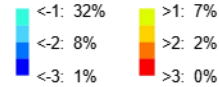


EEG ID: 237700
Test Date: 2025-05-21
Age: 23
Gender: Male
Montage: Linked Ears
Eyes: Open

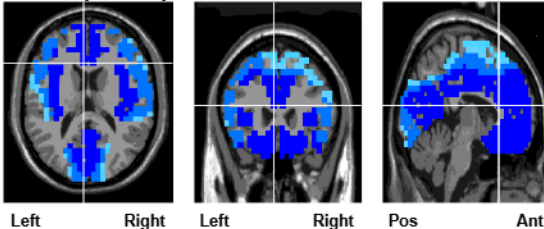
Extreme Z-scores					
Delta: Z=-4.7	3 Hz	BA: 24	hiBeta: Z=3.2	32 Hz	BA: 7
Theta: Z=-3.9	4 Hz	BA: 24	Gamma: Z=3.3	35 Hz	BA: 7
Alpha: Z=-3.2	8 Hz	BA: 24	Alpha1: Z=-3.2	8 Hz	BA: 24
loBeta: Z=-2.3	13 Hz	BA: 30	Alpha2: Z=-2.4	12 Hz	BA: 30
Beta: Z=-2.2	18 Hz	BA: 29			

Percentage Deviant Voxels (1-45Hz)

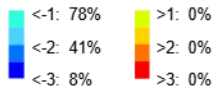


Delta (1-3Hz)

Z-score: -4.7, Frequency: 3 Hz



Percentage Deviant Voxels Delta (1-3Hz)



Brain Area:

Limbic Lobe
Anterior Cingulate
Brodmann area 24

Function:

Regulating Blood Pressure and Heart Rate
Reward Anticipation
Decision-Making
Empathy
Impulse Control
Emotion
Error Detection and Conflict Monitoring
Registering Physical Pain

Possible Symptoms of Defect:

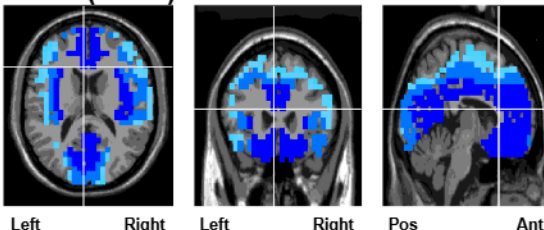
Abulia and Amotivational Syndromes
Inability to Detect Errors
Difficulty Resolving Conflict
Emotional Instability
Inattention
Schizophrenia
Hyperactivity (R)
Easily Distracted
Impulsive
Compulsive Thoughts or Behaviors
Concentration Problems
Short-Term Memory Problems
Low Motivation
Depressed

Online information:

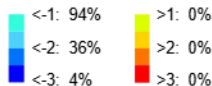
https://en.wikipedia.org/wiki/Brodmann_area_24
www.fmriconsulting.com/brodmann/BA24.html

Theta (4-7Hz)

Z-score: -3.9, Frequency: 4 Hz



Percentage Deviant Voxels Theta (4-7Hz)



Brain Area:

Limbic Lobe
Anterior Cingulate
Brodmann area 24

Function:

Regulating Blood Pressure and Heart Rate
Reward Anticipation
Decision-Making
Empathy
Impulse Control
Emotion
Error Detection and Conflict Monitoring
Registering Physical Pain

Possible Symptoms of Defect:

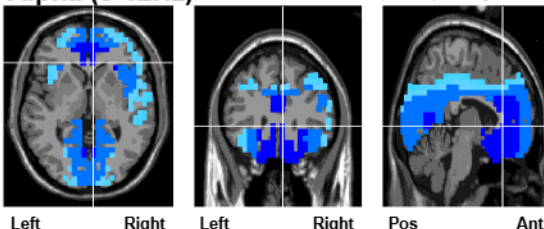
Abulia and Amotivational Syndromes
Inability to Detect Errors
Difficulty Resolving Conflict
Emotional Instability
Inattention
Schizophrenia
Hyperactivity (R)
Easily Distracted
Impulsive
Compulsive Thoughts or Behaviors
Concentration Problems
Short-Term Memory Problems
Low Motivation
Depressed

Online information:

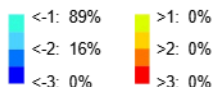
https://en.wikipedia.org/wiki/Brodmann_area_24
www.fmriconsulting.com/brodmann/BA24.html

Alpha (8-12Hz)

Z-score: -3.2, Frequency: 8 Hz



Percentage Deviant Voxels Alpha (8-12Hz)



Brain Area:

Limbic Lobe
Anterior Cingulate
Brodmann area 24

Function:

Regulating Blood Pressure and Heart Rate
Reward Anticipation
Decision-Making
Empathy
Impulse Control
Emotion
Error Detection and Conflict Monitoring
Registering Physical Pain

Possible Symptoms of Defect:

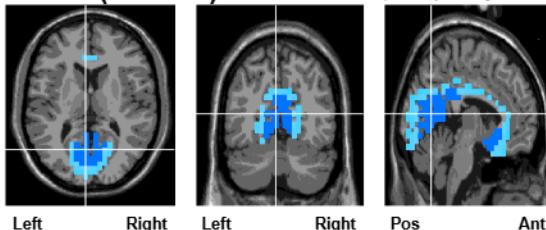
Abulia and Amotivational Syndromes
Inability to Detect Errors
Difficulty Resolving Conflict
Emotional Instability
Inattention
Schizophrenia
Hyperactivity (R)
Easily Distracted
Impulsive
Compulsive Thoughts or Behaviors
Concentration Problems
Short-Term Memory Problems
Low Motivation
Depressed

Online information:

https://en.wikipedia.org/wiki/Brodmann_area_24
www.fmriconsulting.com/brodmann/BA24.html

EEG ID: 237700
 Test Date: 2025-05-21
 Age: 23
 Gender: Male
 Montage: Linked Ears
 Eyes: Open

loBeta (13-15Hz) Z-score: -2.3, Frequency: 13 Hz



Brain Area:

Limbic Lobe
 Posterior Cingulate
 Brodmann area 30

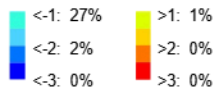
Function:

Projections Involving
 Thalamus and Cingulate
 Episodic Recall

Possible Symptoms of Defect:

Impaired Spatial Perception
 Short-Term Memory Problems
 Dyscalculia
 Slow Thought
 Easily Confused

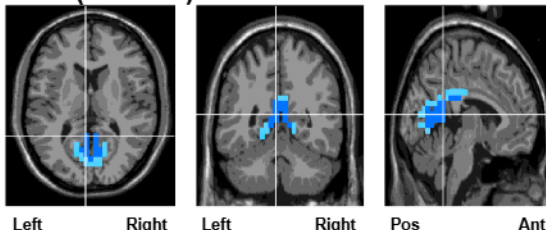
Percentage Deviant Voxels loBeta (13-15Hz)



Online information:

https://en.wikipedia.org/wiki/Brodmann_area_30
www.fmriconsulting.com/brodmann/BA30.html

Beta (16-20Hz) Z-score: -2.2, Frequency: 18 Hz



Brain Area:

Limbic Lobe
 Posterior Cingulate
 Brodmann area 29

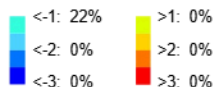
Function:

Unclear

Possible Symptoms of Defect:

Anterograde Amnesic Disorder

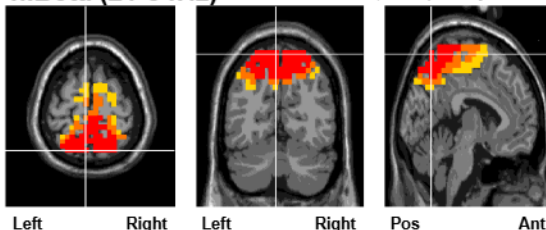
Percentage Deviant Voxels Beta (16-20Hz)



Online information:

https://en.wikipedia.org/wiki/Brodmann_area_29
www.fmriconsulting.com/brodmann/BA29.html

hiBeta (21-34Hz) Z-score: 3.2, Frequency: 32 Hz



Brain Area:

Parietal Lobe
 Precuneus
 Brodmann area 7

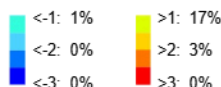
Function:

Convergence of vision and proprioception
 visio-motor coordination

Possible Symptoms of Defect:

Easily Distracted
 Poor Comprehension
 Difficulty with Social Cues (R)
 Dyslexia (L)
 Dyscalculia
 Agnosia
 Aphasia
 Focus Issues
 Obsession
 Fibromyalgia
 Impaired Spatial Perception
 Decreased Tactile or
 Skin Sensitivity
 Denial (R)
 Insensitive to Others
 Emotional Expressions (R)

Percentage Deviant Voxels hiBeta (21-34Hz)

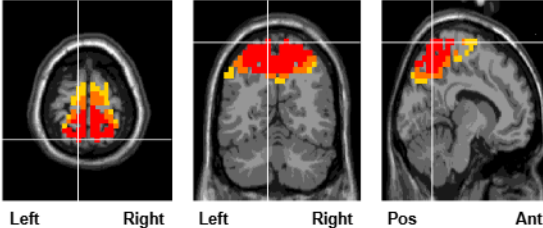


Online information:

https://en.wikipedia.org/wiki/Brodmann_area_7
www.fmriconsulting.com/brodmann/BA7.html

EEG ID: 237700
 Test Date: 2025-05-21
 Age: 23
 Gender: Male
 Montage: Linked Ears
 Eyes: Open

Gamma (35-45Hz) Z-score: 3.3, Frequency: 35 Hz



Brain Area:

Parietal Lobe
 Postcentral Gyrus
 Brodmann area 7

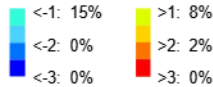
Function:

Convergence of vision and proprioception
 visio-motor coordination

Possible Symptoms of Defect:

Easily Distracted
 Poor Comprehension
 Difficulty with Social Cues (R)
 Dyslexia (L)
 Dyscalculia
 Agnosia
 Aphasia
 Focus Issues
 Obsession
 Fibromyalgia
 Impaired Spatial Perception
 Decreased Tactile or
 Skin Sensitivity
 Denial (R)
 Insensitive to Others
 Emotional Expressions (R)

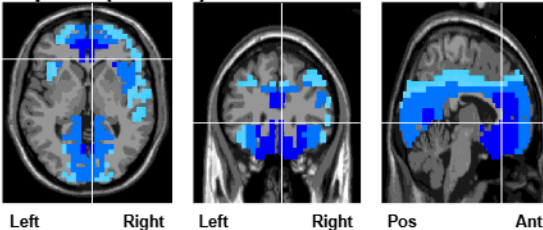
Percentage Deviant Voxels Gamma (35-45Hz)



Online information:

https://en.wikipedia.org/wiki/Brodmann_area_7
www.fmriconsulting.com/brodmann/BA7.html

Alpha1 (8-10Hz) Z-score: -3.2, Frequency: 8 Hz



Brain Area:

Limbic Lobe
 Anterior Cingulate
 Brodmann area 24

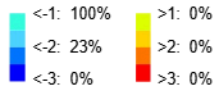
Function:

Regulating Blood Pressure and Heart Rate
 Reward Anticipation
 Decision-Making
 Empathy
 Impulse Control
 Emotion
 Error Detection and
 Conflict Monitoring
 Registering Physical Pain

Possible Symptoms of Defect:

Abulia and Amotivational Syndromes
 Inability to Detect Errors
 Difficulty Resolving Conflict
 Emotional Instability
 Inattention
 Schizophrenia
 Hyperactivity (R)
 Easily Distracted
 Impulsive
 Compulsive Thoughts or Behaviors
 Concentration Problems
 Short-Term Memory Problems
 Low Motivation
 Depressed

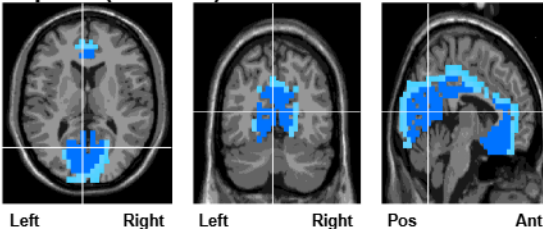
Percentage Deviant Voxels Alpha1 (8-10Hz)



Online information:

https://en.wikipedia.org/wiki/Brodmann_area_24
www.fmriconsulting.com/brodmann/BA24.html

Alpha2 (11-12Hz) Z-score: -2.4, Frequency: 12 Hz



Brain Area:

Limbic Lobe
 Posterior Cingulate
 Brodmann area 30

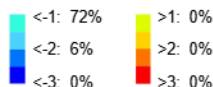
Function:

Projections Involving
 Thalamus and Cingulate
 Episodic Recall

Possible Symptoms of Defect:

Impaired Spatial Perception
 Short-Term Memory Problems
 Dyscalculia
 Slow Thought
 Easily Confused

Percentage Deviant Voxels Alpha2 (11-12Hz)



Online information:

https://en.wikipedia.org/wiki/Brodmann_area_30
www.fmriconsulting.com/brodmann/BA30.html