BRINGING HOMOCYSTEINE TO LESS THAN 7.0

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HOMOCYSTEINE

- Indicator of inflammation AND loss of synapse support
- Optimal Level: <7.0 umol/L
- Essential Action(s):
 - Bring vitamin B12 (cobalamin) to at least 500pg/ml, but, ideally, to 1500 pg/ml use methyl-cobalamin (B12) to do it.
 - Bring vitamin B9 (folate) to at least 10 ng/ml, but, ideally, to 25 pg/ml – use methyl-folate to do it.
 - Bring vitamin B6 (pyridoxine) to at least 60 mcg/L, but, ideally, to 100 mcg/L – use pyridoxal-5-phosphate (P5P) to do it.

Bredesen, D. The End of Alzheimer's. Avery Publishing: NY, NY, © 2017, pp 115-169.

HOMOCYSTEINE

- Supplementation:
 - Pyridoxal-5-phosphate (P5P) form of B6: 20 50 mg/day
 - Methylcobalamin (methyl-B12): 1000 mcg/day chew it
 - Adenosylcobalamin: 1000 mcg/day
 - Methyl-folate form of folate: start with 0.4 to 0.8 mg/day (and as high as 5 mg/day)
 - Recheck homocysteine (Hcy) in 3 months if still > 6.0, add 500 mg of glycine betaine (trimethyl glycine) in capsule form
 - Recheck Hcy in 3 months if still > 6.0, reduce methionine in the diet, namely, leave off nuts, beef, lamb, cheese, turkey, pork, fish, shellfish, soy, eggs, and dairy (including sheep's and goat's milk)

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If homocysteine is >7, start taking this supplement:



If after three months, homocysteine is not <7, switch to this supplement:



If after three months, homocysteine is not <7, TWO types of vitamin B12 could be taken:

