

EEG Pharmacology

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Anticonvulsants		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
Lorazepam	Ativan, Temesta				-					
	+				-	+				
Carbamazepine	Carbatrol, Epitol, Equetro, Tegretol			+				-		
	+	Yes								
	+		+	+						
	+		+	+				-		
	+		+	+				-		
Valproate	Depakene, Depakote, Epilim, Stavzor		-	-						
	+		-	-						*
	+								-	
	+				10-12 Hz	-				*
	+		-	-						
Phenytoin	Dilantin, Di-Phen, Phenytek		+	+						
	Dilantin, Eptoin, Epanutin, Phenytek		+	+						
	+		+	+				-		
Tiagabine	Gabitril					15-20 Hz				
Levetiracetam	Keppra	Some								
	+			-	10-12 Hz	15-20 Hz				*
	+					15-20 Hz				*
	+									
Lamotrigine	Lamictal			-	-					*
	+		-	-			-	+		
	+							+	-	
	+							+	-	
	+		-	-	+	+				*
	+		-							
Vigabatrin	Sabril			-	-	-				*
Topiramate	Topamax			+	-	+				*
	+		+	+		-				
	+		+	+	8-10 Hz				+	

	+		=	=				=		
Oxcarbazepine	Trileptal	Few								
	+		+	+				-		
	+		+	+				-		
Depakote	Valproac Acid			-	+					

Alpha Blockers		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
phenoxybenzamine	Dibenzyline								+	
prazosin	Minipress, Vasoflex, Pressin, Hypovase								+	

Analeptics		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
dextroamphetamine	Adderall			-		+				
	+									
	+									*
	+				+					
amphetamine	Adderall, Benzedrine, Dexedrine, Dextrostat, Desoxyn, Procentra, Vyvanse		-		+				+	
	+		-	6-8 Hz	+	12-15 Hz			+	
	Caffeine				-					
	+				-					
cocaine	Cocaine		-		+					
	+		-	-	-					
	+		-	-		+				
	+		-	-	+					
	+		-	-	+					
	+				8-10 Hz	+				
	+					+				
	+				-	+				
	+		+							*
	+			+	+					
	Crack		-	-	+					*
MDMA	Ecstasy		+							*

methamphetamine	Meth		+	+						
	+						+			
modafinil	Modafinil			+	10-12 Hz	-		-		
	+			-	-					
	+								-	
	+									
	+			+						
	Provigil, Alertec, Modavigil, Modalert, Modiodal, Modafinilo, Carim, Vigia					+	-			
methylphenidate	Ritalin, Mph			-						
	+			-						
	+				-					*
	+								+	
	+				+					
	+				+					
	+			-	+	+				*
	+							+		
	+					+				
	+			-	+	+				*
	+		+	+	+	15-18 Hz				*
	+		-	-	+	+				*
	+		-	-	+	+				*
	+			+			+			
	+									
	+									
	Stimulant					-			-	
	+					+				*
	+					+				*
	+			+						*
	+			+	+					*

Anesthesia		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
equitensine	Equitensine									
ketamine	Ketamine			*						
	+		-							
	+			+						

Anticholinergics		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
biperiden	Akineton							-		
	+			+	+					*
	+		+		8-10 Hz					
physostigmine	Antilirium, Eserine		*		*					
	+		*		*					
donepezil	Aricept		+		*	*				
	+		-	+	+	+				
	+		-		-					
	+			-		-				
	+		-	-						
atropine	Belladona		+							
tacrine	Cognex		*		*					
	+		*		*					
galantamine	Nivalin, Razadyne, Reminyl, Lycoremine		*		*					
	+		*		*					
	+					-				
galanthamine	+			=	+			-		
mazaticol	Pentona							-		

Antihistamines		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
levoprotiline	Levoprotiline					+		-		*
maroxepine	Maroxepine					+		-		*
terfenadine	Seldane		+							
	+		+	+	-					
hydroxyzine	Vistaril, Atarax		+	+	-	12-15 Hz				

Antihypertensives		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes

clonidine	Catapres, Kapvay, Nexiclon					-				*
	+				+		-	+		
	+								+	

Antinorepinephrinergic & Serotonergic Medications		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
lithium antinorepinephrinergic, serotonergic	Eskalith, Lithobid				1	15-20 Hz				
	+									*
	+				-					*
	+				+					*
	+				+					
	+					15-20 Hz				*
	+					+				
	+		+	+						
	+		+			+			+	*
	+									*
	+			+		1				
	+							-		
	+				8-10 Hz	15-20 Hz				

Antiviral Medications		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
amantadine	Symmetrel		-	-	+	12-15 Hz				

Anxiolytics		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
enciprazine	Enciprazine		-	-	+	+				
umespirone	Umespirone		+	+	-	-				*

Atypical Antipsychotics		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
aripiprazole	Abilify				-			-		
clozapine	Clozaril , Azaleptin , Leponex , Fazaclo , Froidir , Denzapine , Klozapol , Clopine , Zaponex		+	+	-	15-20 Hz		-		
	±	yes								
	±		+	+	10-12 Hz	-				
	±		+	+	8-10 Hz	15-20 Hz				*
	±		+	+	8-10 Hz	15-18 Hz				*
	±								+	*
	±				+					
	±		+	+						
	±				8-10 Hz	-				*
	±		+	+	8-10 Hz	-				
	±			+						*
	±		+	+				+	+	*
	±	yes					-			
sulpiride	Meresa , Bosnyl , Dogmatil , Dolmatil , Eglonyl , Modal ; As Espiride		+	+	-	-				
zotepine	Nipolept , Losizopilon , Lodopin , Setous		+	+	-			-		
	±			+	-	-		-		
risperidone	Risperdal									*
	±									*
	±		+	4-6 Hz						
	±	some								
	±									
	±				+	12-15 Hz				
	±				+	12-15 Hz				
	±		+	4-6 Hz						
	±									
	±			+						
remoxipride	Roxiam		-			+				
quetiapine	Seroquel		+	4-6 Hz						
	±				8-10 Hz					
	±									
	±									
	±		+							

	<u>+</u>		+	4-6 Hz						
	<u>+</u>									
	<u>+</u>		-	+	+	+				
amisulpride	Solian, Sulpitac, Amitrex Or Soltus		-	-		+				
olanzapine	Zyprexa, Zalasta, Zolafren, Olzapin, Oferta, Zypadhera									
	<u>+</u>	yes								
	<u>+</u>									
	<u>+</u>			+	8-12 Hz	-				*
	<u>+</u>			+	8-10 Hz	-				*
	<u>+</u>				10-12 Hz	12-15 Hz				*
	<u>+</u>		+							*
	<u>+</u>		+							*
	<u>+</u>			+						
	<u>+</u>			+	10-12 Hz	2				*
	<u>+</u>			+	10-12 Hz	15-20 Hz				
	<u>+</u>			+	-	-				*

Benzodiazepines		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
triazolam	Apo-Triazo, Halcion, Hypam, Trilam		-			+				
bromazepam	Lectopam, Lexotan, Lexilium, Lexaurin, Brazepam, Bromaze, And Lexotaniil			*						*
temazepam	Restoril, Temazepam		-			+				
	<u>+</u>				=					
diazepam	Valium	Spiking								
	<u>+</u>				8-10 Hz					
	<u>+</u>				8-10 Hz					
	<u>+</u>		-	-		+				
	<u>+</u>		-	4-16 Hz	-	15-20 Hz				*
	<u>+</u>		-		-	+				
	<u>+</u>					+				
	<u>+</u>					+				
	<u>+</u>			+		+				*
	<u>+</u>					15-20 Hz				
	<u>+</u>			+						*
	<u>+</u>		+	+						
	<u>+</u>		+	+	-	12-15 Hz				

	<u>+</u>						-			
alprazolam	Xanax, Niravam			*		+		*		*
	<u>+</u>					+				
	<u>+</u>					+				
	<u>+</u>					+				
	<u>+</u>					+				*
	<u>+</u>				-	15-20 Hz				
Benzodiazepine	Benzodiazepine					+				
	<u>+</u>					+				
	<u>+</u>		+		-	+				*
	<u>+</u>		+		-	12-15 Hz				
	<u>+</u>									*
clonazepam	Klonopin, Rivotril					*				*

Beta Blockers		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
propranolol	Inderal, Avlocardyl, Deralin, Dociton, Inderalici, Innopran, Sumial, Anaprilinum, Bedranol						+			
propranolol (d-)	<u>+</u>							-		
pindolol	Visken, Betapindol, Pinbetol, Prindolol, Pynastin +							-		

Cholinergics		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
Artane, Apo-Trihex	trihexyphenidyl							-		

CNS Depressants		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
ethanol	Alcohol					+				
<u>+</u>					8-10 Hz					*

Dopamine Agonists		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
bromocriptine	Parlodel, Cycloset		-	-	+	12-15 Hz				
	+							-		
raclopride	Raclopride									

Nonselective Dopamine Agonists (NSDAs)		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
apomorphine	Apokyn, Ixense, Spontane, Uprima			-	-					
	+								-	
	+			+	+					
	+						+			

Dopamine Antagonists		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
	Neuroleptics		+	+		-				
	+			+		12-15 Hz				
	+	Some								
saxoxepine Dopamine antagonist	Saxoxepine					+		-		*

GABA Analogues		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes

gabapentin	Fanatrex, Gabarone, Gralise, Neurontin, Nupentin		+	+				-		
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Hallucinogens / Psychedelics		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
THC	Marijuana				-					
	+				10-12 Hz	15-20 Hz				*
	+							-		
	+			-						*
	+			-						
	+			-	8-10 Hz					
	+			+						*
	+				+					
	+				+					*
	+				10-12 Hz					
	+				+					*
	+				*				+	*
PCP	Pcp						-			
	+		+		-	-				
LSD	Delysid				8-10 Hz					
	+				8-10 Hz					*

Hormones		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
cortisol	Cortisol				+					
histamine	Histamine									*
prolactin	Prolactin			+						

Hypnotics		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes

zolpidem	Ambien, Stilnox				-	+				
	+		+		-	+				
	+		-							
	+			-						
	+			-	8-10 Hz					
	+			-	-	12-15 Hz				
	+					+				
	+		+	+						
eszopiclone	Lunesta, Lunestar			-						
pentobarbital	Nembutal	Yes								

Monoamine Oxidase Inbibitors (MAOIs)		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
phenelzine	Nardil, Nardelzine			+						
	+			+						

Monoamine Oxidase Inbibitors (MAOIs)		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
meperidine	Demerol		+	+	-					

Nicotinic Acetelcholine Receptors		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
methyllcaconitine	Methyllcaconitine		*		* 10-12 Hz					

NMDA Antagonists		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
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Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
memantine	Namenda								-	

Noradrenergics		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
cirazoline	Cirazoline								-	

Norepinephrine Reuptake Inhibitors (NRIs)		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
atomoxetine	Strattera, Tomoxetin, Attentin					+				
	±					+				

Opioid Antagonists		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
naltrexone	Revia , Depade		-			+				

Opiotes		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
fentanyl	Actiq, Duragesic, Sublimaze		+	+						
morphine	Morphine			+	+					
opiotes	Opium +		+							

Organics		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
ademetionine	SAMe		+		-		-		-	
l-dopa	Sinemet, Parcopa, Atamet, Stalevo, Madopar, Prolopa				8-12 Hz	+				
ascorbic acid	Vitamin C					+				*
yohimbine	Yohimbine								-	

Serotonin Agonists		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
rizatriptan	Maxalt				+					

Serotonin Agonists; Dopamine & Adrenergic Antagonists		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
buspirone	Buspar, Dividose, Vanspar							-		
	+		-	-	+	+				
	+			-	-	-				
	+			+						*
	+			+	-	-				*
	+						-			
	+						-			
	+				+		-			

Serotonin Antagonist and Reuptake Inhibitors (SARIs)		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes

Desyrel , Oleptro, Beneficat, Deprax , Desirel, Molipaxin, Thombran, Trazorel, Trialodine, Trittico, Mesyrel										
trazodone										

Serotonin–norepinephrine reuptake inhibitors (SNRIs)		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
effexor	Venlafaxine									*
	+			*						*
	+			-						*
	+								-	*
	+		+	+	-	+			-	
	+					+				
	+			+						*

Selective Serotonin Reuptake Inhibitors (SSRIs)		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
paroxetine	Aropax, Paxil, Seroxat, Sereupin				-					*
	+		+	+	-	15-20 Hz	-	-		*
	+		-	-		+				
escitalopram	Lexapro		-	-						
fluvoxamine	Luvox		+	+	-	15-20 Hz				
fluoxetine	Prozac					-				
	+			+						*
	+			-			=			
	Ssri				-					
	+			+						
sertraline	Zoloft, Lustral					20-30+ Hz				*
	+		+	+		20-30+ Hz				
hyperforin SSRI-like	St John'S Wort			+						

SULFAs		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
sumatriptan	Sumatriptan				+					

Typical Antipsychotics (1st generation)		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxysms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
haloperidol	Haldol									
	+		-		+	-				
	+			-	-					*
	+		-			15-20 Hz				
	+		-	6-8 Hz		12-15 Hz				
	+			-						
	+			-						
	+						-			
	+				8-10 Hz					
	+				8-10 Hz	12-15 Hz				
	+				8-10 Hz	15-20 Hz				
	+		+	+	+	-				
	+			+						*
	+		+	+	-	-				
	+		-						+	
	+								+	
	+					15-20 Hz				
	+						+	-		
	+			+	8-10 Hz					*
	+				+			-		*
fluphenazine	Permitil, Prolixin		-	-	+	-				
	+		-			15-20 Hz				
	+		-			15-20 Hz				
chlorpromazine	Thorazine, Largactil						-			
	+		+	+	-	-				
	+			+						

Tricyclics (TCAs)		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
doxepine	Adapin , Silenor , Sinequan								-	
	+								-	
amitriptyline	Elavil , Tryptizol , Laroxyl , Sarotex , Lentizol								-	
	+								-	
	+		+	+	-	+				
	+			+	-					
	+		+	+	-					
	+			+	10-12 Hz					
imipramine	Tofranil								-	
	+		+	+	-	15-20 Hz				
	+								-	
	+		+	+	-	+				
	+		+	+	-					
	+		+	+	-	+				
	+		+	+	-	15-20 Hz				
	+			+						
	+		+	+						
	Tricyclic		*	*	*	*				
	+									

Thymeretic (Mood-Activating)		Increases/speeds activity		Decreases/slows activity		Alters regional activity as specified in literature		No changes as specified in literature		
Generic Name	Brand Name(s)	Spikes or Paroxisms	Delta (1-4)	Theta (4-8)	Alpha (8-12)	Beta (12-30)	Theta Peak Frequency Change	Alpha Peak Frequency Change	General Change in All Bands	Regional Changes
	Thymeretic (Mood-Activating)				+					
	+				+					