am		
Noisy Channels:			
Task Notes:	9:12 am - 9:12:53 am visit from Ghatan 		
8:54 am Task Start			
9:00 am Memory Portion			
* pt mentioned all the faces looked new to her during memory game			

Block #:	Task Owner: Christinq	Task Name: GemHunters	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: 1:57 pm	Task End Time: 2:16 pm		
Interruptions (time range and description):			
Noisy Channels:			
Task Notes:			
Practice: 1:57 pm			
Real Task: 2:00 pm			
<hr/> <hr/> <hr/>			

Block #:	Task Owner:	LW	Task Name:	apple picking	File Name:	MS028	Sensitive to effort?		
Photodiode Chan:	DC1	Speaker Chan:		Mic Chan:		Button Chan:		Hand Used:	<input checked="" type="radio"/> R <input type="radio"/> L
Task Start Time:	11:36 am		Task End Time:			max before	L 212.8		
Interruptions (time range and description):			12:04 pm			R 192.9			
Noisy Channels:								max after	L 234
Task Notes:	Instructions 11:36 am - first recording							R 181	
	Task start 11:42am - started new recording								
	sanity check ✓								
	cut off 3-6 apples								
	block 3. ↑ noise in microphones + noise in room / other people talking								
								bonus: $788 \times 2 = 90$	
								15.76	

Block #:	Task Owner:	Arianna	Task Name:	UGM00D	File Name:
Photodiode Chan:	DC1	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used:
Task Start Time:	11:46 am		Task End Time:	11:59 am	
Interruptions (time range and description):					
Noisy Channels:					
Task Notes:	Social block first, then nonsocial				

Block #: Task Owner: Matt S. Task Name: Social Navigation File Name:

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

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Task Start Time: 12:02 pm Task End Time: ~ 12:27 pm

Interruptions (time range and description):

Noisy Channels:

Task Notes: the task times out a bit too quickly sometimes for her to make her choice  
 photodiode ended task and ended recording  
 not working went back to ~~last task~~ at 12:30 pm - 1:09 pm  
 NO SIGNAL started new recording 12:54pm } for survey  
 Pt thought surveys were sexist/agist/racist

version 1

surveys 12:54 - 1:09 pm

\* patient seemed to keep playing during these interruptions.

Block #: Task Owner: Alie Task Name: SWB File Name: 4/10/23

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

Task Start Time: 10:30 Task End Time: 11:19

Interruptions (time range and description):

Bonus: \$21.32

Noisy Channels:

Task Notes: • patient very agitated.  
 • photodiode ~~not responsive~~ when checking signal, checked the connection and signal did not improve. slight deflection but appeared noisy.  
 • interruption to order dinner from 10:43 - 10:44.  
 • Dr. Ghatala visited from 10:49 - 10:51.  
 • patient did not want to complete anxiety

4/10/23

NO photo-diode signal

10:55-  
10:59

Block #: 1 Task Owner: Sae2 Task Name: Gamble File Name: "Gt1-DR\_stim.pv"

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

Task Start Time: ~~9:45 am~~ 9:45 am Task End Time: 9:54 am

1st run

Interruptions (time range and description):

Noisy Channels:

Task Notes: 9:30 am 1st Try - No photodiode signal (pt was almost done but we restarted)  
 9:45 am 2nd Try MS028(3) w/ working photodiode recording on Natus from start, Neuralynx after instruction screen

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Block #:	Task Owner:	Allison	Task Name:	Interoception	File Name:		
Photodiode Chan:	DC1	Speaker Chan:	DC2	Mic Chan:	Button Chan:	Hand Used:	R L
Task Start Time:	10:13 am			Task End Time:	10:36 am		
Interruptions (time range and description):	10:20:45 am - 10:23:29 am neurosurgery team came in to talk to patient after HB practice						
Noisy Channels:							
Task Notes:	eyes open: 10:14 am, recording on Neuralynx began @ 10:15 am eyes closed: 10:17 am - 10:19:23 am						
HB practice:	10:20:13 am - 5			Breathing:	10:30:31 am - 10:36:36 am		
(1)	10:23:43 am - 22	(6)	10:28:27 am - 21	(7)	10:29 am		
(2)	10:24:26 am - 24						
(3)	10:25:05 am - 56						
(4)	10:26:54 am - 40						
(5)	10:28:27 am - 59						*sound only on Left*

Natus times,  
Neuralynx  
behind by  
4 min

Block #:	Task Owner:	Brooke	Task Name:	PacMan	File Name:	pacman-game-ms.py	
Photodiode Chan:	DC1	Speaker Chan:		Mic Chan:	Button Chan:	Hand Used:	R L
Task Start Time:	12:47 pm			Task End Time:	1:17 pm		
Interruptions (time range and description):	12:52:50 am food service came in with lunch						
Noisy Channels:	1:02 pm nurse came in to take BP, pt continued playing						
Task Notes:	12:50 pm Practice average 12:51:40 pm Real Game Start score: 1:11 pm fixed <del>photodiode</del> photodiode (fell off) 721						
12 blocks x 20 trials							

→ \* did not record on Neuralynx, ONLY NATUS \*

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Block #:	Task Owner:	NYU	Task Name:	Mooney	File Name:		
Photodiode Chan:	DC1	Speaker Chan:	DC2	Mic Chan:	Button Chan:	Hand Used:	R L
Task Start Time:	11:35 am			Task End Time:	12:09 pm		
Interruptions (time range and description):							
Noisy Channels:							
Task Notes:	* see experiment log *						

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Block #:	Task Owner:	Lisq	Task Name:	Working Mem	File Name:	"wm-dm5.m"
Photodiode Chan:	DC1	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used:	<input checked="" type="radio"/> R <input type="radio"/> L
Task Start Time:	12:48			Task End Time:	1:23 pm	
Interruptions (time range and description): 12:51 pm food service came in with lunch						
Noisy Channels:						
Task Notes:						
12:49 pm Resting Task - 12:54 pm 12:57 pm WM Task practice - 12:59 pm 1:00 pm WM Real Task - 1:23 pm						

C

DID Record on Neuralynx

Block #:	Task Owner:	Task Name:	File Name:		
Photodiode Chan:	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used:	R L
Task Start Time:	Task End Time:				
Interruptions (time range and description):					
Noisy Channels:					
Task Notes:					

Block #:	Task Owner:	Task Name:	File Name:		
Photodiode Chan:	Speaker Chan:	Mic Chan:	Button Chan:	Hand Used:	R L
Task Start Time:	Task End Time:				
Interruptions (time range and description):					
Noisy Channels:					
Task Notes:					