ERRATUM

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Unfortunately, an error occurred at reproducing the abstract,
NUTRITIONAL SUPPLEMENT COMBINATION THERAPY FEASIBILITY, SAFETY AND BIOMARKER CLINICAL TRIAL IN COGNITIVELY NORMAL ADULTS. N.B. Emerson Lombardo¹, L. Volicer³, S.H. Auerbach¹, W. Matson², S. Matson², J. Valla⁴ (1. Neurology, Boston Univ. Sch. Medicine, Boston; 2. Veterans Administration Medical Center, Bedford, MA; 3. A, Univ S Fla, Tampa, United States; 4. Barrow Neuro. Inst., St. Joseph's Hosp. & Med Center, Phoenix, USA)

on page 504. It should have read

NUTRITIONAL SUPPLEMENT COMBINATION THERAPY FEASIBILITY, SAFETY AND BIOMARKER CLINICAL TRIAL IN COGNITIVELY NORMAL ADULTS. N.B. Emerson Lombardo¹, L. Volicer³, S.H. Auerbach¹, W. Matson², S. Matson², J. Valla⁴ (1. Neurology, Boston Univ. Sch. Medicine, Boston; 2. Veterans Administration Medical Center, Bedford, MA; 3. A, Univ S Fla, Tampa, United States; 4. Barrow Neuro. Inst., St. Joseph's Hosp. & Med Center, Phoenix, USA)

Research suggests certain nutrients can slow or postpone cognitive decline. Recent epidemiological studies using established diets (2), found a combination of nutrients may be more powerful than any single class of nutrients. Brain health related evidence was used to design a whole foods Memory Preservation Nutrition (MPN) program emphasizing synergistic contributions of increasing foods with Omega-3s, with anti-oxidant, anti-inflammatory properties, which attenuate insulin resistance and/or improve lipid balance. Poly-nutrient interventions for clinical research on AD were derived from the MPN, including the Memory Preservation Nutrition Supplement Program (MPNSP), and the Nutritional Supplement Combination Therapy (NSCT). Dr. Jon Valla's

Arizona-based team administered the MPNSP incorporated into standard mouse chow, to triply-transgenic mice known to develop features of AD with age and achieved promising results. The objective of the BUSM clinical trial of NSCT is to establish feasibility and safety, and estimate sizes of hypothesized effects (biomarkers) of a similar combination nutritional therapy, preliminary to efficacy trials. The MPNSP consists of a phyto-nutrient powder comprised of 100% organic freeze-dried fruits and vegetables, spices, grains and probiotics; an amalgam of herbs and spices chosen for their reported anti-inflammatory properties; and cod liver oil. The NSCT added to MPNSP a DHA enriched fish oil and 2000 IU of vitamin D. The NSCT study is an open label Phase 1 clinical trial in 25 cognitively normal healthy older adults over an 8 month period including two months for titration to full dosage. Blood & urine specimens, blood pressure, BMI measurements and FFQs will be taken at baseline, 5 and 8 months. Outcome biomarkers include: inflammation (C-RP, IL-6), blood glucose (HbA1c), lipids, oxidative stress (8OH2dG in urine), homocysteine, CoQ10, creatine and creatinine, neurotransmitters tryptophan and tyrosine, and metabolomic profiles in plasma. For adherence & bioavailability: vit Bs, Vit D, Vit E, Vit K, fatty acids & beta-carotene. Study started Spring 2010. Combination nutritional interventions for brain and body health are promising and may yield significant knowledge. This work is supported by the national Alzheimer's Association, Boston University Alzheimer's Disease Center, and Dr. Nancy Emerson Lombardo. References: 1. Scarmeas, N. et al. JAMA. 2009; 302: 627-637. 2. Wengreen, H.J., et.al. Neurology Today 2009; 9(18); 20; 3. Emerson Lombardo, N.B. et al. Research and Practice in Alzheimer's Disease and Cognitive Decline 2006; 9; 138-59; 4. Emerson Lombardo N.B. et al. J Nutri Health & Aging 2006; 10; 211. More complete references for 3, 4: (3) Emerson Lombardo, NB. Volicer L. Martin A, Wu B. Zhang XW.(2006) Memory preservation diet™ ©2005 to Reduce Risk and Slow Progression of Alzheimer's Disease (AD). in Vellas B, Grundman M, Feldman H, Fitten LJ, Winblad B, editors, Research and Practice in Alzheimer's Disease and Cognitive Decline, vol 9: 138-59. (4) Emerson Lombardo NB. Martin A. Volicer L. Mandell A. Zhang XW. (2006) J Nutri Health & Aging 10(3). Disclosure of Interest: N. Emerson Lombardo, HealthCare Insights, LLC & MPN, owner

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