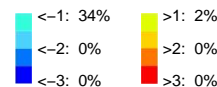


Client ID: 002\_B  
 Test Date: 2017-11-28  
 Age: 26.75  
 Gender: Male  
 Montage: Linked Ears  
 Eyes Closed

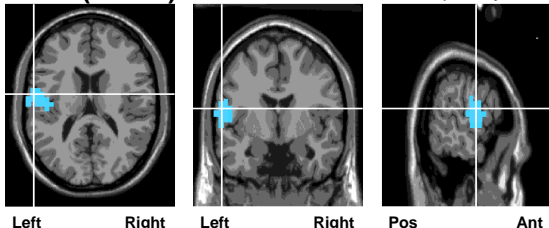
Extreme Z-scores			
Delta: Z=-1.8 1 Hz	BA: 4	hiBeta: Z=-1.8 21 Hz	BA: 22
Theta: Z=2.1 6 Hz	BA: 25	Gamma: Z=-1.9 35 Hz	BA: 47
Alpha: Z=-1.9 10 Hz	BA: 39	Alpha1: Z=-1.9 10 Hz	BA: 39
loBeta: Z=-1.2 13 Hz	BA: 39	Alpha2: Z=-1.8 11 Hz	BA: 22
Beta: Z=-1.7 19 Hz	BA: 22		

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



## Delta (1-3Hz)

Z-score: -1.8, Frequency: 1 Hz



### Brain Area:

Frontal Lobe  
 Precentral Gyrus  
 Brodmann area 4

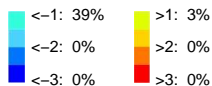
### Symptoms of Defect:

Poor Motor Control  
 Touch Recognition Problems  
 Paralysis

### Function:

To plan and execute movement

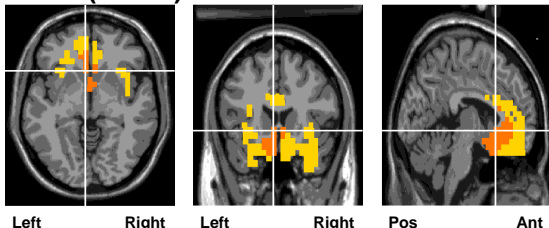
### Percentage Deviant Voxels Delta (1-3Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodmann\\_area\\_4](https://en.wikipedia.org/wiki/Brodmann_area_4)  
[www.fmriconsulting.com/brodmann/BA4.html](http://www.fmriconsulting.com/brodmann/BA4.html)

## Theta (4-7Hz)

Z-score: 2.1, Frequency: 6 Hz



### Brain Area:

Limbic Lobe  
 Anterior Cingulate  
 Brodmann area 25

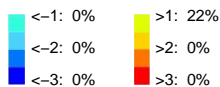
### Symptoms of Defect:

Major Depression  
 Hyperactivity ( R )  
 Short-Term Memory Problems  
 Low Motivation  
 Depressed  
 Failure to Initiate Actions  
 Multitasking Problems  
 Self-Esteem Problems ( R )  
 Slow Thought  
 Easily Confused

### Function:

Serotonin Transporter-Rich Area  
 Particularly Implicated in Normal Processing of

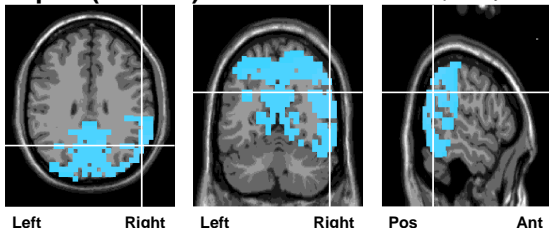
### Percentage Deviant Voxels Theta (1-3Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodmann\\_area\\_25](https://en.wikipedia.org/wiki/Brodmann_area_25)  
[www.fmriconsulting.com/brodmann/BA25.html](http://www.fmriconsulting.com/brodmann/BA25.html)

## Alpha (8-12Hz)

Z-score: -1.9, Frequency: 10 Hz



### Brain Area:

Temporal Lobe  
 Superior Temporal Gyrus  
 Brodmann area 39

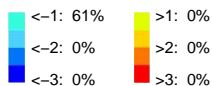
### Symptoms of Defect:

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 )

### Function:

Language  
 Number Processing  
 Spatial Cognition  
 Memory Retrieval  
 Attention

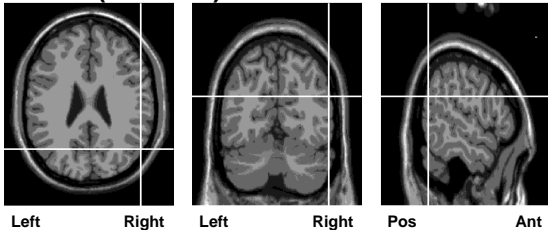
### Percentage Deviant Voxels Alpha (1-3Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodmann\\_area\\_39](https://en.wikipedia.org/wiki/Brodmann_area_39)  
[www.fmriconsulting.com/brodmann/BA39.html](http://www.fmriconsulting.com/brodmann/BA39.html)

Client ID: 002\_B  
 Test Date: 2017-11-28  
 Age: 26.75  
 Gender: Male  
 Montage: Linked Ears  
 Eyes Closed

## loBeta (13-15Hz) Z-score: -1.2, Frequency: 13 Hz



### Brain Area:

Temporal Lobe  
 Middle Temporal Gyrus  
 Brodmann area 39

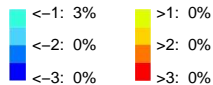
### Function:

Language  
 Number Processing  
 Spatial Cognition  
 Memory Retrieval  
 Attention

### Symptoms of Defect:

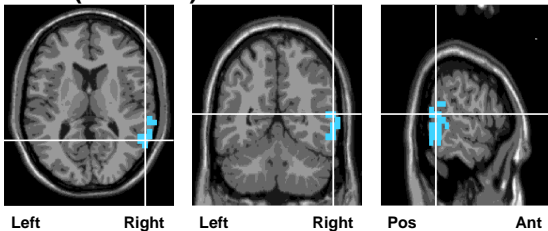
Semantic Aphasia  
 Gerstmann Syndrome  
 Fibromyalgia  
 Migraines  
 Slow Reading  
 Difficulty with Social Cues ( R )  
 Dyscalculia  
 Dyslexia ( L )  
 Agnosia ( R )  
 Denial ( R )  
 Letter Perception Problems ( L )  
 Insensitive to Others' Emotional Expressions ( R )  
 Receptive Language Problems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

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



Online information:  
[https://en.wikipedia.org/wiki/Brodmann\\_area\\_39](https://en.wikipedia.org/wiki/Brodmann_area_39)  
[www.fmriconsulting.com/brodmann/BA39.html](http://www.fmriconsulting.com/brodmann/BA39.html)

## Beta (16-20Hz) Z-score: -1.7, Frequency: 19 Hz



### Brain Area:

Temporal Lobe  
 Superior Temporal Gyrus  
 Brodmann area 22

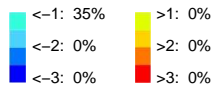
### Function:

Auditory Processing  
 Contains Wernicke's Area

### Symptoms of Defect:

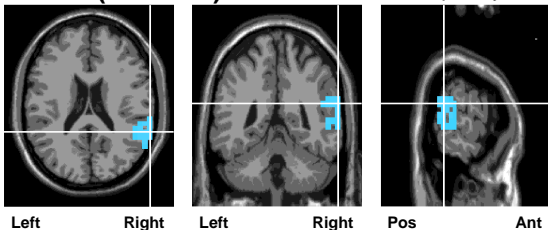
Auditory Sequencing Problems

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



Online information:  
[https://en.wikipedia.org/wiki/Brodmann\\_area\\_22](https://en.wikipedia.org/wiki/Brodmann_area_22)  
[www.fmriconsulting.com/brodmann/BA22.html](http://www.fmriconsulting.com/brodmann/BA22.html)

## hiBeta (21-34Hz) Z-score: -1.8, Frequency: 21 Hz



### Brain Area:

Temporal Lobe  
 Superior Temporal Gyrus  
 Brodmann area 22

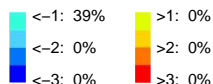
### Function:

Auditory Processing  
 Contains Wernicke's Area

### Symptoms of Defect:

Auditory Sequencing Problems

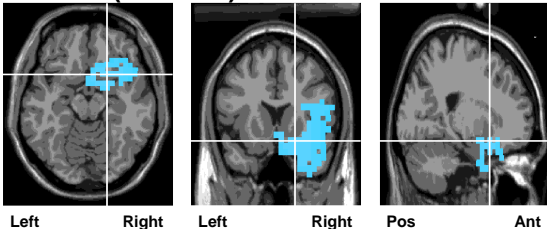
### Percentage Deviant Voxels hiBeta (21-34Hz)



Online information:  
[https://en.wikipedia.org/wiki/Brodmann\\_area\\_22](https://en.wikipedia.org/wiki/Brodmann_area_22)  
[www.fmriconsulting.com/brodmann/BA22.html](http://www.fmriconsulting.com/brodmann/BA22.html)

Client ID: 002\_B  
 Test Date: 2017-11-28  
 Age: 26.75  
 Gender: Male  
 Montage: Linked Ears  
 Eyes Closed

## Gamma (35–45Hz) Z-score: -1.9, Frequency: 35 Hz



### Brain Area:

Frontal Lobe  
 Subcallosal Gyrus  
 Brodmann area 47

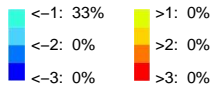
### Function:

Executive  
 Emotion

### Symptoms of Defect:

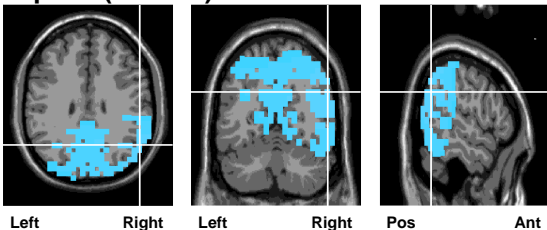
Executive Function Problems  
 Compulsive Thoughts or Behaviors  
 Delusional  
 Executive Function problems  
 Lack of Empathy

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



Online information:  
[https://en.wikipedia.org/wiki/Brodmann\\_area\\_47](https://en.wikipedia.org/wiki/Brodmann_area_47)  
[www.fmriconsulting.com/brodmann/BA47.html](http://www.fmriconsulting.com/brodmann/BA47.html)

## Alpha1 (8–10Hz) Z-score: -1.9, Frequency: 10 Hz



### Brain Area:

Temporal Lobe  
 Superior Temporal Gyrus  
 Brodmann area 39

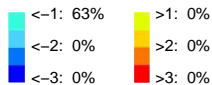
### Function:

Language  
 Number Processing  
 Spatial Cognition  
 Memory Retrieval  
 Attention

### Symptoms of Defect:

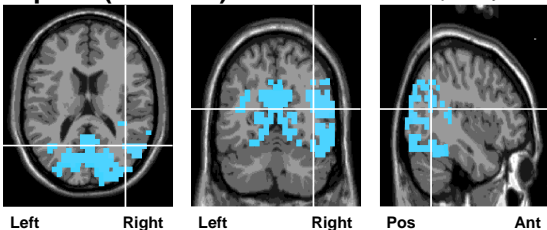
Semantic Aphasia  
 Gerstmann Syndrome  
 Fibromyalgia  
 Migraines  
 Slow Reading  
 Difficulty with Social Cues ( R )  
 Dyscalculia  
 Dyslexia ( L )  
 Agnosia ( R )  
 Denial ( R )  
 Letter Perception Problems ( L )  
 Insensitive to Others' Emotional Expressions ( R )  
 Receptive Language Problems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

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



Online information:  
[https://en.wikipedia.org/wiki/Brodmann\\_area\\_39](https://en.wikipedia.org/wiki/Brodmann_area_39)  
[www.fmriconsulting.com/brodmann/BA39.html](http://www.fmriconsulting.com/brodmann/BA39.html)

## Alpha2 (11–12Hz) Z-score: -1.8, Frequency: 11 Hz



### Brain Area:

Occipital Lobe  
 Middle Temporal Gyrus  
 Brodmann area 22

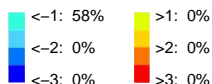
### Function:

Auditory Processing  
 Contains Wernicke's Area

### Symptoms of Defect:

Auditory Sequencing Problems

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



Online information:  
[https://en.wikipedia.org/wiki/Brodmann\\_area\\_22](https://en.wikipedia.org/wiki/Brodmann_area_22)  
[www.fmriconsulting.com/brodmann/BA22.html](http://www.fmriconsulting.com/brodmann/BA22.html)