

Past Clinical Studies Chart

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<i>Intervention</i>	<i>Rationale</i>	<i>Study Details</i>	<i>Results</i>
Folate, Betaine	Dietary methyl supplementation	Randomized double blinded placebocontrolled 73 individuals	No clinical improvement although parents reported improvement in children under 5 years old
Folinic Acid	Improve folate levels in CNS	Randomized double blinded placebocontrolled crossover trial 8 individuals	Increased 5-MTHF levels, no clinical change
Creatine	DNA methylation	Randomized double blinded placebocontrolled crossover trial 18 individuals in stage III or IV	11% increase in DNA methylation, no clinical change
Melatonin	Improve sleep disturbances	Open label 10 individuals	Increased total sleep time and efficiency in subjects with worst baselines
L-carnitine	Improve Carnitine deficiency	Randomized double blinded placebocontrolled crossover trial 35 individuals	Improvement in hand apraxia, some measures of well-being in subgroup
Naltrexone	Improve respiratory function	Randomized double blind placebocontrolled crossover trial 25 individuals	Modification of some breathing issues, more rapid decline in 40% on drug
Lamotrigine	Seizure control and dyspraxia	Open pilot study 12 individuals	Well tolerated, better seizure control in 2/3, better behavior in 4/12
Levetiracetam	Seizure control	Open label 8 individuals	Reduced seizure frequency and improved quality of life