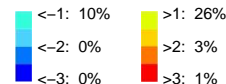


EEG ID: 752942  
 Test Date: 2022-01-10  
 Age: 35.4  
 Gender: Female  
 Montage: Linked Ears  
 Eyes Open

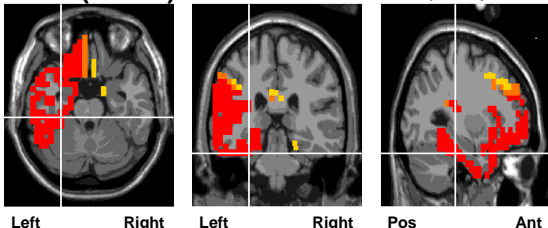
Extreme Z-scores					
Delta: Z=4.9	1 Hz	BA: 36	hiBeta: Z=2.1	21 Hz	BA: 39
Theta: Z=3.3	4 Hz	BA: 21	Gamma: Z=-2.2	44 Hz	BA: 27
Alpha: Z=2.5	9 Hz	BA: 10	Alpha1: Z=2.5	9 Hz	BA: 10
loBeta: Z=1.8	13 Hz	BA: 40	Alpha2: Z=1.9	11 Hz	BA: 38
Beta: Z=2	20 Hz	BA: 39			

### Percentage Deviant Voxels (1-45Hz)



## Delta (1-3Hz)

Z-score: 4.9, Frequency: 1 Hz



### Brain Area:

Limbic Lobe  
 Parahippocampal Gyrus  
 Brodmann area 36

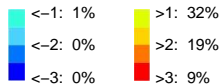
### Symptoms of Defect:

Impaired Memory

### Function:

Memory

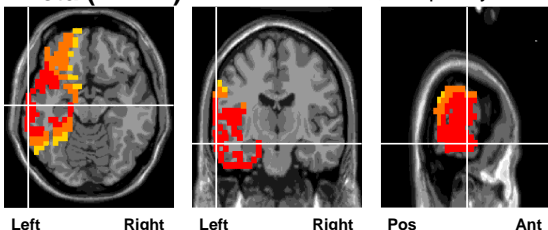
### Percentage Deviant Voxels Delta (1-3Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodmann\\_area\\_36](https://en.wikipedia.org/wiki/Brodmann_area_36)  
[www.fmriconsulting.com/brodmann/BA36.html](http://www.fmriconsulting.com/brodmann/BA36.html)

## Theta (4-7Hz)

Z-score: 3.3, Frequency: 4 Hz



### Brain Area:

Temporal Lobe  
 Middle Temporal Gyrus  
 Brodmann area 21

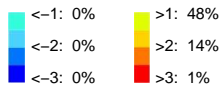
### Symptoms of Defect:

Auditory Sequencing Problems  
 Receptive Language Problems ( L )

### Function:

Memory  
 Auditory Processing and Language

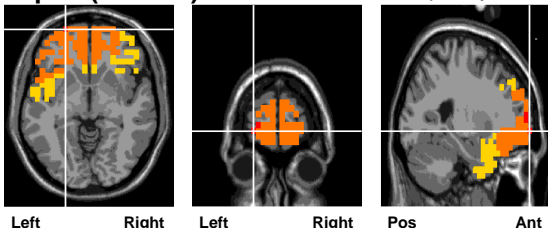
### Percentage Deviant Voxels Theta (1-3Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodmann\\_area\\_21](https://en.wikipedia.org/wiki/Brodmann_area_21)  
[www.fmriconsulting.com/brodmann/BA21.html](http://www.fmriconsulting.com/brodmann/BA21.html)

## Alpha (8-12Hz)

Z-score: 2.5, Frequency: 9 Hz



### Brain Area:

Frontal Lobe  
 Superior Frontal Gyrus  
 Brodmann area 10

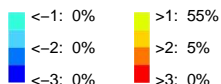
### Symptoms of Defect:

Executive Function Problems  
 Compulsive Thoughts or Behaviors  
 Impulsive  
 Oppositional  
 Concentration Problems  
 Amnesia  
 Aphasia  
 Anger Control Problems  
 Low Motivation  
 Mood Swings  
 Delusional  
 Failure to Initiate Actions  
 Obsessive Thoughts about Self  
 Multitasking Problems

### Function:

Strategic Processes  
 Memory Recall  
 Some Executive Functions  
 Executive Emotion And Planning

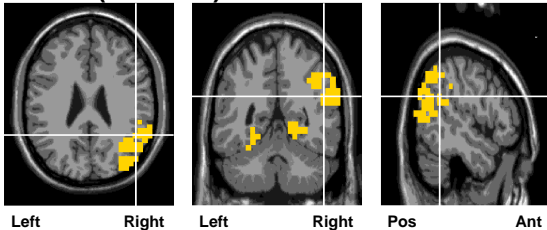
### Percentage Deviant Voxels Alpha (1-3Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodmann\\_area\\_10](https://en.wikipedia.org/wiki/Brodmann_area_10)  
[www.fmriconsulting.com/brodmann/BA10.html](http://www.fmriconsulting.com/brodmann/BA10.html)

EEG ID: 752942  
 Test Date: 2022-01-10  
 Age: 35.4  
 Gender: Female  
 Montage: Linked Ears  
 Eyes Open

## loBeta (13–15Hz) Z-score: 1.8, Frequency: 13 Hz



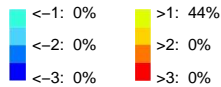
**Brain Area:**  
 Parietal Lobe  
 Inferior Parietal Lobule  
 Brodmann area 40

**Function:**  
 Somatosensory

### Symptoms of Defect:

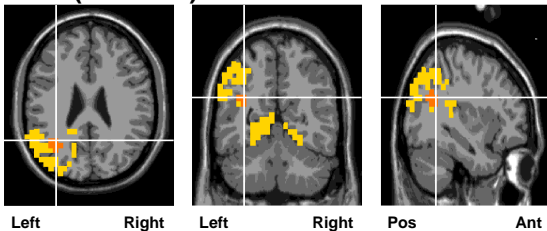
- Fibromyalgia
- Migraines
- Slow Reading
- Difficulty with Social Cues ( R )
- Dyscalculia
- Dyslexia ( L )
- Agnosia ( R )
- Denial ( R )
- Letter Perception Problems ( L )
- Insensitive to Others' Emotional Expressions ( R )
- Receptive Language Problems ( L )
- Facial Recognition Problems
- Spatial Orientation Problems ( R )
- Poor Social Skills ( R )

### Percentage Deviant Voxels loBeta (13–15Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodman\\_area\\_40](https://en.wikipedia.org/wiki/Brodman_area_40)  
[www.fmriconsulting.com/brodman/BA40.html](http://www.fmriconsulting.com/brodman/BA40.html)

## Beta (16–20Hz) Z-score: 2, Frequency: 20 Hz



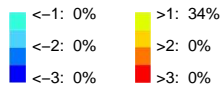
**Brain Area:**  
 Temporal Lobe  
 Superior Temporal Gyrus  
 Brodmann area 39

**Function:**  
 Language  
 Number Processing  
 Spatial Cognition  
 Memory Retrieval  
 Attention

### Symptoms of Defect:

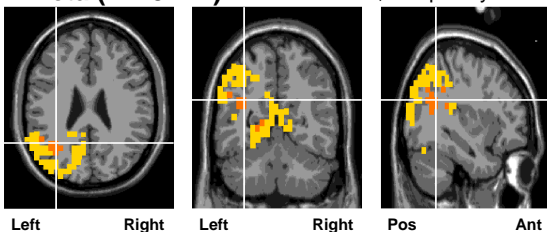
- Semantic Aphasia
- Gerstmann Syndrome
- Fibromyalgia
- Migraines
- Slow Reading
- Difficulty with Social Cues ( R )
- Dyscalculia
- Dyslexia ( L )
- Agnosia ( R )
- Denial ( R )
- Letter Perception Problems ( L )
- Insensitive to Others' Emotional Expressions ( R )
- Receptive Language Problems ( L )

### Percentage Deviant Voxels Beta (16–20Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodman\\_area\\_39](https://en.wikipedia.org/wiki/Brodman_area_39)  
[www.fmriconsulting.com/brodman/BA39.html](http://www.fmriconsulting.com/brodman/BA39.html)

## hiBeta (21–34Hz) Z-score: 2.1, Frequency: 21 Hz



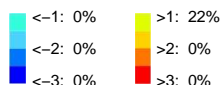
**Brain Area:**  
 Temporal Lobe  
 Superior Temporal Gyrus  
 Brodmann area 39

**Function:**  
 Language  
 Number Processing  
 Spatial Cognition  
 Memory Retrieval  
 Attention

### Symptoms of Defect:

- Semantic Aphasia
- Gerstmann Syndrome
- Fibromyalgia
- Migraines
- Slow Reading
- Difficulty with Social Cues ( R )
- Dyscalculia
- Dyslexia ( L )
- Agnosia ( R )
- Denial ( R )
- Letter Perception Problems ( L )
- Insensitive to Others' Emotional Expressions ( R )
- Receptive Language Problems ( L )

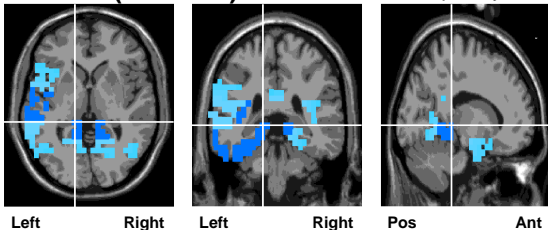
### Percentage Deviant Voxels hiBeta (21–34Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodman\\_area\\_39](https://en.wikipedia.org/wiki/Brodman_area_39)  
[www.fmriconsulting.com/brodman/BA39.html](http://www.fmriconsulting.com/brodman/BA39.html)

EEG ID: 752942  
 Test Date: 2022-01-10  
 Age: 35.4  
 Gender: Female  
 Montage: Linked Ears  
 Eyes Open

## Gamma (35–45Hz) Z-score: -2.2, Frequency: 44 Hz



### Brain Area:

Limbic Lobe  
 Parahippocampal Gyrus  
 Brodmann area 27

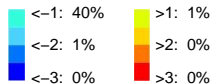
### Symptoms of Defect:

Anterograde Amnesic Disorder

### Function:

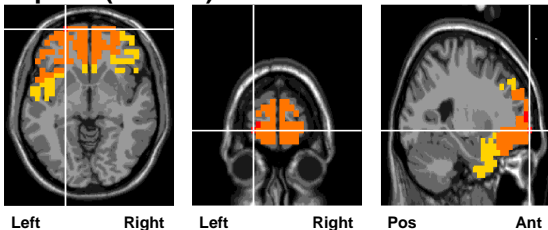
Unclear

### Percentage Deviant Voxels Gamma (35–45Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodman\\_area\\_27](https://en.wikipedia.org/wiki/Brodman_area_27)  
[www.fmriconsulting.com/brodmann/BA27.html](http://www.fmriconsulting.com/brodmann/BA27.html)

## Alpha1 (8–10Hz) Z-score: 2.5, Frequency: 9 Hz



### Brain Area:

Frontal Lobe  
 Superior Frontal Gyrus  
 Brodmann area 10

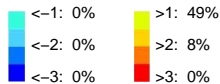
### Symptoms of Defect:

Executive Function Problems  
 Compulsive Thoughts or Behaviors  
 Impulsive  
 Oppositional  
 Concentration Problems  
 Amnesia  
 Aphasia  
 Anger Control Problems  
 Low Motivation  
 Mood Swings  
 Delusional  
 Failure to Initiate Actions  
 Obsessive Thoughts about Self  
 Multitasking Problems

### Function:

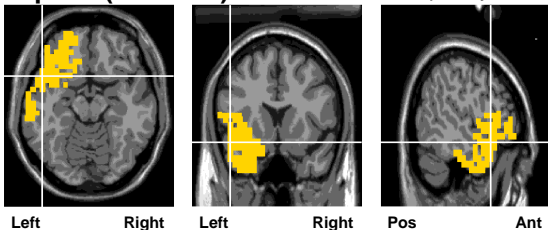
Strategic Processes  
 Memory Recall  
 Some Executive Functions  
 Executive Emotion And Planning

### Percentage Deviant Voxels Alpha1 (8–10Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodman\\_area\\_10](https://en.wikipedia.org/wiki/Brodman_area_10)  
[www.fmriconsulting.com/brodmann/BA10.html](http://www.fmriconsulting.com/brodmann/BA10.html)

## Alpha2 (11–12Hz) Z-score: 1.9, Frequency: 11 Hz



### Brain Area:

Temporal Lobe  
 Superior Temporal Gyrus  
 Brodmann area 38

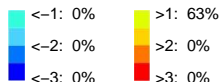
### Symptoms of Defect:

Alzheimer's Disease  
 Temporal Lobe Seizures  
 Impaired Emotional Regulation  
 Anger Control Problems  
 Delusional  
 Auditory Sequencing Problems  
 Inensitive to Others' Emotional Expressions ( R )  
 Receptive Language Problems ( L )

### Function:

Emotional Regulation  
 Auditory Processing

### Percentage Deviant Voxels Alpha2 (11–12Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodman\\_area\\_38](https://en.wikipedia.org/wiki/Brodman_area_38)  
[www.fmriconsulting.com/brodmann/BA38.html](http://www.fmriconsulting.com/brodmann/BA38.html)