# Top-Line CSF Biomarker Outcomes From The Phase 2 Clinical Trial SHINE In Alzheimer's Patients

Valentina Di Caro, PhD<sup>1</sup>, Eunah Cho, PhD<sup>1</sup>, Nicole Knezovich<sup>1</sup>, Kaj Blennow, MD, PhD<sup>2</sup>, Henrik Zetterberg, MD, PhD<sup>2</sup>, Charlotte Teunissen, PhD<sup>3</sup>, Michael Grundman, MD, MPH<sup>4</sup>, Anthony O. Caggiano, MD, PhD<sup>1</sup> and <u>Mary E. Hamby, PhD<sup>1</sup></u>

<sup>1</sup> Cognition Therapeutics, Pittsburgh, PA, USA, <sup>2</sup> Department of Psychiatry and Neurochemistry, University of Gothenburg, <sup>3</sup> Department of Laboratory Medicine, VUmc, Amsterdam, The Netherlands, <sup>4</sup> Global R&D Partners, LLC, San Diego, CA, USA

## Treatment with CT1812 resulted in reductions in CSF neurofilament light chain (NfL) consistent with slowing neurodegeneration in mild-to-moderate AD

- with Lewy bodies (DLB)
- beta oligomers to their targets on neurons<sup>1,2</sup>
- were assessed to determine treatment effects with CT1812



	CT1812			
	100mg (N=51)	300 mg (N=50)	Placebo (N=49)	
Age - years				
Mean (SD)	72.4 (6.96)	74.1 (7.20)	71.6 (8.06)	
Min, Max	53, 81	57, 85	51, 85	
Female sex - n (%)	34 (66.7%)	28 (56.0%)	28 (57.1%)	
Ethnicity - n (%)				
Hispanic or Latino	4 (7.8%)	6 (12.0%)	1 (2.0%)	
Not Hispanic or Latino	47(92.2%)	43 (86.0%)	48 (98.0%)	
Not reported	0	1 (2.0%)	0	
Race – n (%)				
Black or African-American	0	1 (2.0%)	2 (4.1%)	
Native Hawaiian or Other Pacific Islander	1 (2.0%)	0	0	
White	50 (98.0%)	48 (96.0%)	46 (93.9%)	
More than One Race	0	1 (2.0%)	1 (2.0%)	
Asian, American Indian, Alaska Native, Other	0	0	0	
MMSE				
Mean (SD)	21.5 (3.38)	20.8 (3.48)	21.8 (3.03)	
Min, Max	17.0, 29.0	13.0, 27.0	17.0, 29.0	
ApoE status – n (%)				
ApoE4 Pos. (homo/hetero)	30 (58.8%)	30 (60.0%)	31 (63.3%)	
Education level				
Grades through 11 – no. (%)	7 (13.7%)	8 (16.0%)	7 (14.3%)	





3. Cut-offs from Clinical Neurochemistry Lab at Sahlgrenska University Hospital in Gothenburg, Sweden or study protocol





