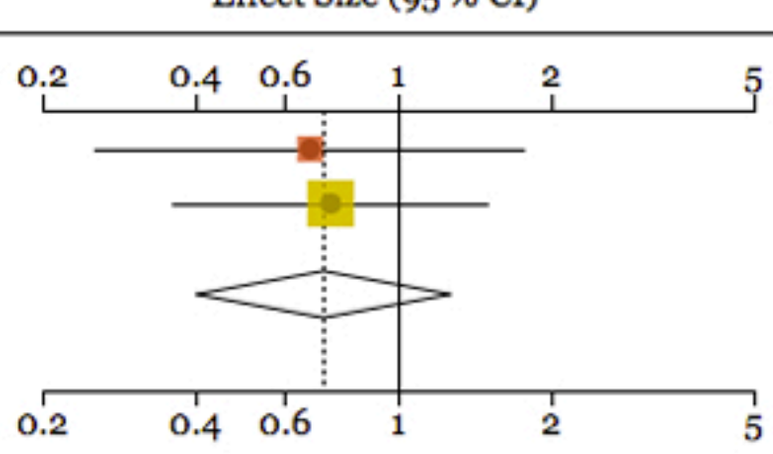
ALZBIOMARKER

Alzheimer's Disease vs Control: neurogranin (Plasma)

Meta-analysis Results: Levels of neurogranin in the plasma did not differ between people with Alzheimer's disease and controls (effect size = 0.714, p = 0.253). The meta-analysis includes two eligible studies. Neurogranin is a post-synaptic protein that is also found in the periphery.

ELISA | Electrochemiluminescence

Study	Effect Size (95 % CI)	AD	CTRL	Effect Size	Lower CI	Upper CI	% Weight
De Vos, 2015		20	29	0.672	0.253	1.786	34.82
Kvartsberg, 2015		25	20	0.738	0.361	1.507	65.18
All Studies		**45**	**49**	**0.714**	**0.401**	**1.271**	**100**
p=0.253							



How to interpret a forest plot: *Each individual effect size (ES) is a ratio of the mean biomarker level in one condition over the mean level in another condition. An ES equal to 1 means that the two conditions had identical mean values. An ES > 1 indicates higher levels in the first condition, whereas an ES < 1 indicates lower levels in the first condition. The overall ES, indicated by a black diamond, is a weighted average of the individual effect sizes. The weight of each data point was determined by the inverse of the variance and is reflected in the size of each square. The width of the overall ES diamond is determined by the 95 percent confidence interval. Data out of range of the scale, including ES and confidence intervals, are indicated by an arrowhead at the edge of the plot, when applicable.*