

What is my mission?

HEALING

T.B.I.

C.T.E.

Concussion

P.T.S.D.

Janell Royster, Ph.D.

for Joseph Dituri, Ph.D., CDR US Navy (ret)

Cognitive Concierge



TBI / CTE / Concussion



MVA

Military

Sports

Resulting PTSD



Dituri accident / struggle

High level operator

- Residual self-image
- Compensatory skills

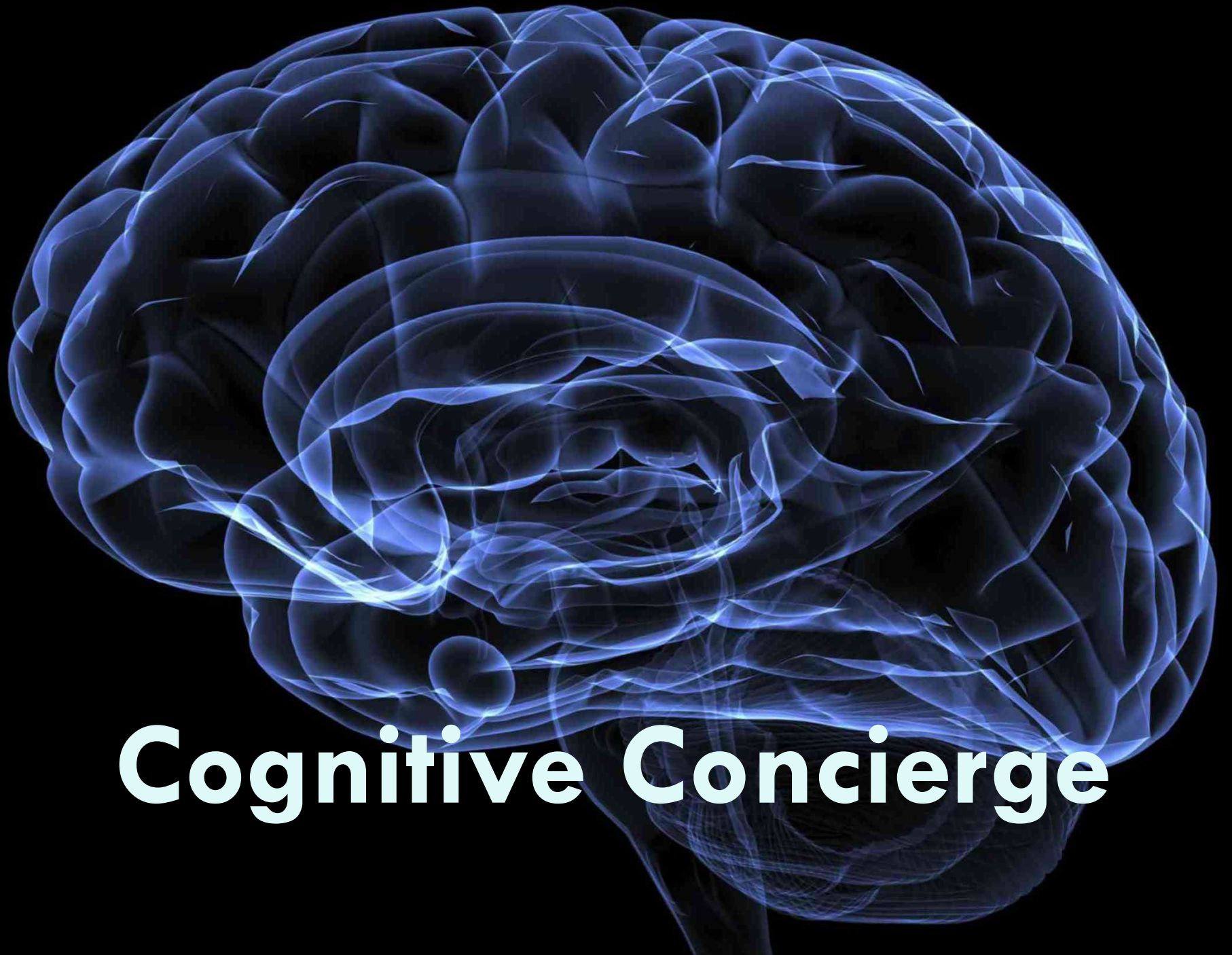


Suffering because...

“Now I’m part of the problem.”

With and Without Intervention





Cognitive Concierge

Healing

- Went at it with what I know... and it didn't work



Healing

- Various treatments used simultaneously





Our Very Special Team

Dr. Joseph Dituri – HBO 2 x per day

Dr. Janell Royster – CBT

Darin Graves – SET

Dr. Jay Rao – Life Coach

Dr. Lauren Lievea – Physical Therapy

Dr. Corvea – Clinical researcher

Dr. Paul McCarthy – MD

Dr. Michelle Galespi & Dr. Scott Younts – Peptides / Diet /
Immune support

Dr. Joseph Dituri – Neurofeedback

Dr. Kirk Parsley – Sleep



Case Story: A Tier 1 Operator

- Ex-college football player
- Wall Street wiz
- Symptoms denied and worsening for 15 years
- Suicidal ideation



Subjective Measures

Patient Profile	Percentile Range				> 74	25 - 74	9 - 24	2 - 8	< 2
	Standard Score Range				> 109	90 - 109	80 - 89	70 - 79	< 70
Domain Scores	Patient Score	Standard Score	Percentile	VI**	Above	Average	Low Average	Low	Very Low
Composite Memory	89	83	13	Yes			X		
Verbal Memory	43	71	3	Yes				X	
Visual Memory	46	103	58	Yes		X			
Reaction Time*	703	95	37	Yes		X			

Psychological Profile testing BEFORE treatment

Subjective Measures

Patient Profile	Percentile Range				> 74	25 - 74	9 - 24	2 - 8	< 2
	Standard Score Range				> 109	90 - 109	80 - 89	70 - 79	< 70
Domain Scores	Patient Score	Standard Score	Percentile	VI**	Above	Average	Low Average	Low	Very Low
Composite Memory	89	83	13	Yes			X		
Verbal Memory	43	71	3	Yes				X	
Visual Memory	46	103	58	Yes		X			
Reaction Time*	703	95	37	Yes		X			

Psychological Profile testing BEFORE treatment

Patient Profile	Percentile Range				> 74	25 - 74	9 - 24	2 - 8	< 2
	Standard Score Range				> 109	90 - 109	80 - 89	70 - 79	< 70
Domain Scores	Patient Score	Standard Score	Percentile	VI**	Above	Average	Low Average	Low	Very Low
Composite Memory	99	104	61	Yes		X			
Verbal Memory	54	106	66	Yes		X			
Visual Memory	45	100	50	Yes		X			
Executive Function	67	131	98	Yes	X				

Psychological Profile testing AFTER treatment

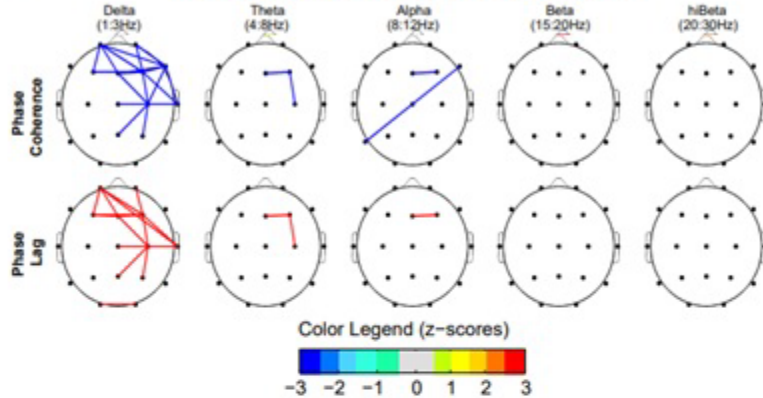
Objective Measures

EEG ID: 164937
Test Date: 2022-02-24
Age: 39.3
Gender: Male
Montage: Linked Ears
Eyes Open

Feb 24th 2022 Pre Program



Summary of the Z-score analyses

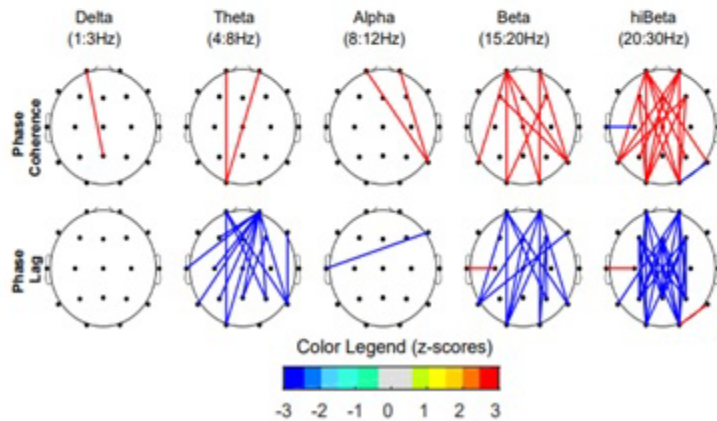


EEG ID: 388956
Test Date: 2022-04-08
Age: 46.7
Gender: Male
Montage: Linked Ears
Eyes Open

April 8th 2022 Pre Program



Summary of the Z-score analyses



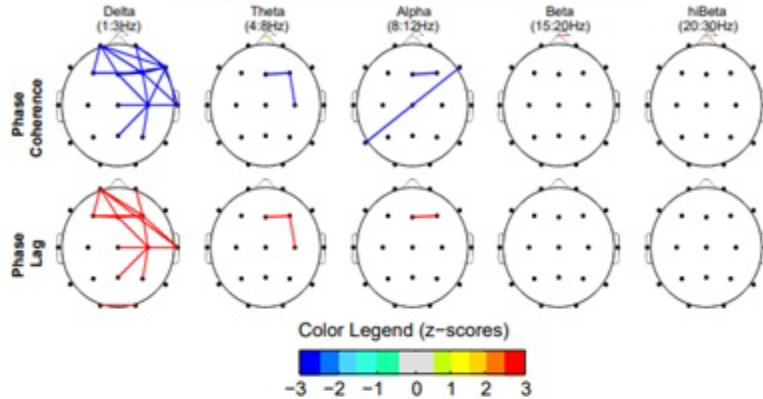
Objective Measures

EEG ID: 164937
Test Date: 2022-02-24
Age: 39.3
Gender: Male
Montage: Linked Ears
Eyes Open

Feb 24th 2022 Pre Program



Summary of the Z-score analyses

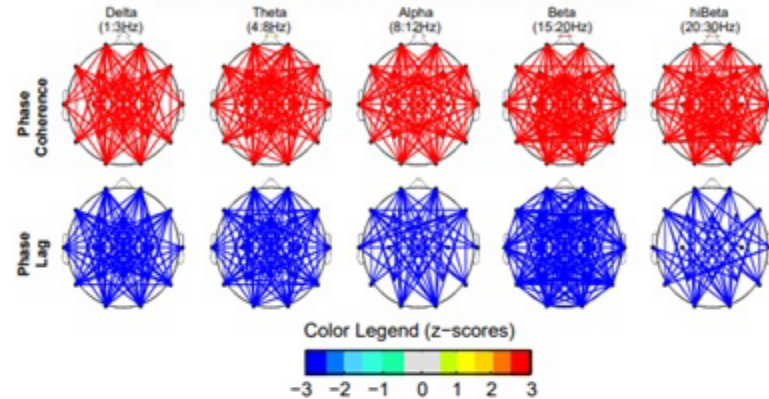


EEG ID: 585683
Test Date: 2022-04-11
Age: 39.5
Gender: Male
Montage: Linked Ears
Eyes Open

April 11th 2022 Post Program



Summary of the Z-score analyses

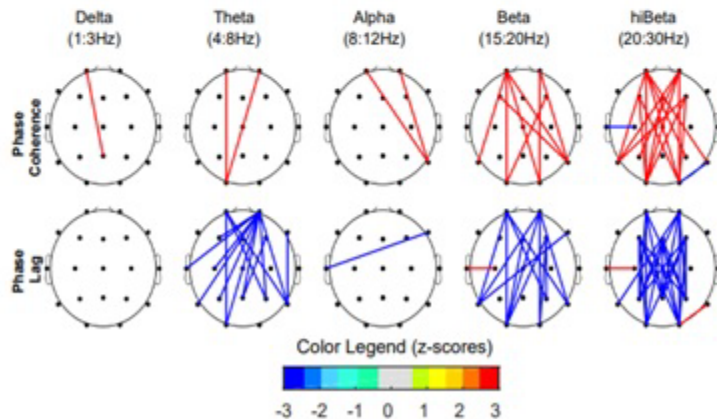


EEG ID: 388956
Test Date: 2022-04-08
Age: 46.7
Gender: Male
Montage: Linked Ears
Eyes Open

April 8th 2022 Pre Program



Summary of the Z-score analyses

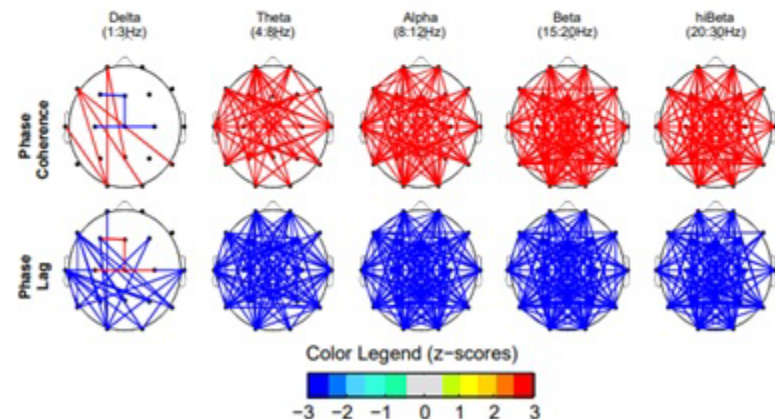


EEG ID: 293837
Test Date: 2022-05-25
Age: 52.2
Gender: Male
Montage: Linked Ears
Eyes Open

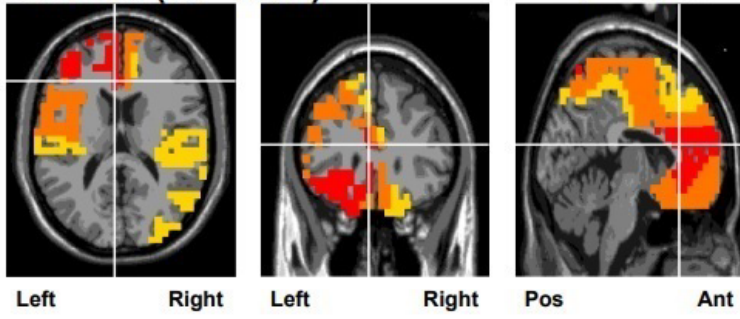
May 25th 2022 Post Program



Summary of the Z-score analyses



Gamma (35-45Hz) Z-score: 2.7, Frequency: 35 Hz

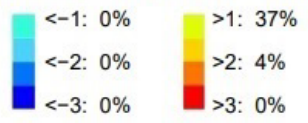


Brain Area:
Limbic Lobe
Anterior Cingulate
Brodmann area 24

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

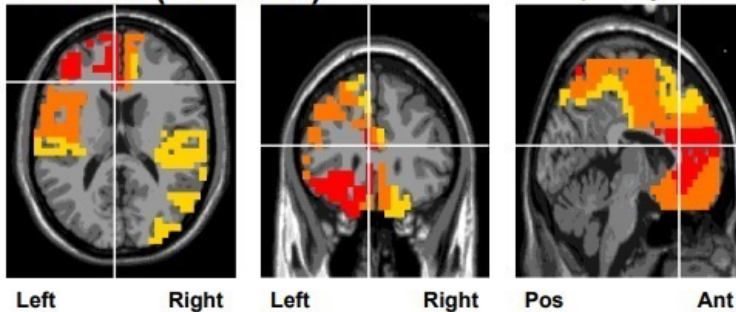
Percentage Deviant Voxels Gamma (35-45Hz)



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

BEFORE Treatment

Gamma (35-45Hz) Z-score: 2.7, Frequency: 35 Hz



Brain Area:

Limbic Lobe
Anterior Cingulate
Brodmann area 24

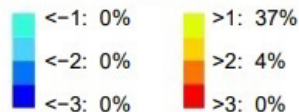
Function:

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

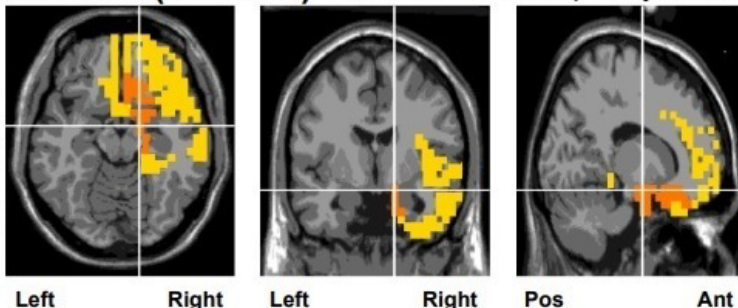
Percentage Deviant Voxels Gamma (35-45Hz)



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

BEFORE Treatment

Gamma (35-45Hz) Z-score: 2.1, Frequency: 35 Hz



Brain Area:

Limbic Lobe
Parahippocampal Gyrus
Brodmann area 28

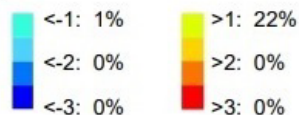
Function:

Memory
Recognition

Symptoms of Defect:

Facial Recognition Problems
Auditory Agnosia

Percentage Deviant Voxels Gamma (35-45Hz)



Online information:
https://en.wikipedia.org/wiki/Brodmann_area_28
www.fmriconsulting.com/brodmann/BA28.html

AFTER Treatment

Qualitative Measures

“Thank you. I have my Daddy back.”



Cognitive Concierge

Qualitative Measures

“I am ready to put the cleats back on.”



Cognitive Concierge

Next Steps

Lifelong vitality for more heroes



How can you help?

HEALING

T.B.I.

C.T.E.

Concussion

P.T.S.D.

Cognitive Concierge