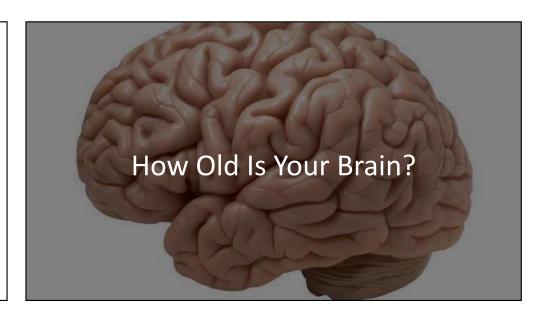
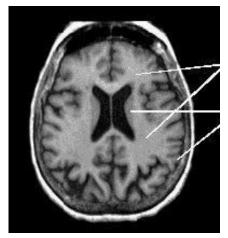


Surprising Things
That Really Make A
Difference?



Brain Age



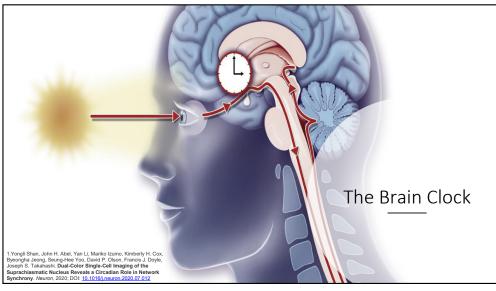
H Cole, S J Ritchie, M E Bastin, M C Valdés Hernández, S Mulfoz Maniega, N Royle, J Corley, A Pattie, S E Harris, Q Zhang, N R Wray, P Redmond, R E Marioni, J M Starr, S R Cox, J M Wardlaw, D J Sharp, I J Deary, Brain age prodicts mortality. Molecular Psychiatry, 2017;

Claudia L. Satizabal, Alexa S. Beiser, Evan Fletcher, Sudha Seshadri, Charles DeCaril. A novel neuroimaging signature for ADRD risk stratification in the community. Alzheimer's & Dementia, 2023; DOI: 10.1002/alz.13600

How Are Sleep and Memory Related?

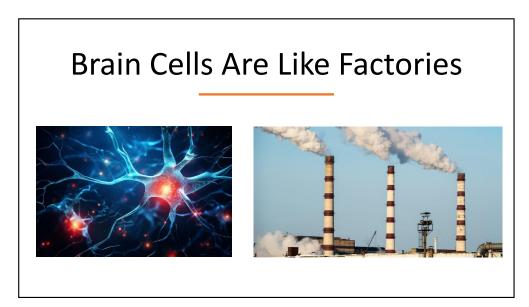
cottage / swiss / cake
cream / skate / water
show / life / row





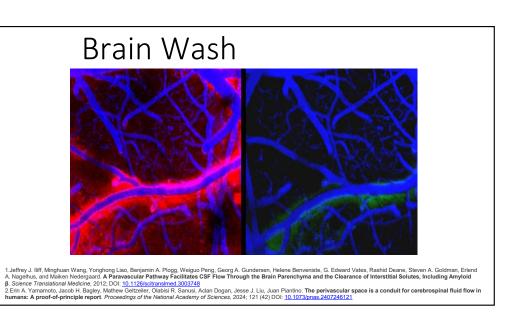


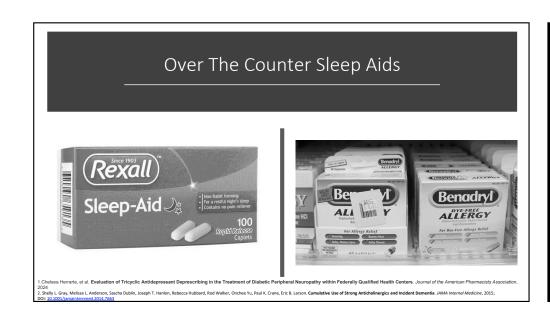


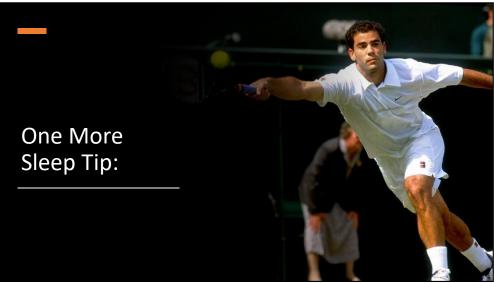


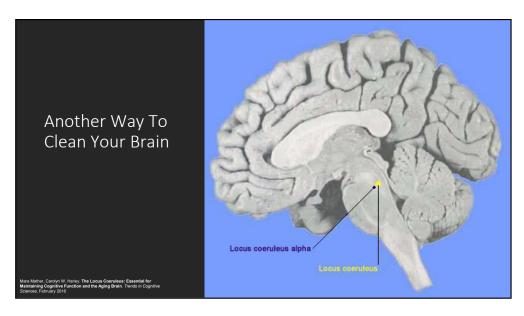




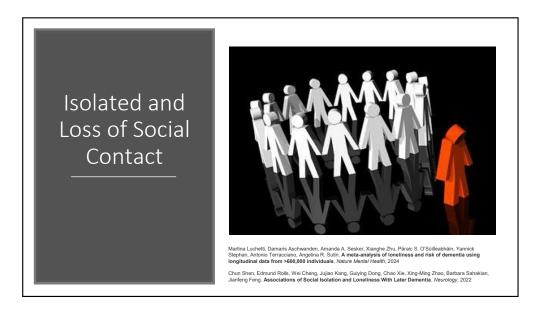




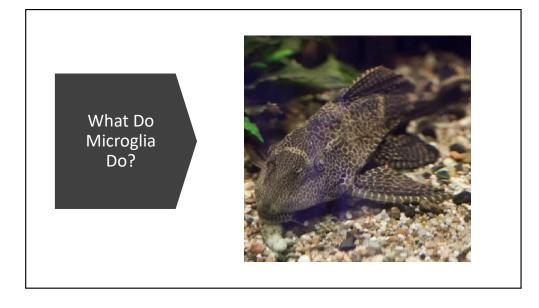




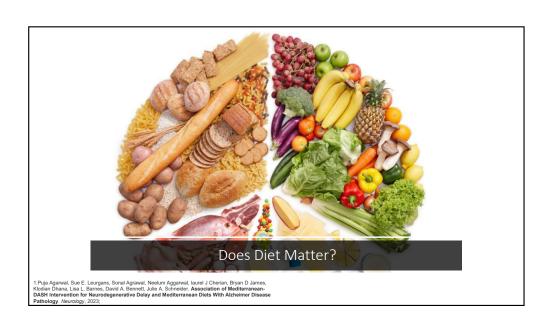








Keep Inflammation Low
 2. Ask your personal doctor about checking inflammation. (CRP markers)
 3. What else?

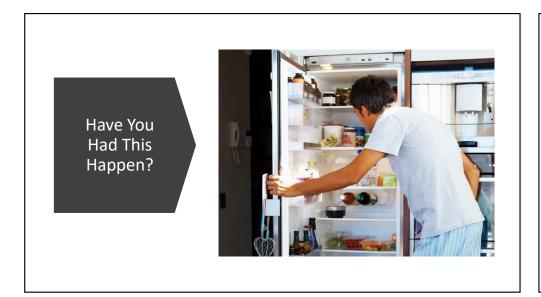


Include These

The Mind Diet

- MIND diet lowered Alzheimer's risk by about 35 percent for people who followed it moderately well.
- Up to 53 percent for those who adhered to it rigorously.

- Green leafy vegetables: every day
- Other vegetables: at least once per day
- Nuts: every day
- Berries: at least twice per week
- . Beans: every other day
- Whole grains: three times per day
- · Fish: at least once per week
- Poultry: at least twice per week
- · Olive oil
- Wine: one glass per day

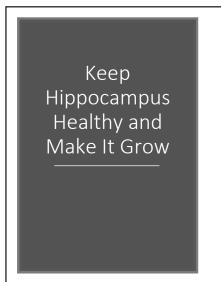


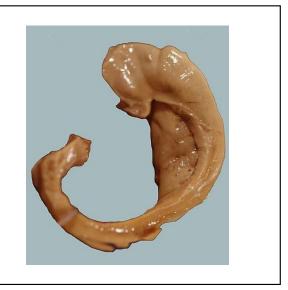
What Does The Hippocampus Do?



What is
Happening to Your
Hippocampus???
————











Nature: A Couple Minutes of Green Time:



The Most
Detailed Study
Ever Done On
The Effect of
Lifestyle on The
Risk of Getting
Dementia

Peter Elwood and a team from the Cochrane Institute of Primary Care and Public Health at Cardiff University in the U.K.

- Researchers followed
 2,235 individuals with
 initial ages between 45 and
 59 years old—for 30 years.
- Reduced their risk for cognitive decline and dementia by a <u>staggering</u> 60%......

Junyeon Won, Kristy A. Nielson, J. Carson Smith. Large-Scale Network Connectivity and Cognitive Function Changes After Exercise Training in Older Adults with Intact Cognition and Mild Cognitive Impairment. Journal of Alzheimer's Disease Reports, 2023



Exercise Is Medicine For The Brain

- Helps blood flow to the brain
- Helps sleep
- Helps balance immune system.
- How much exercise?



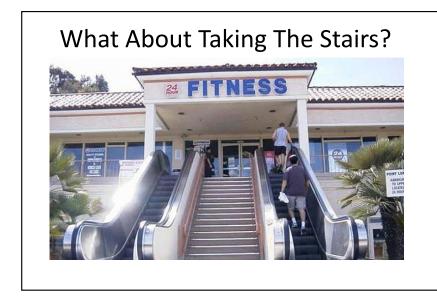
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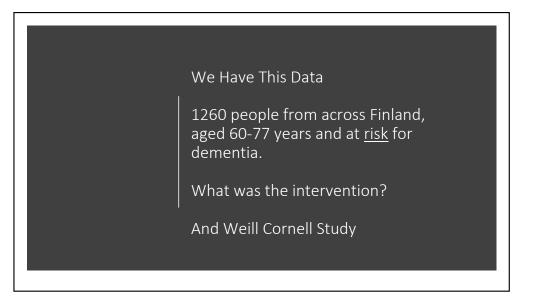
yrus A. Raji, Somayeh Meysami, Sam Hashemi, Saurabh Garg, Nasrin Akbari, Gouda Ahmed, Yosef Gavriel Chodakiewitz, Thanh Duc Nguyen, Kelly ilidis, David A. Merrill, Rajpaul Attariwala. Exercise-Related Physical Activity Relates to Brain Volumes in 10,125 Individuals. Journal of Atzheime











Overall test scores in the intervention group were 25% higher than in the control group. FINGER Intervention Results Processing speed was 150% higher. Processing speed was 150% higher. And Weill Cornell Study just published. | Saacson et al. Abbeiners Demont. 2019 Dec: 15(12):1588-1602. doi: 10.1016/j.jaiz. 2019.08.198. Epub 2019 Oct 31. | Individualized clinical management of patients at risk for Abbeiner's demontal | 1. Tilk Naponda, and A. 2 year multiformin intervention of defic. exercise, copyline fraining, and vascoular risk monitoring versus control to prevent cognitive decitive in st-risk elderly people (FINGER): a randomised controlled trial. The Lancet, 2015, DOI: 10.1016/80140-8736(1580461.5)

