



# QEEG Full Report

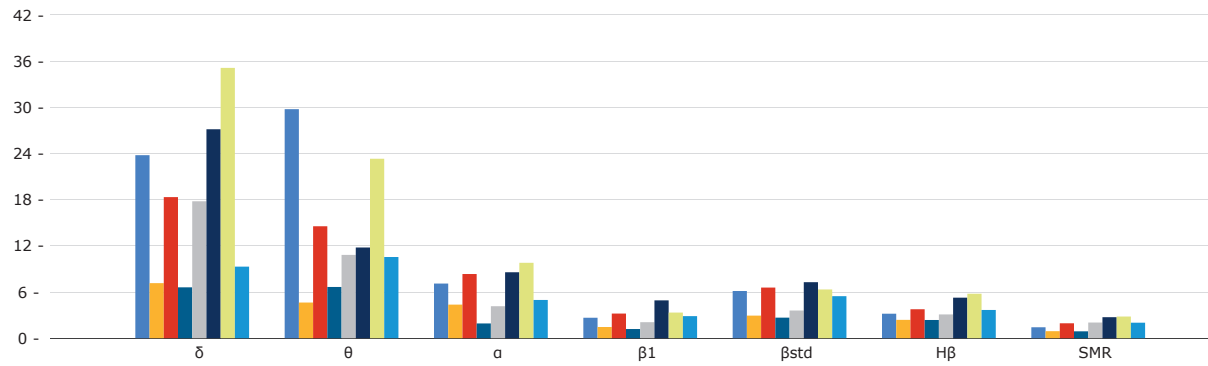
## EEG Absolute Amplitude ( $\mu\text{V}$ ):

Name: davod salhi-1111155555

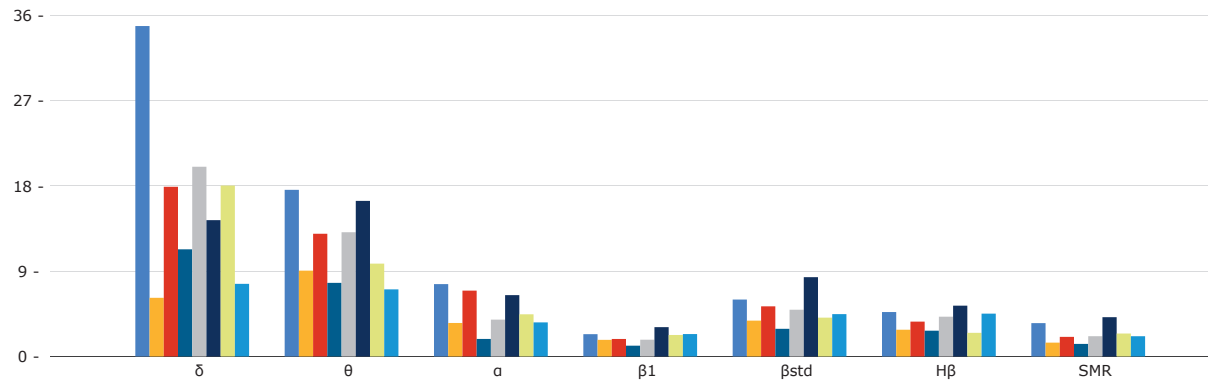
Gender:

Age:

### Eyes Open (EO)



### Eyes Closed (EC)





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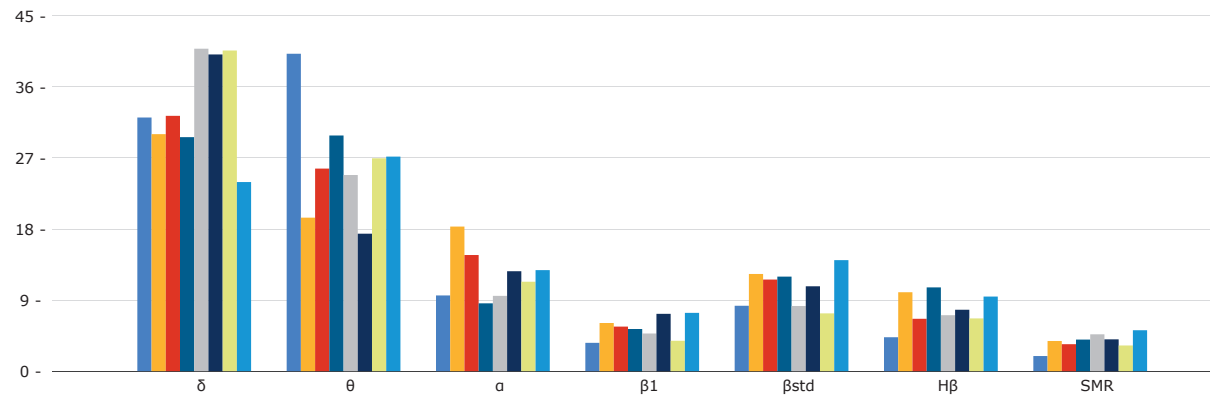
## EEG Relative Amplitude (%):

Name: davod salhi-1111155555

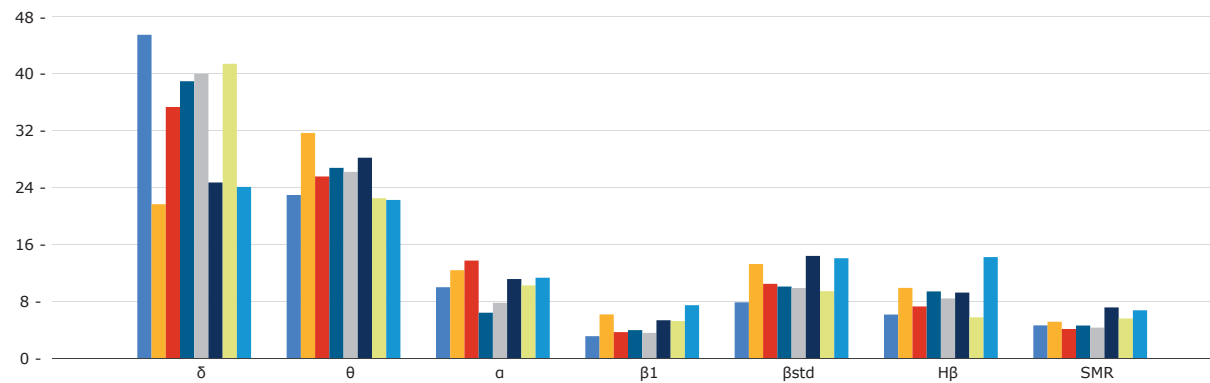
Gender:

Age:

### Eyes Open (EO)



### Eyes Closed (EC)





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## Tabulated Data:

Name: davod salhi-1111155555

Gender:

Age:

### Eyes Open (EO)

Channel	$\delta$ Absolute	$\theta$ Absolute	$\alpha$ Absolute	$\beta 1$ Absolute	$\beta std$ Absolute	H $\beta$ Absolute	SMR Absolute	$\delta$ Relative	$\theta$ Relative	$\alpha$ Relative	$\beta 1$ Relative	$\beta std$ Relative	H $\beta$ Relative	SMR Relative	$\theta / \beta$ ratio	$\theta / SMR$ ratio	Alpha Peak
F3	23.77	29.75	7.1	2.66	6.13	3.18	1.42	32.12	40.2	9.59	3.59	8.28	4.3	1.92	4.33	20.96	7
FZ	7.15	4.63	4.36	1.45	2.93	2.38	0.91	30.02	19.44	18.31	6.1	12.31	10	3.82	1.75	5.09	9
F4	18.33	14.54	8.34	3.2	6.58	3.76	1.94	32.34	25.65	14.71	5.65	11.6	6.63	3.42	2.52	7.51	8
C3	6.61	6.65	1.92	1.19	2.67	2.37	0.89	29.64	29.85	8.59	5.34	11.97	10.61	4	2.62	7.46	10.5
C4	17.78	10.82	4.15	2.08	3.59	3.09	2.03	40.84	24.84	9.54	4.77	8.26	7.09	4.67	3.8	5.32	7
P3	27.14	11.78	8.56	4.91	7.27	5.26	2.73	40.11	17.41	12.66	7.26	10.75	7.78	4.03	1.68	4.32	8.5
Pz	35.11	23.31	9.79	3.33	6.33	5.78	2.81	40.61	26.96	11.33	3.85	7.32	6.68	3.25	4.88	8.28	8
P4	9.29	10.54	4.97	2.87	5.46	3.67	2.01	23.95	27.17	12.8	7.38	14.06	9.45	5.18	2.11	5.24	7

### Eyes Closed (EC)

Channel	$\delta$ Absolute	$\theta$ Absolute	$\alpha$ Absolute	$\beta 1$ Absolute	$\beta std$ Absolute	H $\beta$ Absolute	SMR Absolute	$\delta$ Relative	$\theta$ Relative	$\alpha$ Relative	$\beta 1$ Relative	$\beta std$ Relative	H $\beta$ Relative	SMR Relative	$\theta / \beta$ ratio	$\theta / SMR$ ratio	Alpha Peak
F3	34.87	17.59	7.64	2.35	6.01	4.69	3.52	45.48	22.94	9.96	3.07	7.84	6.12	4.59	4.19	5	6.5
FZ	6.19	9.06	3.54	1.76	3.78	2.82	1.46	21.64	31.66	12.36	6.13	13.23	9.87	5.11	3.09	6.2	7.5
F4	17.91	12.95	6.95	1.85	5.29	3.68	2.07	35.32	25.55	13.71	3.65	10.44	7.26	4.08	2.5	6.26	7.5
C3	11.31	7.77	1.85	1.14	2.92	2.72	1.33	38.94	26.76	6.38	3.92	10.06	9.37	4.57	3.23	5.86	8.5
C4	20.02	13.11	3.89	1.77	4.93	4.2	2.14	39.99	26.19	7.77	3.53	9.85	8.39	4.27	2.7	6.13	6
P3	14.39	16.42	6.47	3.1	8.37	5.36	4.15	24.7	28.19	11.11	5.31	14.37	9.21	7.12	2.32	3.96	6
Pz	18.04	9.8	4.45	2.27	4.1	2.5	2.42	41.4	22.49	10.22	5.21	9.41	5.73	5.56	3.72	4.04	7
P4	7.67	7.08	3.6	2.37	4.47	4.52	2.14	24.07	22.24	11.3	7.43	14.04	14.2	6.71	1.8	3.31	7.5



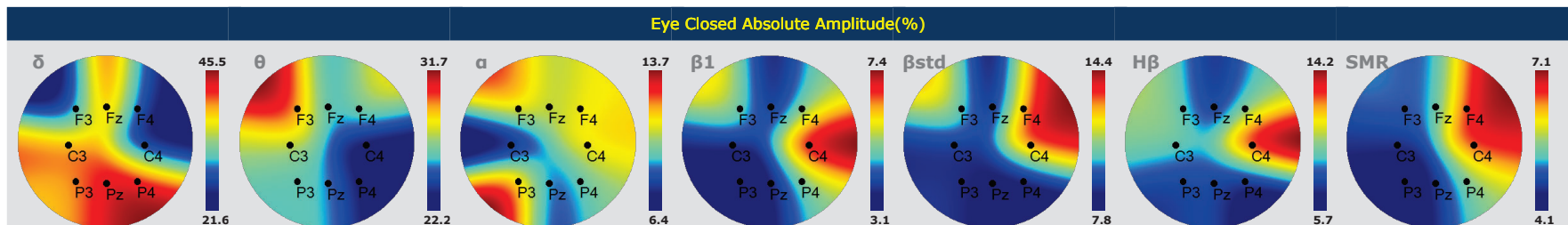
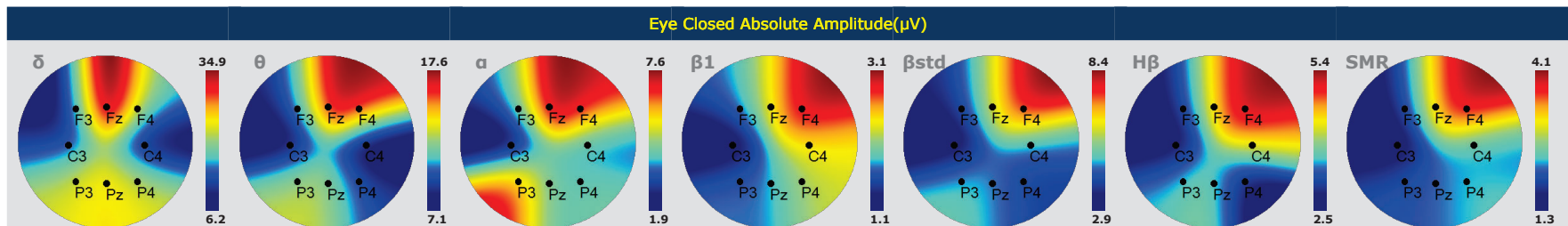
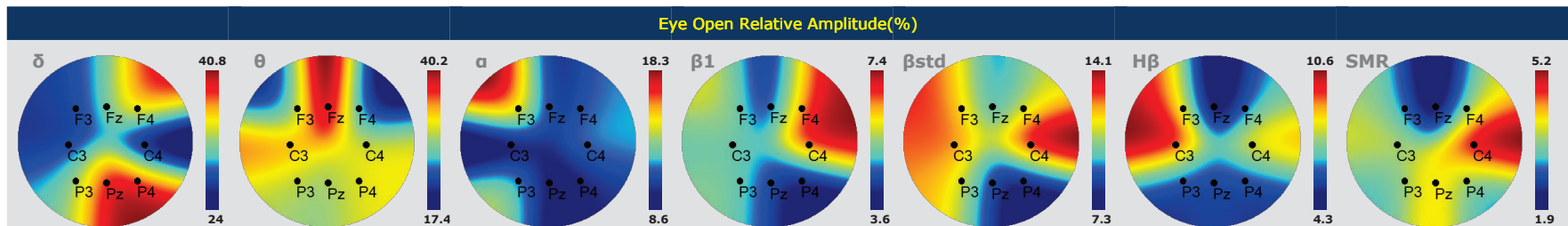
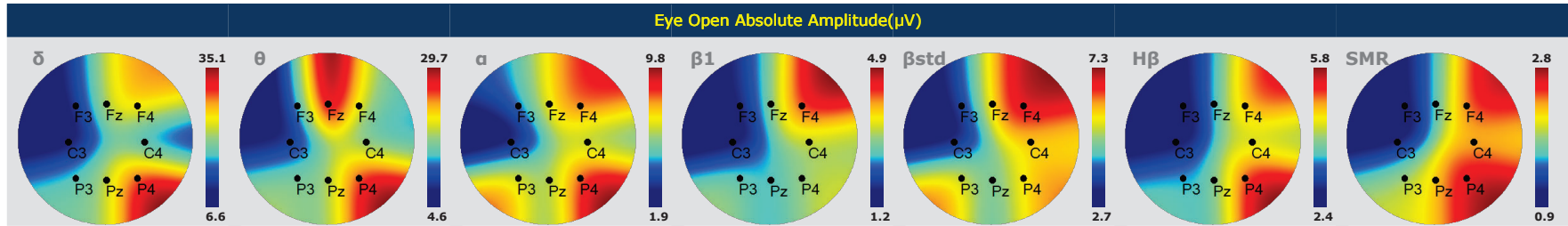
# QEEG Full Report

## Topographic Head Plots:

Name: davod salhi-1111155555

Gender:

Age:





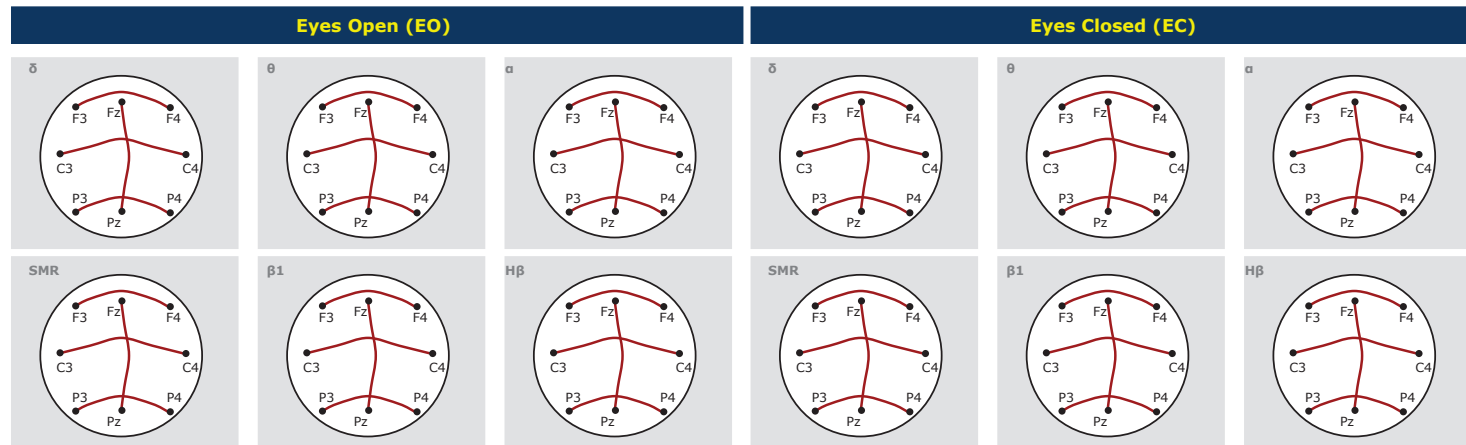
# QEEG Full Report

## Coherence Data:

Name: davod salhi-1111155555

Gender:

Age:



Band	Anterior-Posterior	Frontal	Central	Parietal
δ	87.05	88.77	77.38	81.18
θ	89.77	67.17	78.36	84.15
α	83.18	85.83	82.68	84.82
SMR	75.94	80.67	88.22	80.3
β1	79.81	82.01	80.88	83.87
Hβ	77.21	79.91	85.95	85.42

Band	Anterior-Posterior	Frontal	Central	Parietal
δ	86.01	81.21	84.06	83.49
θ	82.06	69.49	79.42	83.63
α	74.16	69.23	69.02	82.32
SMR	85.94	70.95	84.94	66.07
β1	80.2	76.09	69.98	75.61
Hβ	83.02	79.8	84.14	68.37



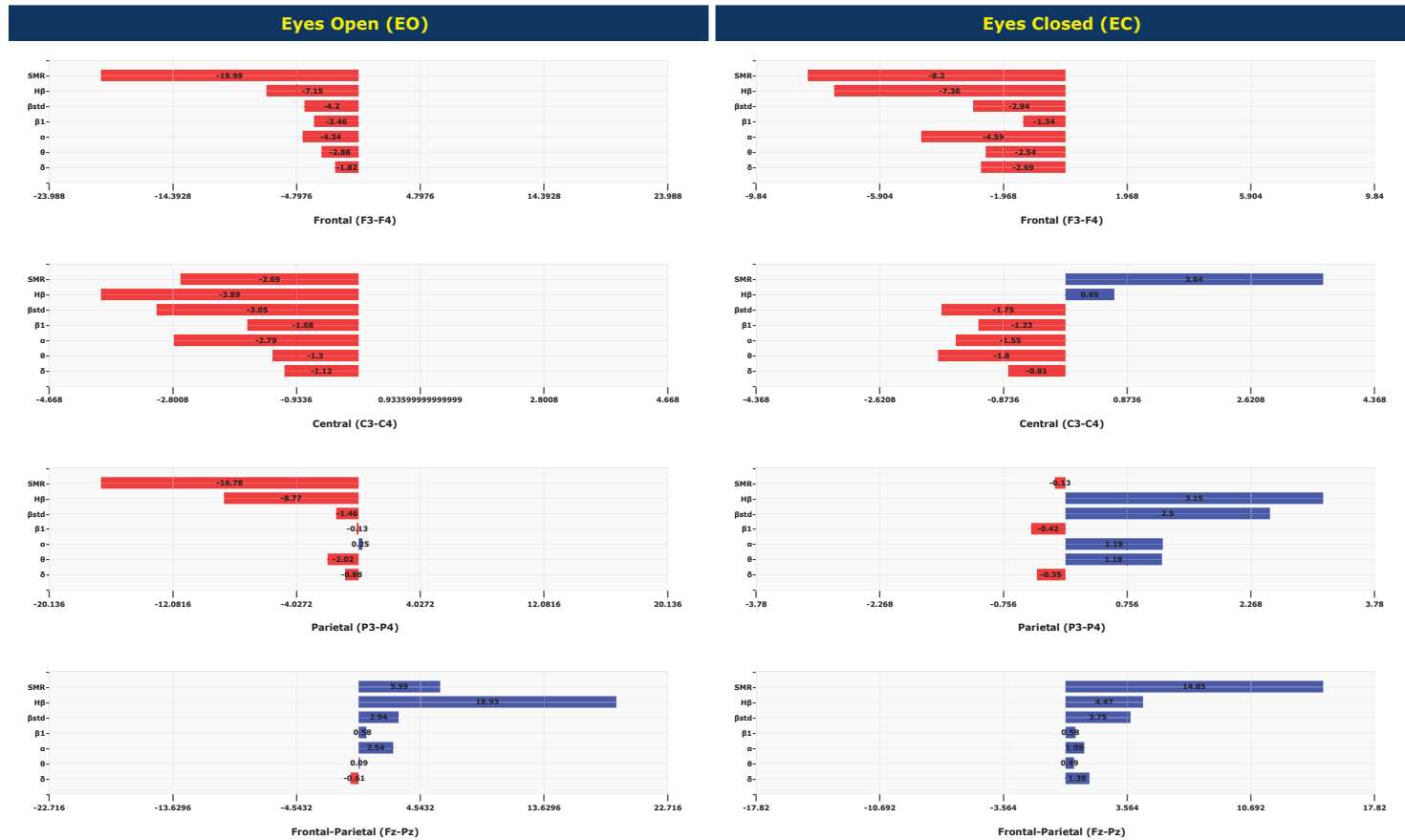
# QEEG Full Report

## Asymerty Plots:

Name: davod salhi-1111155555

Gender:

Age:





# QEEG Full Report

Name: davod salhi-1111155555

Gender:

Age:

## Neuropsychiatric EEG-based Assessment(NEBA)

Sleep Index

4.58

Brain Speed

6.83

Impulsivity/Mood Index

-0.45

Attention Index

2.36

## Clinical Outcomes

Electrode	Parameter	Value	Probe
Mean C3,C4	Percent change EO to EC Alpha > 30%	84.56	If < 30% or negative, probe for visual processing (memory) problem, poor retention of information and/or poor short term memory; also refer to Pz Alpha EO to EC description.
Mean C3,C4	EO Theta/Beta < 2.2	2.21	If > 2.2, probe for Common Attention Deficit Disorder (CADD).
Mean C3,C4	Total Amplitude < 60	23.76	If > 60 probe for development delay, autistic spectrum behavior or marked cognitive deficits.
Mean C3,C4	Alpha Peak Frequency EC > 9.5	8	If < 9.5 probe for mental sluggishness.
Mean C3,C4	Alpha Peak Frequency EO > 9.5	8.75	If < 9.5 probe for mental sluggishness.
Mean C3,C4	Theta/SMR EC < 3	4.58	If > 3, probe for inability to sit still or quiet the body, sleep disturbance as in trouble falling asleep. If > 3, probe for problems related to muscle activity such as headaches, chronic pain, body tremors, dystonia & seizure disorders that have a motor component.
Pz	% Change in Alpha EO to EC > 50%	93.63	If EC increase is < 50% or negative and also seen at C3/C4, probe for traumatic stress. If +150% probe for artistic interest or skills (visual arts, dance, poetry, carpentry, etc.)
Pz	Theta/Beta EO 1.8 - 2.2	3.8	If < 1.8, probe for poor stress tolerance, racing thoughts, anxiety, inefficient self-quieting. If << 1.8 probe for predisposition to self-medicating behaviors, GAD & stress precipitated depression. If > 3.0 probe for cognitive deficiencies or Asperger's patterns; also see F4/F3 Beta for symptom. Also applies to T/B EC. If both EC and EO about = or < 1.5, probe for sleep disturbance. Also see T / B EC for description of probes.



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Gender:

Age:

Electrode	Parameter	Value	Probe
Pz	Theta/Beta EC 1.8 - 2.2	2.7	If < 1.8, probe for poor stress tolerance, racing thoughts, anxiety, inefficient self-quieting. If << 1.8 probe for predisposition to self-medicating behaviors, GAD & stress precipitated depression. If > 3.0 probe for cognitive deficiencies or Asperger's patterns; also see F4/F3 Beta for symptom. Also applies to T/B EC. If both EC and EO about = or < 1.5, probe for sleep disturbance. Also see T / B EC for description of probes.
Pz	% change EO to EC T/B ratio > 25%	71.17	If % is negative or < 25, question sleep onset difficulties. Positive % means an increase from EO to EC.
Pz	Alpha Peak Frequency EC > 9.5	6	If < 9.5, probe for mental sluggishness.
Pz	Alpha Peak Frequency EO > 9.5	7	If < 9.5, probe for mental sluggishness.
F3	Theta /Beta EC < 2.2	3.09	If F3 Theta/Beta EC > 2.2, probe for cognitive deficiencies associated with retrieval of information. Probe for depression in adults & impulse control in children
F3	Theta /Alpha EC 1.2 - 1.6	2.56	If < 1.0, probe for frontal Alpha ADD - problems with organization, sequencing, sustained focus, planning, task completion, staying on task, talkativeness. If << 0.8 probe for fibromyalgia, chronic fatigue and sleep disturbance.
F3	Total Amplitude EC < 60	21.71	If > 60, probe for development delays, autism spectrum disorder (especially if Pz Theta is high and the anterior cingulate gyrus is hot); memory / cognitive deficits in adults.
F4	Theta /Beta EC < 2.2	2.32	If F4 Theta/Beta EC > 2.2, probe for cognitive deficiencies associated with retrieval of information; emotional volatility, anger management problems, emotional impulse control; emotional restriction(very narrow emotional window).
F4	Theta /Alpha EC 1.2 - 1.6	2.54	If < 1.0, probe for frontal Alpha ADD - problems with organization, sequencing, sustained focus, planning, task completion, staying on task, talkativeness. If << 0.8 probe for fibromyalgia, chronic fatigue and sleep disturbance.
F4	Total Amplitude EC < 60	44.36	If > 60, probe for development delays, autism spectrum disorder (especially if Pz Theta is high and the anterior cingulate gyrus is hot); memory / cognitive deficits in adults.
F3/F4	% Difference between F3 T/B & F4 T/B <20%	33.42	If % difference between F3 T/B & F4 T/B EC is > 20% probe for emotional volatility, anger management problems, emotional impulse control. In males, in particular, emotional restrictions (very narrow emotional window) that seems to be a response to or effort to control emotional volatility





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Gender:

Age:

Electrode	Parameter	Value	Probe
F3/F4	F4 / F3 Beta EC < +-15%	-58.65	If F4 Beta 15% > F3 Beta (positive %), probe for predisposition to depressed mood states in adults and impulse control in children. If F4 Beta 20% > F3 Beta and F4/F3 Theta > 20% and F4 T/A 20% < F3 T/A (particularly when Pz T/B < 1.5), probe for fibromyalgia / chronic fatigue.
F3/F4	F4 / F3 Alpha < +-15%	-45.39	If F3 Alpha 15% > F4 Alpha (negative %), probe for depression in adults and impulse control in children. If F4 Alpha > F3 Alpha (positive %), probe for oppositional, defiant and socially aggressive or socially indifferent behavior; general elevated Alpha associated with emotional dysregulation.
F3/F4	F4 / F3 Theta < +-15%	-44.83	If F4 Theta 15% > F3 Theta (positive %), probe for emotional volatility or conversely restricted emotional range. If F3 Theta 15% > F4 Theta (negative %), probe for depression in adults & impulse control in children.
Fz	Delta 2 Hz EC < 9.0	34.87	If Delta (2 Hz) EC > 9.0 probe for cognitive deficits such as problems with concentration forgetfulness and comprehension, higher values can be associated with developmental delays and pain will usually see remarkable patterns in F3 and F4 if Delta is high
Fz	HiBeta/Beta 0.45 -0.55	1.12	If HiBeta/Beta < 0.45, probe for excessive passiveness. If > 0.55, probe for stubborn behavior, OC tendencies or OCD, perseveration in autistic spectrum behaviors. Assume hot midline (anterior cingulate gyrus) in treatment of autistic spectrum behaviors. If > 0.60 or < 0.40, probe for anxiety; If > 0.80, probe for O / C behaviors. If < 0.35, problematic passivity; 0.45 = open - minded and conciliatory. Caution! If there is an extremely elevated Beta amplitude, minimal ratio may result that does not indicate passive behavior.
Fz	Sum HiBeta + Beta < 15	0.27	If Sum HiBeta + Beta > 15, probe for autistic spectrum behavior. Implications of the 2 HiBeta values apply only if sum of amplitudes of 28-40 Hz & Beta < 15. If summated amplitudes > 15, but 28-40/Beta is within normative range, probe for fretting and assume hot midline in treatment of autistic spectrum behaviors. When < 15, clients reported less annoying thoughts: If > 16, hot midline.
Fz/Pz	Fz / Pz Beta > 15%	10.15	If Fz Beta 15% < Pz Beta, probe for predisposition to depressed mood states in adults and impulse control in children.
Fz/Pz	Pz / Fz Alpha > 15%	96.42	If Pz Alpha 15% < Fz alpha, probe for predisposition to depressed mood states in adults and impulse control in children.
C3	C3 SMR / High Beta > 1	0.49	If < 1 probe for ADHD (distractible, impulsive, emotionally labile), Tourettes, Autistic, PDD (Pervasive Developmental Disorder), Poor anger control and Anxiety / panic attacks



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Gender:

Age:

Electrode	Parameter	Value	Probe
C4	C4 SMR / High Beta > 1	0.47	If < 1 probe for ADHD (distractible, impulsive, emotionally labile), Tourettes, Autistic, PDD (Pervasive Developmental Disorder), Poor anger control and Anxiety / panic attacks
F3/F4 Coherence	Beta Coherence F3-F4 < 60%	76.31	If coherence > 60% probe for seizures; electrical explosions. Extreme emotional lability as protection there is usually tendency to be in control of people and environment. Sensory defensiveness, i.e. sensitivity to smell, touch, sound, light.
C3/C4 Coherence	Beta Coherence C3/C4 < 50%	78.94	If coherence > 50% probe for seizures; electrical explosions. Extreme emotional lability as protection there is usually tendency to be in control of people and environment. Sensory defensiveness, i.e. sensitivity to smell, touch, sound, light.
P3/P4 Coherence	Beta Coherence P3/P4 < 60%	78.15	If coherence > 60% probe for seizures; electrical explosions. Extreme emotional lability as protection there is usually tendency to be in control of people and environment. Sensory defensiveness, i.e. sensitivity to smell, touch, sound, light.
F3/F4 Coherence	High Beta Coherence F3/F4 < 60%	79.91	If coherence > 60% probe for seizures; electrical explosions. Extreme emotional lability as protection there is usually tendency to be in control of people and environment. Sensory defensiveness, i.e. sensitivity to smell, touch, sound, light.
C3/C4 Coherence	High Beta Coherence C3/C4 < 50%	76.31	If coherence > 50% probe for seizures; electrical explosions. Extreme emotional lability as protection there is usually tendency to be in control of people and environment. Sensory defensiveness, i.e. sensitivity to smell, touch, sound, light.
P3/P4 Coherence	High Beta Coherence P3/P4 < 50%	78.15	If coherence > 50% probe for seizures; electrical explosions. Extreme emotional lability as protection there is usually tendency to be in control of people and environment. Sensory defensiveness, i.e. sensitivity to smell, touch, sound, light.